

\$2.95

IN CANADA
\$3.95

300 YARD TACK-DRIVING HANDGUN!

AMERICAN

MAY/JUNE 1990

HANDGUNNER

HANDGUNNER

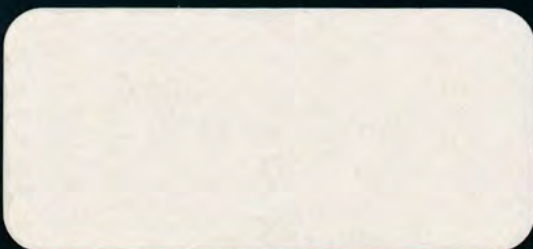
67522 T&E

Hot, Hot, Hot!

SIZZLING

**.38 SUPER
COMBAT PISTOL**

Fire In The Hole!





Galco

INTERNATIONAL™

MODEL **BIG GAME**™



MODEL **MIAMI CLASSIC**™

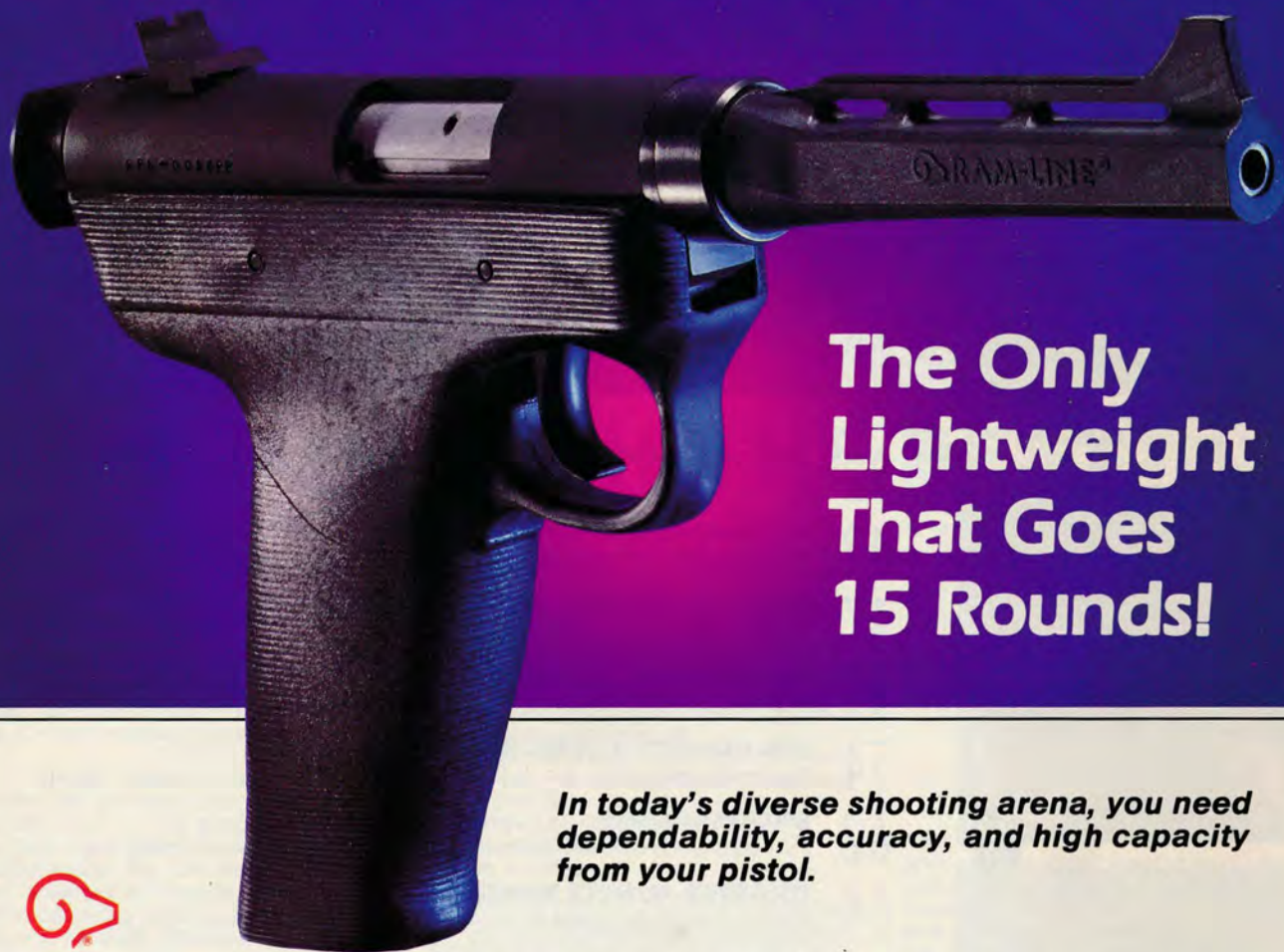


MODEL **EXECUTIVE**™



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

Punch Power



The Only
Lightweight
That Goes
15 Rounds!

In today's diverse shooting arena, you need dependability, accuracy, and high capacity from your pistol.



Only Ram-Line's® **Syn-Tech™** .22 caliber pistol delivers it all in a tidy 20 ounce package. Engineered from the ground up, the **Syn-Tech™** pistol combines special polymers, steel, and aluminum alloy, to provide strength, durability, and unmatched balance. The design is based around several Ram-Line® patented innovations*, and the latest in computer and aerospace technology.

The "dynamic" grip is easy to hold, and feels natural in your hand. The unique **constant force sear** gives you the feel of a target grade trigger right out of the box. The Ultralight 5½" barrel* is damped by the polymer to yield unexpected accuracy.

The 15 round magazine give's continued shooting enjoyment. This unique Ram-Line magazine makes reloading a pleasure - **NO MORE THUMBUSTING** as with the "Heavyweights." With the magazine's **patented** constant force spring*, the last round is as easy to load as the first.

The **Syn-Tech™** pistol was designed with safety and X-ray detectability in mind. A double motion of the safety is required to put the pistol in the "fire" mode. This is easily accomplished on the **Syn-Tech™** pistol by a natural down and forward motion of the thumb, without breaking your grip. In the safe position, the hammer, trigger, and sear are all blocked, and the trigger is disconnected from the sear.

Cleaning and disassembly are quick by simply removing the hex screw and lifting the receiver from the grip. The bolt stop pin and bolt slide are then free of the receiver and you're ready to clean up. Reassembly is quick and certain.

The Ram-Line® **Syn-Tech™** .22 pistol comes in a custom molded carrying case complete with target.

So when it comes time to punch paper, cans, or varmints, rely on the Ram-Line® Syn-Tech™ pistol. \$199.97

Made in U.S.A.



Suite 12R50, 15611 West 6th Ave.
Golden, CO 80401
1-800-888-0375

*Patent #4,509,283,
#4,769,938



Jim Boland's incredible custom Colt Lightweight Commander in .38 Super, a "steel sensation." Photo by Ichiro Nagata.



54



62



64

AMERICAN HANDGUNNER

MAY/JUNE 1990

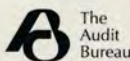
Volume 14, Number 81

FEATURES

- 16 **THE AYOOB FILES,** *Massad Ayoob*
Taxicab shoot-out! A cabbie with a .45 auto fights back!
- 24 **THE FBI'S NEW 10mm LITE,** *Walter Walsh*
An inside look at the controversial new FBI 10mm pistol test.
- 32 **PISTOLSMITH PROFILE: JIM GARTHWAITE,** *Dave Anderson*
Meet one of the hottest new talents in custom pistolsmithing today.
- 42 **HANDGUNNING HINTS,** *Bennett Viken and Robin Sutton*
An instructive look at shooting positions and shooter stability.
- 47 **SMITH & WESSON .22 MASTERPIECE,** *Charles E. Petty*
A K-22 Masterpiece gets a whole new look.
- 52 **CUSTOM GUN GIVEAWAY**
Hamilton Bowen's .45 Colt conversion of a Ruger Redhawk— pure classic.
- 54 **JIM BOLAND'S STEEL SENSATION,** *Cameron Hopkins*
An utterly unbelievable custom Colt .38 Super.
- 62 **BUCKMASTERS!** *Massad Ayoob*
Win \$25,000 in this unusual competition that simulates deer hunting.
- 64 **QUARTER-MINUTE HANDGUN,** *Tim Johnson*
Remarkable groups of less than an inch at 300 yards! From a handgun!
- 84 **TAFFIN TESTS,** *John Taffin*
High performance favorite loads for the .41 Action Express.

COLUMNS

- | | | | |
|----|-------------------------|-----|---------------------------|
| 8 | SPEAK OUT | 28 | PISTOLSMITHING |
| | | | John Lawson |
| 14 | GUN LEGISLATION | 30 | SILUETAS |
| | Richard E. Gardiner | | John Taffin |
| 18 | HANDGUN HUNTING | 34 | INSIGHTS INTO IPSC |
| | J. D. Jones | | Dave Anderson |
| 22 | COP TALK | 44 | HANDLOADING |
| | Massad Ayoob | | Frank W. James |
| 26 | LEATHAM'S COLUMN | 110 | INDUSTRY INSIDER |
| | Rob Leatham | | 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. 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© 1990 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 Kristine Dupre, 591 Camino de la Reina, #200, San Diego, CA 92108 or call (619) 297-8032.

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



PACT MKIII
\$279.00

TRAIN WITH THE BEST

The \$64.00 question

What do shooters like **Rob Letham, Jerry Barnhart, John Pride, Charles Grabbatin, Brian Enos and Chip McCormick** 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 do I need a timer?

Whether you are training for competition or self defense; 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 timer, you have no accurate measurement of your speed and no way to tell if a given technique is helping or hindering your progress.

Of course shooting timers, like guns, are **not created equal**. A well designed shooting timer is an invaluable training aid which will dramatically improve your practice sessions. A poorly designed timer, with functions that are inconvenient or difficult to use, becomes nothing more than an expensive buzz box that distracts you from your shooting each time you use it.



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.

Full function keypad

Our 32 character display and 16 key keypad make the MKIII about as easy to use as your pocket calculator. For example to

enter a "PAR TIME" of four seconds, simply push "PAR." the **MKIII will ask you to "ENTER PAR TIME AND PRESS SET"** so you push "4," "SET." Want to change it to six seconds? Push "PAR," "6," "SET," it's that simple!

A few of our features

- A buzzer that's **loud** enough to hear with your earphones on
- **Sensitivity** of shot detector is adjustable
- Instant **GO** or **adjustable** fixed or random delay
- **999.99** second time limit
- Automatic **Comstock** function
- **Lap** function

Order Today

TOLL FREE...800 PACT INC
(in Texas 214-641-0049)

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

PACT MKIII.....\$279
CHRONO-MOD with M5 Skyscreens
(optional) \$69.95
M5 Skyscreen Mounting Bracket
(optional but nice).....\$24.95
Battery Powered Printer.....\$125
Extra Printer Paper (6 rolls).....\$12
Extra Skyscreens. \$25 each \$45 pair

*Shipping & Insurance \$5.50 UPS ground/\$10 UPS 2nd day air. Extra shipping for bracket (separate package) \$3 ground/\$6 2nd day air. Bank service charge for VISA/MC. COD fee \$2.50. Write or call for foreign rates. Texas residents add appropriate sales tax.

Brochure Available covering the PACT product line of shooting timers and chronographs, \$1.00.

PACT

P. O. Box 531525
Grand Prairie, TX 75053

- **9 Volt** battery
- 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.
- Drives optional battery powered **printer**

\$69.95 Chronograph

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

By having the \$69.95 CHRONO-MOD (skyscreens included) installed in your MKIII, you 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 and includes our new Glint Guard™ pat. pend. detection circuitry. In addition the MKIII will automatically calculate the **power factor** of each round fired.

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 will 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 will fix it for cost. No hassles and no questions asked.

Shop Around & Call Us Last

Before you buy a shooting timer take the time to do a little research. Call the different manufacturers and get their literature. Compare each timer feature for feature and watch out for bizarre operational limitations, like the inability to review shots when using a PAR time or the requirement for two machines to run a Man vs Man event. You'll find that dollar for dollar and feature for feature the PACT MKIII gives you more honest "bang for the buck" than **any other** shooting timer on the market.



BIANCHI

SHARE THE ADVENTURE

Wherever you find yourself, it's comforting to find Bianchi's Sting by your side. The Sting. Lightweight concealment in soft padded glove leather with a new smooth-releasing spring action. All in Bianchi's classic ambidextrous design.

For over 30 years, Bianchi International has crafted holsters for professionals. People who rely on quality as if their lives depend on it.

When you're ready to make your move, make it with Bianchi. It's more than just a name. It's the choice of professionals the world over.



Get your current, full-color Bianchi Catalog by sending \$3 to Bianchi International, or get one FREE from your nearest authorized dealer — over 3,000 worldwide.

Bianchi International 100 CalleCortez, Dept. AH Temecula, CA 92390
Toll-Free (800) 854-8545, In California Toll-Free (800) 826-8192, In Hawaii and Alaska (714) 676-5621
TLX 288553 BNCI UR

AMERICAN HANDGUNNER

GEORGE E. von ROSEN
PUBLISHER

CAMERON HOPKINS
EDITOR

JOHN HART
GRAPHIC DESIGN

RENEE NUKALA
ADVERTISING PRODUCTION

CASEY CLIFFORD
ADVERTISING SALES

JEROME RAKUSAN
EDITORIAL DIRECTOR EMERITUS

CONTRIBUTING EDITORS

ICHIRO NAGATA
PHOTOGRAPHY EDITOR

NYLE LEATHAM
PHOTOGRAPHY EDITOR

JOHN TAFFIN
FIELD EDITOR

MASSAD AYOOB
LAW ENFORCEMENT EDITOR

FRANK JAMES
HANDLOADING EDITOR

DAVE ANDERSON
PRACTICAL SHOOTING EDITOR

J.D. JONES
HUNTING EDITOR

WAYNE LAPIERRE
LEGISLATION EDITOR

JOHN LAWSON
PISTOLSMITHING EDITOR

ROB LEATHAM
COMPETITIONS EDITOR

JAMES E. FENDER
SPECIAL PROJECTS EDITOR

WILFRID WARD
EUROPEAN CORRESPONDENT



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

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

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

WHEN AMERICA WAS THERE SO WAS THE THOMPSON

Weight: 12 lbs.
Length: 39"
24-Karat Gold Plating
Caliber: .45 ACP
Edition Limit: 750
Options: 50-round drum



The world's first Commemorative Thompson ever issued to honor the U.S. Army . . .
A firing, presentation-grade semi-automatic. Limited Edition: only 750.



"We must give gratitude to the men who . . . brought us to the honor of independence and peace."

George Washington

The Thompson is a grand old American military legend and one of the—if not the—most famous military firearms in the world. And thanks to its battlefield reliability it has become one of the most beloved, having gained fame in the hands of all our service branches.

As such, it is a time-honored symbol of service in the military and respect for our Armed Forces. For, like many dedicated Americans, the Thompson itself served proudly in World War II, Korea and Vietnam.

Now, The American Historical Foundation is privileged to honor our American Armed Forces by issuing a separate, firing commemorative Thompson in honor of each of the military service branches.

Highly Collectible; First Ever

Of great importance to collectors is that the few previous Thompson Commemorative issued with military themes have sold out. Because the Armed Forces Commemorative Thompsons are the first Thompsons ever issued to specifically honor each of our four Armed Forces, each will be especially sought after by collectors.

The first Thompson in the series honors the U.S. Army. The worldwide edition limit is only 750, your immediate guarantee of rarity and collector value.

An impressive 12 pounds of steel, walnut and gold, the U.S. Army Commemorative Thompson is a beast of a weapon. Unlike most modern firearms, all the major components are actually machined from massive, solid blocks of steel. The fit and finish are presentation grade. The precision-milled receiver is highly polished to highlight the engraved and gold-gilt inlaid commemorative inscriptions, including the famous

Thompson "bullet" trademark.

24-Karat Gold Plating

Sight across the 24-Karat Gold plated rear sight, through the slot in the gold-plated actuator knob and over the 35 deep cooling fins of the highly polished and blued barrel. 24-Karat Gold plating gleams across the mirror-polished Cutts Compensator, front sight and trigger.

The genuine G.I. walnut stocks—hand rubbed with seven coats of lacquer—show off the three fired enamel cloisonne medallions (one on reverse) and the 24-Karat Gold plated sling swivels, swivel mounts and screws which affix the adjustable brown leather military sling.

A Firing Semi-Automatic

This is a firing Thompson, chambered for the same famous, readily available, .45 ACP ammunition that G.I.s and American shooters have used since 1911.

As an added advantage to Veterans and arms collectors, it fires only in the semi-automatic mode (not full automatic). *Anyone who can own a standard hunting rifle can own this Thompson.*

Each is serially numbered between 001 and 750, with the prefix "USA" for U.S. Army. This serial number



Velvet-lined Walnut Display Case for wall mount or flat display. Locking acrylic-glass lid protects your investment from dust and unauthorized handling. (44" x 14" x 4")

is also inscribed on the accompanying Certificate of Authenticity, which attests to the purity of the 24-Karat Gold plating and to the strict edition limit.

Three other Commemorative Thompsons are available, honoring the Marine Corps, Navy and Air Force. Each is built in the United States by the official maker of the Thompson, Auto-Ordnance Corporation.

Satisfaction Guaranteed

This is available exclusively from The American

© AHF

Historical Foundation. Satisfaction is guaranteed or you may return it for a full refund anytime within 30 days. To reserve, call 1-800-368-8080 or 1-804-353-1812, or return the reservation request. With your reservation you will be made a Member of the Foundation.

If you do not have a Federal Firearms License, we will coordinate delivery through your local firearms dealer, after your reservation is received here. If you have an FFL, send a signed copy, and delivery will be made directly to you.

This is an important—and rare—symbol of your pride in our Armed Forces. Due to the low edition limit, prompt response is suggested.

RESERVATION

Please respond by 30 June 1990

Satisfaction Guaranteed or Return in 30 days for a Full Refund.

To: The American Historical Foundation
1142 West Grace Street, Dept. H106
Richmond, Virginia 23220
Telephone: (804) 353-1812
TOLL FREE: (800) 368-8080



Yes, I wish to reserve the following firing Armed Forces Commemorative Thompson(s), with 24-Karat Gold plating, a 20-round magazine and a leather sling. I will also receive a Certificate of Authenticity and membership in the Foundation. Satisfaction guaranteed.

Entire Series Army Navy
 Marine Corps Air Force

My deposit (or credit card authorization) of \$95 per Thompson is enclosed.

Please charge or invoice the balance due. . .
 in ten monthly payments of \$180. in full.

My payment in full is enclosed (\$1895 per Thompson; Display Case add \$225 each, 50-round drum add \$139 each).

I wish to also reserve _____ 50-round drum(s), at \$139 each. Available only with the purchase of a Thompson.

Please also send the optional Walnut Display Case, at \$225 for each Thompson reserved.

Name

Address

Daytime Telephone Number (.....)
For Visa, MasterCard or American Express, please send account number, expiration date and signature. Virginia residents please add 4.5% tax.

H106

Flic Of The Vic

I'm writing to commend Pete Vicroy and entire staff of Vic International for all their help and expertise in creating what I think is the best comp I've ever tried.

Before buying a comp, I did a lot of research and eventually decided on the Vic Classic. I called Vic and found myself talking to none other than Pete Vicroy, the president. I explained to him what I was looking for and the price range. He explained how his comp worked and all the particulars.

Well, off went my gun to a small town in Ohio where Vic is located. Two days later I got a call from Pete's wife Laurel who informed me that my gun had arrived.

As the time passed I was getting anxious to get my gun, but finally it arrived and I was very please with the work. No tooling marks, bluing matched mine, all very well fitted. I took it to the range and found it even better!

Thanks, Pete and all the staff at Vic International! Keep up the good work!

Peter J. Baxer
Nashville, Tenn.

Airbrushed Nipple

I would like to address an issue of sexual discrimination you seem to be practicing more frequently. Being a woman reader, I am over-whelmed by your sexist match coverage, advertisement and editorials.

Coverage of the 1988 IPSC Nationals addressed the women competitors there as "Amazonians" outweighing their male counterparts by at least 40 pounds. I was not amused.

Once again in your November issue, you demonstrated your distasteful judgement by allowing the advertisement in which a woman in a tuxedo jacket with short-shorts was scantily holding a product. You or someone else had to have airbrushed over this woman's nipple because they just don't grow on the side of the breast, which is all that was showing.

What consumer is going to go out and purchase this product because a half-dressed bimbo is pictured in an ad who probably doesn't know the muzzle from the grip?

Last, but certainly not least, there was the sex kitten in the *Pistolsmithing* col-

umn in your January issue. Although the article was amusing, you have to realize how detrimental this can be to our cause as pro-gunners.

You seem to isolating your magazine toward the exclusive audience of men. What's next, a brown paper cover? If so, let it be known. But in the meanwhile, don't try to sell me gun news between the lapels of half dressed women.

Suzan Cooper
Vinton, Va.

Praise The Lord And Pass The Ammunition

I just received your handgun magazine. I sure like getting it. It's a nice book.

I am a holiness preacher and I believe in guns. No country ever won a war simply by the military, no way.

That's why I think everyone is entitled to a gun or whatever they want. Handle the criminal, not the gun.

Don Paytes
Loveland, Ohio

P.S. The constitution was written to protect government and also the citizen.

Revolver Man Fires Back

Upon reading the *Handgun Hunting* column by J.D. Jones in the March/April issue, I felt compelled to respond to some of his remarks, especially those concerning the use of revolvers and iron sighted pistols for hunting.

I build and use revolvers almost exclusively, including the heavy .475 and .500 Magnums, and I have to confess that I favor these guns to the scoped single-shots. Revolvers may not be as effective as these guns, but the question of "effectiveness" hinges upon how you define it and the value you place upon it.

Once the question of power is resolved—that which is adequate for the task at hand—then effectiveness does not necessarily become a function of range or precision. "Effectiveness" is a concept best applied to grenades and machine-guns, not sporting arms.

In handgun hunting, it is more a question of sportsmanship. Sportsmanship, in turn, is established by the hunter himself. If a revolver hunter using only iron sights stalks within range (whatever that might be) to humanely take the game, he has done what sportsmanship requires.

There is no doubt that scoped guns and single-shot pistols increase your chances of bagging game, but killing is not the only object of hunting. By J.D.'s definition of "effectiveness," we would all use a .378 Weatherby rifle with a 12x scope!

But for many of us, the guns that we like are inextricably intertwined with our hunting experiences. I like the classic, elegant simplicity of fine revolvers. Free from cumbersome scopes and long, unwieldy

Continued on page 12

14-SHOT .45 ACP FIREPOWER

From the Innovators at Para-Ordnance.



See your local dealer today.

The F14-45 is the first .45 frame assembly to offer what you've always wanted: 14-shot capacity. Interchangeable with all 1911A1, Series 70, 80 and Commander Models, the F14-45 is precision machined to original specs. and requires no gunsmithing with original parts.

F14-45 FEATURES:

- 13-Round Staggered Magazine with Removable Floorplate
- Rugged (Heat Treated, Hard Anodized) Aircraft Grade Alloy Frame Gives You Identical Weight Fully Loaded as 1911A1
- Only 1/8" Wider Frame w/Contoured Grips
- Silent Magazine Release
- Grooved Match Trigger Assembly
- Recoil Spring w/Guide Buffer

Para-Ordnance

3411 McNicoll Avenue
Scarborough, Ontario M1V 2V6

Competition Electronic's family of ProTimers and ProTachs is right on target for performance and price.



ProTimer III™

- Easy operation. Just turn it on and start shooting for most common operation modes.
- 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 on top of unit provide convenient viewing/operation.
- Features low-frequency buzzer or optional high-frequency buzzer.
- Lightweight custom-molded housing with clear dust cover top seals out contamination.
- Coupling jack for man-on-man or remote start.
- Powered by 9-volt alkaline battery in easy access compartment.

All this performance for only \$225.00.

ProTach™ Chronograph

- Portable easy to set-up on table or standard camera tripod. 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 LCD display for positive viewing from firing position. Display includes low battery indicator.

- Diffuser hoods included to assist built-in skyscreens on bright days.
- Powered by 9-volt alkaline battery.
- Optional remote control allows resetting for number of shots and average velocity from up to 20 ft.

Now only \$129.95.



ProTach™ CLASSIC Chronograph

- The classic down-range sensor features full-function readout at shooting position.
- Easy set-up and operation for indoor/outdoor use. Pre-assembled sensors mount on standard camera tripod.
- Displays high and low velocities, extreme spread, standard deviation, average velocity, shot number and average shot velocities.
- 75 to 4500 fps velocity range with accuracy to within 1/2%.
- Memory stores up to 24 shots, calculates up to 211 shots.
- Edit function allows removal of unwanted velocities from shot string.

- True, standard deviation.
- Large LCD display with low battery indicator.
- Powered by 9-volt alkaline battery.
- Diffuser hoods included for bright days.

Complete, ready-to-use at just \$189.95.



ProTNT™

- All the outstanding features of our ProTimer III and ProTach CLASSIC combined in one economical unit.
 - It's your best value for the ultimate in precision, reliable performance.
- Only \$325.00.

All of our products feature...

- 30 day money-back guarantee
- One year limited warranty
- 5 day turnaround service policy

ORDER NOW!

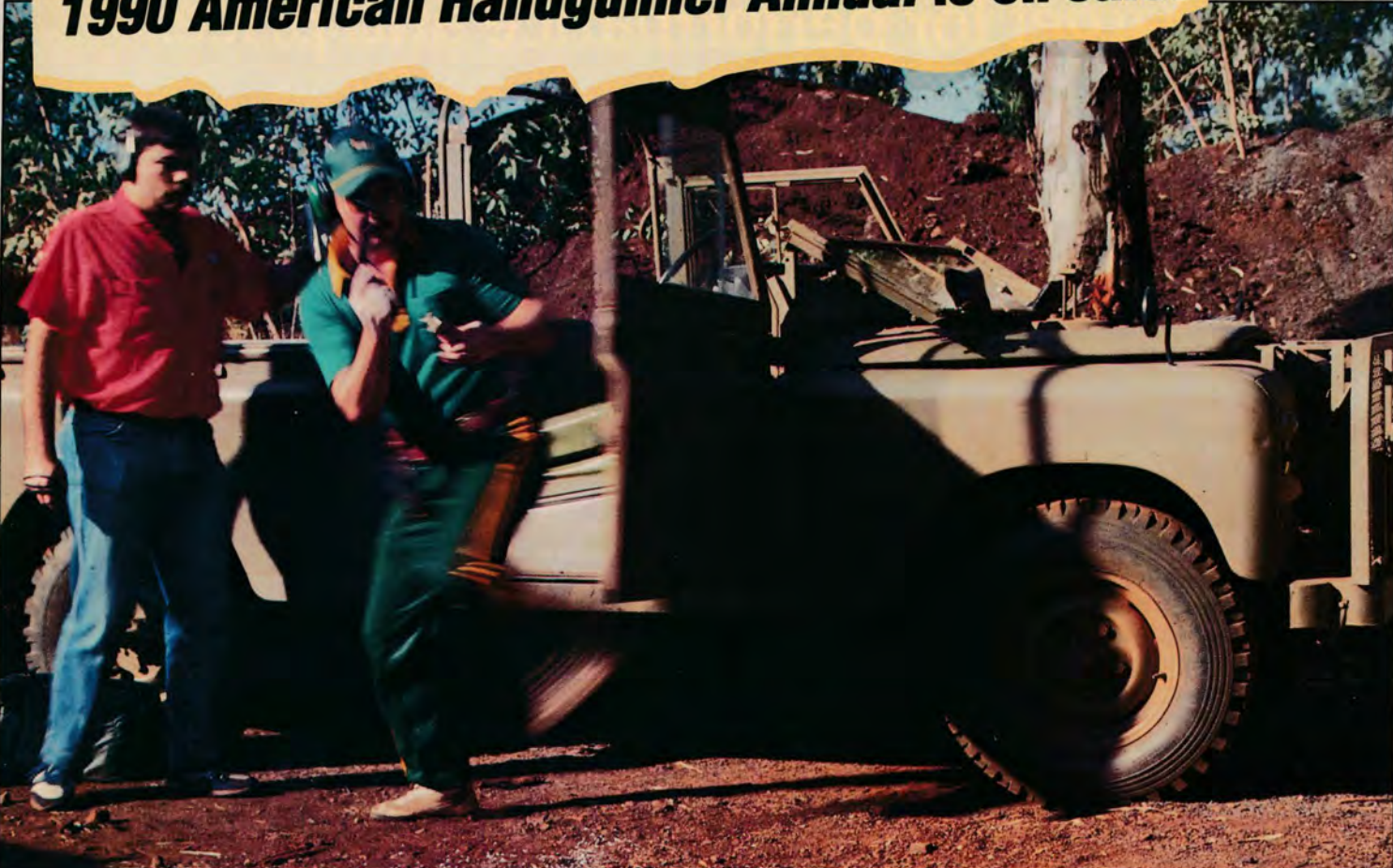
Call Toll-Free 1-800-222-3845.
 Visa, MasterCard and COD accepted.
 Illinois residents add 6-1/4% sales tax. Add \$4.50 for shipping and handling. Certified check or money order by mail.



Competition Electronics, Inc.

2542 Point O' Woods Rockford, IL 61111

"Handgunners" seen jumping out of cars and running to newsstands when hearing 1990 American Handgunner Annual is on sale.



A special deal that's making a lot of shooters happy.

Order two copies of the **1990 American Handgunner Annual**, one for you and one for a friend, and save \$2. **Two Annuals for only \$11.90**



But you don't have to go anywhere to get your copy.

It's no wonder shooters everywhere are rushing to get the **1990 American Handgunner Annual**. Inside are NEW stories and EXCLUSIVE features that can't be found anywhere else. Here's a sample of what's inside:

- **IPSC shooting** - Tips from the pros like champion Rob Leatham.
- A look at **Smith & Wesson's 45-16**, **Century Arms' .50-70** and **Springfield Armory's P-9**.
- **American Handgunner's** exclusive **Club 100 Pistolsmith** directory and **BONUS catalog** directory.

The **1990 American Handgunner Annual** can be in your hands in no time. **Order your copy today!**

YES! Rush my copy(s) of the **1990 American Handgunner Annual**.

1 copy at \$6.95 2 copies for \$11.90 Check/MO enclosed
 Bill my MC/Visa No. _____ Initial _____

Name _____
 Address _____
 City _____
 State _____ Zip _____

CA residents add 7.25% sales tax

Send to:
 American Handgunner
 591 Camino de la Reina, #200
 San Diego, CA 92108

FIREBIRD

A ring with a rugged heritage.



Enlarged to show detail.

Firebird, the mythical spirit of power and strength. Majestic sovereign of the skies. Artfully re-created by Ben Nighthorse, award-winning designer of American Indian jewelry. And crafted in genuine native American materials. Solid sterling silver set with bold turquoise.

Authentic art from the rugged Southwest...to wear anytime...anywhere.

Priced at \$275. Only from The Franklin Mint.

Sterling Silver and Turquoise. A Ring by Ben Nighthorse.

The Franklin Mint
Special Order Dept. • Franklin Center, PA 19091
Send me Firebird, the sterling silver and turquoise man's ring by Ben Nighthorse.

No payment is required now. Bill me in five equal monthly installments of \$55.* each, with the first payment due prior to shipment.

**Plus my state sales tax and a total of \$3. for shipping and handling.*

SIGNATURE _____

ALL ORDERS ARE SUBJECT TO ACCEPTANCE.



Solid sterling silver set with bold turquoise.

Please mail by June 30, 1990.

MR/MRS/MISS _____

PLEASE PRINT CLEARLY.

ADDRESS _____

CITY _____

STATE/ZIP _____

12860-35

To assure a proper fit, a ring sizer will be sent to you prior to shipment of your ring. Correct fit is guaranteed. If the ring does not fit when you receive it, you may return it for replacement at our cost.

WHEN IT COMES TO HOLSTERS... WE ARE THE LAW!



On the Street...On Patrol...The DeSantis *TBS* Concealment Holster is the #1 Choice of local, state and federal law enforcement agencies nationwide!

Made in the U.S.A. of 100% leather, this double belt slot holster features a covered trigger guard and is designed to ride high and snug to the body at an angle that makes the weapon readily available.

What's more, the *TBS* is double stitched with bonded nylon cord to insure you a holster of uncompromising strength.

So if finding the best concealment holster is your priority, take the cue from some of America's finest. After all, they know what's good. They have to!

Ask your dealer or send \$2.00 (outside U.S.A., \$5.00) for our full color brochure.

THE ONLY BACK UP YOU NEED



DeSantis Holster & Leather Goods
149 Denton Avenue • Dept. AH-5 / 90 • New Hyde Park, NY 11040
For Fast Service Call: (516) 354-8000

SPEAK OUT

Continued from page 8

barrels, they can be carried unobtrusively in small, tidy hip-holsters, not in clumsy shoulder saddle-bags or on slings.

I cannot use large, clumsy handguns that are unnatural and repugnant to my paw. If the gods had intended that I see well, they would have given me fine, clear 3x vision.

To put things in perspective, J.D. raises legitimate and important questions. He is welcome to his views. However, those of us who don't subscribe to his theories of handgun hunting are not diminished as hunters. Some of us just prefer to hunt our own way with our own guns.

Hamilton S. Bowen
Bowen Classic Arms
Louisville, Tenn.

Gruesome Sport

I am somewhat disappointed in your story (March/April 1990) on the 1989 USPSA National Championships. You painted a gruesome and misleading account of a sport in which thousands of law abiding citizens compete every weekend, not only in this country but across the globe.

As a director of USPSA, I can assure you that very few members are thinking of eye-socket shots or blood letting lung shots.

Yes, IPSC uses a humanoid cardboard target which can be traced back to our founders and their objective of testing *defensive* shooting skills in a realistic scenario. This tradition has been carried on since the beginning and will continue as long as I'm involved in the sport!

Once again you've attacked our Regional Director, Dave Stanford, and his inability to work with the international body (of IPSC) and president J.P. Denis. I will be the first to admit a less than perfect relationship between them, but at a recent USPSA board of directors meeting, Mr. Denis attended and we discussed several issues in hopes of bringing any misunderstanding to an end.

Without a doubt this was one of the most productive and rewarding meetings ever and let me say that in the near future IPSC and USPSA will be closer than ever before.

Marc Halcon
USPSA Area Director
San Diego, Calif.

AMERICAN HANDGUNNER WELCOMES letters to the editor of no more than 350 words. Letters must include the writer's full name and address. Letters must be signed by the writer. Typewritten letters are preferred, but legible handwriting is acceptable. Send your letters to Speak Out, American Handgunner, 591 Camino de la Reina, Suite 200, San Diego, CA 92108.

THE NATIONAL WILDLIFE FEDERATION PRESENTS

LORD OF THE ICE

The majestic polar bear dramatically portrayed in hand-painted porcelain. Poised on a glacier of sparkling full-lead crystal.



Shown smaller than actual size of 10" in height.

The Polar Bear. Huge. Majestic. Mighty titan of the Arctic. Bristling with life and the spirit of adventure, the undisputed ruler of the frozen wilderness comes to life in rich bisque porcelain. A riveting portrayal by acclaimed wildlife artist D. J. Shinn. Carefully hand-painted to reveal the mighty bear's luxuriant coat and ferocious expression. And fired to fix every natural color.

Striding boldly across an icy precipice of full-lead crystal. Fire-polished to glisten and sparkle as dramatically as Arctic ice. Priced at just \$225, payable in convenient monthly installments.



Please mail by June 30, 1990.

National Wildlife Federation
c/o The Franklin Mint
Franklin Center, PA 19091

Please accept my order for LORD OF THE ICE, an imported sculpture to be handcrafted in fine hand-painted porcelain and full-lead crystal.

I need send no payment now. I will be billed in 5 monthly installments of \$45.* each, beginning when my sculpture is ready to be sent to me.

**Plus my state sales tax and a total of \$3. for shipping and handling.*

SIGNATURE _____ ALL ORDERS ARE SUBJECT TO ACCEPTANCE.

NAME _____ PLEASE PRINT CLEARLY.

ADDRESS _____

CITY/STATE/ZIP _____

© 1990 FM

12200-57

ANTI-GUNNERS WAGE PROPAGANDA WAR TO BRAINWASH OUR CHILDREN

A new tactic being utilized by anti-gun forces is an assault on the sensibilities of our children.

Recent "education programs" devised by firearms foes amount to little more than brainwashing. They seek to implant a fear of firearms—guns are portrayed as inherently evil.

Anti-gunners piously proclaim that this psychological warfare was originated in the interest of safety. In fact it was designed to produce an entire generation programmed to look upon firearms with distaste.

The motive, of course, is political. Anti-gunners have experienced years of failure in their effort to bring about outright firearms prohibition. Now they want to build a future political base by invading the minds of our young people.

It's a morally disgusting way to do business, and the end results could be ominous unless we counter with the truth and do it now.

The NRA Truth

And what is the truth? Anti-gunners never mention that during the past 20 years, accidental firearms fatalities have been reduced by 52%, in large part due to non-political firearms safety training efforts by organizations like the NRA.

Non-fatal firearms accidents have also experienced a dramatic decline. In fact statistics show that it's far safer for a young person to participate in competitive shooting than to engage in sports like baseball, basketball, and football.

Hunter safety training is now available across the nation, and some 700,000 youth are certified every year. Our opponents never mention this fact, nor do they

mention that the original hunter safety program was devised and implemented in New York State by the NRA. Now let's look at some other current facts about child safety, facts that anti-gun propaganda efforts choose to ignore.

Firearms Facts

In 1988, the latest figures available from the National Safety Council, show that 2,200 infants and toddlers age four and under died in home accidents.

Of these 2,200 tragedies, 800 were caused by fires.

Drownings were responsible for 350 deaths.

An additional 350 fatalities were the result of a variety of factors, including electrocution, explosive materials, hot substances and corrosive liquids.

Choking claimed 250 young lives, while suffocation was the cause of 220 fatalities.

Falls took the lives of 110 of our children, with poisoning responsible for an additional 60 tragedies.

Gases and vapors exacted a toll of 40 toddlers.

At the bottom of the list were 20 accidental deaths brought about by firearms. We at the NRA deplore any accidental death involving guns, especially when a young life and all its potential are lost.

Yet realism compels us to point out that percentage-wise, the number of small children killed in firearms accidents is a far cry from the insidious fabrications we hear from anti-gun forces and in the media.

Youth Education

Still, the death of any youngster is one

too many. That's why the NRA recently introduced a unique firearms safety program aimed at protecting the lives of small children. The program has no political implications, nor does it seek to portray firearms as "good" or "bad."

Instead we have chosen to rely upon education, rather than propaganda, as a workable tool for reducing accidents. Drawing upon the expertise of elementary education specialists and child psychologists, the NRA has developed a program tailored for elementary school children that pushes safety without condemning personal beliefs or infringing upon rights millions of Americans cherish.

The crux of the message to kids is this: If you find a firearm, stop, don't touch, leave the area, tell an adult. Presented in a creative manner children easily grasp, adherence to this simple procedure saves lives.

The training aids include a coloring book, coloring sheets and posters. Right now 350 schools and police departments are implementing this NRA safety effort. The program has been introduced into 11 school districts in 46 states and hailed as a great success.

What You Can Do

More can be done, and must be done, if we are to circumvent the anti-gun "safety" efforts being devised by those who oppose us. You, the American gun owner, can help by contacting your local legislators.

We need key leadership to assist us in placing this program in every school throughout the nation. There is no better way to deal with the issues of gun safety and parental responsibility, and at the same time avert needless tragedies.

Urge your lawmakers to contact the NRA's State & Local Affairs Division at 1600 Rhode Island Avenue, N.Y., Washington, DC 20036 (202) 828-6000 for free safety materials that can be distributed throughout your local and regional school systems.

I would also urge you to contact local teachers, school officials and county, district and state education leaders. Explain that you, as a responsible gun owner, want responsible gun safety education available to area youth. Tell them about our NRA program, and what it's designed to achieve.

We all must be aware that legitimate, workable ways exist for reducing firearms accidents. Let's not let our children's lives be used to achieve the political goals of the anti-gun movement and instead truly keep them safe in the responsible manner we now have at hand.



Richard Gardiner is Director of State and Local Affairs for the NRA's Institute for Legislative Action.

VOLQUARTSEN CUSTOM LTD.



Unique new target package for Ruger target bull barrel or government model .22! Our new machined steel v-comp requires no modifications to your gun. Package includes comp and our popular Volthane grips with thumbrest, finger grooves and heelrest for \$70.00 plus \$2.00 shipping. V-comp sold separately - \$39.50, Volthane grips - \$38.00. Send \$2.00 for complete catalog.

**Volquartsen
Custom Ltd.**

Route 1 Box 271
Carrol, IA 51401
(712) 792-4238
(8:00 am-5:00 pm CST Mon-Fri)
VISA/MASTERCARD ACCEPTED



Belt Pouch Holster

Concealment holsters take an upscale turn with the DeSantis Gunny Sack belt pouch holster. The weapon is securely concealed in an interchangeable holster, and instantly accessible via a tear-a-way release system in this trendy "fanny pack" design.

The Gunny Sack features a separate zipped compartment, adjustable holster retainer straps, and an adjustable waistband. For a full color catalog send \$2 to DeSantis Holster & Leather Goods, Dept. AH, 149 Denton Ave., New Hyde Park, NY 11040.

Omega Maverick Sights

Omega Sales of Mag-Na-Port fame is offering two new sights for improved shooting. Shown here are the Outline rear sight blade and the Maverick Range Finder pistol sight.

Omega's Outline is available with white or gold outline and enables the shooter to quickly pick up this front sight.

Designed for target and silhouette shooters, the Maverick Range Finder Pistol Sight eliminates sight adjustment. Targeting is made when the horizontal bars are aligned with the front sight blade.

Omega sights are available through Omega Sales Inc., Dept. AH, P.O. Box 1066, Mt. Clemens, MI 48043.



Lee Speeds Reloading

By completely eliminating the need to change dies between operations, the new Carbide Speed Die from Lee Precision is the fastest way to reload pistol ammunition in a single station press.

Only the bullet depth and crimp need be adjusted; the other operations are automatically correct. Priced at \$19.98, the Speed Die is sure to go fast.

ALL-NEW Sierra 3rd Edition Reloading Manuals Available NOW!

Sierra Bullets proudly announces its All-New 3rd Edition Reloading Manuals.

These are by far the most advanced, easiest-to-use reloading manuals ever published.

Two Separate Volumes

Not all shooters load for rifle and handgun. With Sierra, you can choose separate volumes or, if you like, get both.

Only Sierra's manuals have lay-flat 3-ring binders so pages stay flat and easy to read at the bench. And when you work up a page of custom loads data, you can easily insert it right into the section where it belongs.

HANDGUN MANUAL

We've added listings for XP100 and Contender pistols

and TCU cartridges...part of a new single-shot section.

The manual covers the latest loads for 10mm Auto, .445 Super Mag, and Accurate powders.

There are articles on reloading for competition and

hunting from such recognized experts as David Bradshaw, Rick Jamison, J.D. Jones, and Rob Leatham.

RIFLE MANUAL

Here you'll find updated loads information with new powder listings and a wealth of inside tips from the likes of Ted Almgren, Gary Anderson, Earl Chronister, Skip Gordon, Bill McDonald, Bob Milek,

Larry Moore, David Tubb, and our own "Bulletsmith Emeritus," Martin J. Hull. Available NOW!

See your shooting sports retailer or order direct. Just call us toll-free at



The Bulletsmiths®
SIERRA
10532 S. Painter Ave.,
Santa Fe Springs, CA 90670

1-800-223-8799

Available in the U.S.A. and Canada,
7am to 4pm, Pacific Time

The AYOOB FILES

TAXICAB SHOOTOUT: THE MARK YUHR INCIDENT

Situation: An armed robber wants more than your taxi fare and your cab. He wants your life.

Lesson: When cooperation fails, a Colt .45 in a holster works better than an empty wallet.

It is almost midnight, and the full moon over Miami makes the city look the way it does in the art deco travel brochures. Mark Yuhr, 33, enjoys the beauty of his city as he cruises his Dodge Diplomat, a former police car that now wears the yellowish-brown paint job of the Diamond Cab Company, toward the taxi stand near the Tiger Tail Lounge.

A quiet man who lives alone, Yuhr's pursuits include pistol shooting and reading gun magazines like *American Handgunner*.

In this city, it was once impossible to get a concealed carry permit unless you were influential, and even then it was only good in the county of issue. Florida's recent pistol permit reform has changed this. Yuhr is one of the many citizens who took advantage of their right to get a statewide concealed carry permit after paying \$145 for the application and taking a 4-hour firearms safety course.

Under his chamois shirt, cocked and locked, is a Colt Combat Commander .45 auto in a Milt Sparks "Summer Special" inside-the-waistband holster. Almost under the seat, in a small gym bag near his feet, are a spare Colt magazine and a Taurus Model 85 two-inch .38 Special revolver.

Because some gunwriter had urged that all pistols be carried one round down from full capacity, Mark has only six Winchester Silvertips in his .45's mag, and one more in the chamber. Likewise at the advice of gunwriters, his .38 snub is loaded with mild 148 grain midrange target wadcutter loads.

From the Tiger Tail comes a man who seems to fit the upscale, yuppie image of this fashionable Coconut Grove neighborhood. About five-seven, slim but muscular, the man is wearing a well-cut linen suit that looks yellowish brown in the glare of the sodium mercury lights that line the streets. His shirt is open at the throat, revealing gold chains around the neck. The only thing incongruous is the sunglasses the dark-haired man is wearing at 11:45 p.m.

As the dark-haired, clean-shaven customer enters the back seat of the Dodge, he tells Yuhr in a Spanish accent that he wants to go to an address near Coral Way and 27th Avenue. Yuhr puts the taxi in gear.

The sunglasses don't really pique the veteran cabbie's curiosity. There are more than a few strange folks in Miami. What does put him on edge is that as they near the area, the passenger keeps changing the address he says he wants to go to.

When they reach the place the man specified, he points up the street and tells the driver, "Two houses up." Yuhr cooperatively pulls in front of the house indicated. Meaning that they've arrived, the cabdriver says, "This is it."

In a different sense, truer words were never spoken.

From the corner of his eye, Mark Yuhr watches his passenger reach as if for a wallet. But when the hand emerges, it holds instead a shiny autoloading pistol. Yuhr recognizes it instantly as a stainless or nicked Smith & Wesson 9mm.

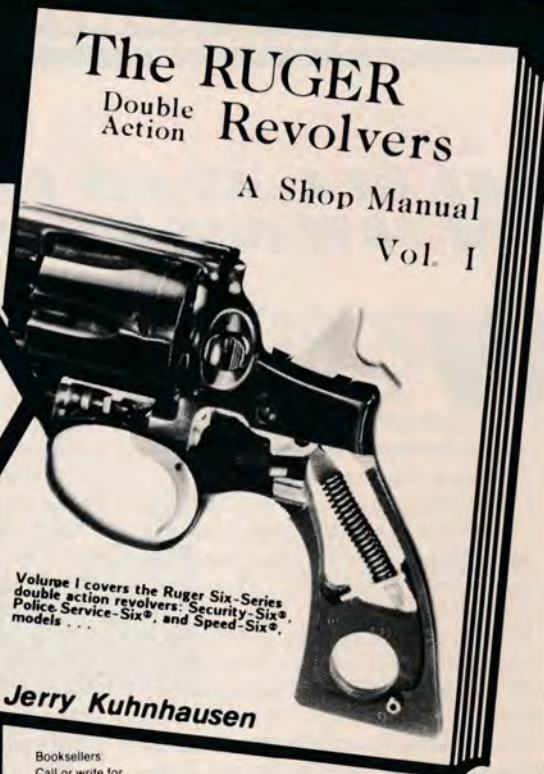
Continued on page 97

**ABSOLUTELY THE BEST, MOST DETAILED
GUNSMITHING
MANUALS AND VIDEOS WE HAVE EVER SEEN!**

**EACH OF THESE INFORMATION PACKED MANUALS
IS VIRTUALLY A GUNSMITHING COURSE IN ITSELF!**



**NEW!
JUST
RELEASED**
100's OF
PHOTOS AND
ILLUSTRATIONS



Volume I covers the Ruger Six-Series double action revolvers: Security-Six®, Police Service-Six®, and Speed-Six®.

Jerry Kuhnhausen



A necessary book if you own, work on, or plan to work on a .45 auto. Covers the Colt M1911, 1911A1, Series 80, and Officer's ACP models to date. Step-by-step easy to read text and 100's of photos and illustrations. Large accurizing section. Includes a detailed troubleshooting guide. 200 pages, softbound.

Colt .45 Auto. Manual \$17.95
SAVE \$12.95 when you buy the .45 auto shop manual and video as a set —
Get BOTH for only **\$63.95**

Covers the S&W J, K, L, and N frame revolver actions. The detailed text and photos take you from disassembly/reassembly through inspection, checkout, and repair. Includes custom work, troubleshooting guide, and solutions to common gunsmithing problems. 152 pages, softbound.

S&W Manual \$15.95
SAVE \$10.95 when you buy the S&W shop manual and video as a set —
Get BOTH for only **\$59.95**

Booksellers
Call or write for
quantity wholesale
price lists.

The book everybody has been asking for!
Covers the Ruger Six-Series revolvers: Security-Six, Service-Six, and Speed-Six. Includes step-by-step function checks, disassembly, inspection, repairs, rebuilding, reassembly, and custom work. As with all the Kuhnhausen manuals, a detailed troubleshooting guide is also included. Hundreds of detailed photos and illustrations. 176 pages, softbound.

Ruger Revolvers, Vol. I ... \$16.95

Advertisement © 1990



Volume I covers the Colt D, E, and I frames: Python, first model Trooper, Official Police, Officer's Models, Army Special, Diamondback, Police Positive, Cobra, Agent, Courier, Viper, Detective Special, and other Colts with similar lockwork. The easy to read text and 100's of photos and illustrations remove the mystery from these precision actions. 224 pages, softbound.

Colt Revolvers, Vol. I \$19.95
SAVE \$14.95 when you buy the Colt D.A. revolver Vol. I shop manual and Vol. I video as a set —
Get BOTH for only **\$64.95**



Volume II covers the Colt J, V and AA models: Trooper III, Trooper V, Official Police III, Metropolitan, Peacekeeper, Lawman and King Cobra. Includes new style action theory, bench function checks, disassembly, inspection, repair, reassembly, and basic tuning. The data on Mk. III hands, by itself, will pay for this book. 156 pages, softbound.

Colt Revolvers, Vol. II \$15.95

**EXTRA VALUE
PACKAGE DEAL:**

SAVE \$57.15 OVER INDIVIDUAL RETAIL PRICES.
GET THE ABOVE 5 BOOKS AND
THE 3 GUNSMITHING VIDEOS
FOR ONLY \$209.95 WITH UPS
CHARGES PREPAID.

ORDER DESK: 4th class mail
(208) 634-4104 orders, allow
4-6 weeks

- | | |
|---------------------------------------|----------|
| _____ Ruger Six-Series Manual Only | @ 16.95 |
| _____ Colt .45 Auto Manual Only | @ 17.95 |
| _____ Colt .45 Auto Video Only | @ 58.95 |
| _____ Colt .45 Auto Manual/Video Set | @ 63.95 |
| _____ S&W Revolver Manual Only | @ 15.95 |
| _____ S&W Revolver Video Only | @ 54.95 |
| _____ S&W Revolver Manual/Video Set | @ 59.95 |
| _____ Colt DA Vol. I Manual Only | @ 19.95 |
| _____ Colt DA Vol. I Video Only | @ 59.95 |
| _____ Colt DA Vol. I Manual/Video Set | @ 64.95 |
| _____ Colt DA Vol. II Manual Only | @ 15.95 |
| _____ Extra Value Pkg. Deal: | |
| _____ 5 Gunsmithing Books + 3 Videos | @ 209.95 |

NO COD'S. PREVENT DELAY, SEND CORRECT SHIPPING WITH ORDER
Std. ship/handle (4th class mail), first book or set USA \$3.00
Canada \$4.00

Add .50 shipping for each extra book or tape
For faster insured UPS shipping (48 States) add \$2.00
Idaho residents add sales tax

VHS or BETA Total
MC/VISA # Exp. Date

Name & Address _____



VSP™ SHOP MANUALS
Publishers
P.O. BOX 887, McCALL, IDAHO 83638

SAGA OF A .45 ACP REVOLVER AND HOW S&W JUST COULDN'T FIX IT

Warren Page (now deceased) is a legend among rifle accuracy fanatics. He is the man who made the saying "Only accurate rifles are interesting," the byword of the benchresters. He was a top notch writer and man.

I knew Warren in his later years and maybe learned a little from him. He always assumed any rifle good enough to be marketed was reliable. Things have certainly changed.

Accuracy was secondary to reliability. I sometimes think neither counts very much today with some manufacturers—and writers.

Just a couple days ago I read an article about one of the new *premium* Wondernines that grouped over five inches at around 65 feet from a machine rest. And the author didn't bat an eye—just went on singing the praises of this weapon to the skies.

I know Warren wouldn't have had much respect for either the gun or the

in any practical way he can, such as sending it back to the factory or an authorized repair station with the written complaint and urging warranty repair.

If you prefer, you can send it back yourself. Guns you buy at a gun show or from another individual—Let The Buyer Beware is the word of the day. They are usually for sale for some reason and many of the factories will take care of them, but don't bet on it.

Many of the companies have authorized repair centers that do excellent work but are usually not equipped to do major repairs like replace a frame or cylinder. Different manufacturers have different reputations in the field.

If you want to know about a revolver's reliability and durability, try asking a silhouette shooter who has been at the game for five or 10 years, likewise in bullseye or the action shooting game. The guys experienced in the games can tell you what works and what doesn't. They are a great source of information.



man that praised it. Or maybe he would have found the whole thing just—uninteresting.

A Real Dud

Well, just what do you do when you buy a new gun and find out it's a real dud? Frankly, it's between you and the manufacturer as your local gun dealer has nothing to say about what happens after the sale. Obviously he should be interested in your problem and try to assist you

For example, the Dan Wesson revolvers have the reputation among silhouette shooters as the most accurate you can buy. On the negative side, the reputation also includes the aside that you may have to send it back to the factory a couple of times to get the most out of it. But, the factory will *eventually* get it right.

Special Guns

After reading all the praise and glory in the slick gunmags of the *new* S&W

quality push, *new* Third Generation pistols, *new* management and particularly how wonderful the *new* 625-2 in .45 ACP is, I decided to try one.

The following is not intended to embarrass or criticize any writer. The writers' test guns were furnished by the factory and if it isn't common knowledge, it should be that, on occasion, just maybe some of those "gunwriter specials" are a little different than the one you may buy at the local emporium.

Certainly not even the majority of manufacturers make a special selection, but I'm convinced some of them do. Some of the manufacturers have admitted to me that the gun I was sent was a "special." In one case I was told that their chief gunsmith had over 30 hours working on a rifle to get it to shoot the way it did when I received it.

.45 Auto Rim History

I currently own a pair of 1917s, which is really the first revolver chambered for the .45 ACP, as well as a 1950 Target and maybe a 1955 Target. Haven't looked in that safe lately.

The .45 ACP was put into the 1917 as a WW I emergency measure. As in the auto pistols, the case headspaced on the case mouth. The cylinder was cut back at the rear to accept metal half moon clips capable of holding three rounds and provide for simultaneous insertion and ejection of the rimless ACP case.

Sometime after the war, Remington introduced the rimmed version of the ACP case, the .45 Auto Rim. The most popular usage of the guns was to use the .45 ACP ammo without the moons and simply flick the cases out of the chamber with a fingernail to avoid the pain in the you-know-what of loading and unloading clips. In the event of one sticking, another cartridges rim could be used to pull it out.

Shooting The Moon

In common usage the moon clips are prone to be bent. The rim thickness of various cases varies considerably but since the cartridge headspaces on the case mouth, accuracy should not be affected.

Moons can be used until they interfere with cylinder rotation. If the chambers are cut too deep, the cartridge will headspace on the moons and still fire. Accuracy can be adversely affected by moon thickness, rim thickness and bent moons which all can have the effect of giving varying ignition and headspace.

A moon that is bent and still can rotate may lift a cartridge high and give a spongy effect to the firing pin blow. It can be more complicated but I'm sure you get the general idea.

J.D.'s 625 Ordeal

A couple months after ordering the Smith & Wesson 625 from my distribu-

Continued on page 20

TARGET RANGER™

NO BANG • NO SMOKE • NO DANGER

The **TARGET RANGER** cartridge is 100% safe and works exactly like live ammo. When the hammer falls, the electronic circuitry inside the cartridge generates an infrared light pulse sending it down the barrel and out through the lens assembly. The target senses the beam and lights up to register a hit.

TARGET RANGER's adjustable light beam cartridge enables you to practice trigger squeeze, sight alignment, bulls-eye and combat techniques at a variety of different levels. The generated beam can be adjusted to diameters of 1", 2.5", 5" or 7.5" at the 25 foot range. Each cartridge delivers a minimum of 50,000 shots and **never** needs batteries.



There's no wear or damage to your gun and no need for ear protectors. Practice as long as you want—minutes or hours—at home or at the office, without traveling to the range or the expense of



ammunition and targets.

Consider the possibilities:

- Hunters and recreational shooters: skill-building fun and games.
- Competition shooters: work away fractions of a second that means being "IN THE MONEY".
- Law enforcement and security: extra practice for the edge that keeps you "on-duty".

Each **TARGET RANGER** system includes the adjustable cartridge, lens assembly and target in a durable carrying case. Calibers include 9mm, .38/.357 and .45 ACP.

Add to your practice session with the **new 12 and 20 gauge shotgun shells** that can be used with either

Standard or Professional TARGET RANGER system.



Standard Model includes a target that lights up to register a hit and has a suggested retail price of **\$195.00.**

Professional Model includes a new advanced target with audible and visual hit indicators, response timer, rapid firing detection, an A.C. adapter and other selectable features and has a suggested retail price of **\$395.00.**

For more information about **TARGET RANGER** contact your local dealer or write:

For immediate orders or assistance call 1-800-274-2769

NU-TECK LTD.

Dept. AH-5
30 Industrial Park Drive
Centerbrook, CT 06409

RAM-LINE

**STOP
Thumbusting!**

14 Rounds
for Ruger
MK I & II*.
\$14.97
Item MAK1214

12 Rounds
for Browning
Buckmark,
Challenger II,
and III. \$12.97
Item MAB1312

Easy Loading...

**No
More
Sore
Thumbs!**



*A registered trademark of Sturm-Ruger & Co., Inc.

Unique Target
9 targets in 1



- Bright color. Easy shot location.
- Graduated reticle sight-in bars.
- Circular pistol rings
- 4 Silhouette targets
- 2 confirmation targets.
- Optical clarity resolution bars.
- 2 "Dog be Gone" Liars targets.

Item TGT 0010 10 ea. \$3.97

Many other items are available, including the 'X-Press Loader for loading 9mm pistol mags. Call 800-888-0375/(303) 279-0899 for free 1990 catalog and order information.

RAM-LINE, INC.

Suite 12H50, 15611 W. 6th Ave.
Golden, CO 80401

HUNTING

Continued from page 18

tor, it arrived. I opened the package to be greeted by the dirtiest gun I've ever seen "new in the box." Haven't seen one that filthy since I last fired a couple hundred cast bullet loads through a revolver.

I popped open the cylinder and the barrel was badly fouled as were the chambers and everything exposed to the effects of combustion. My first impression was a mechanic at the factory had a hell of a time getting this one to shoot well enough to ship.

(S&W advises that one in 100 guns has a full box of ammo run through it in testing; the gun is then cleaned and shipped.)

Personally, I'd call that a used gun and price it accordingly. Would you want to pay full-retail for one of my Handcannons after I'd shot it 50 or 100 times in "testing?" If so, please contact me. I have some used cars for sale too.

The bolt had marked the cylinder all the way around. The rear of the barrel sported a burr large enough to cut yourself on if you hit it wrong.

Cylinder gap was approximately .016" on the left side and a .008" feeler gauge easily slid through the right side.

The crane was simply a mess. The part of the crane that the cylinder fits on at the front should be round and a close match to the front of the cylinder. This one was filed in flats all the way around. The cylinder could be tilted in any direction on it.

Cylinder end-play was excessive. If I had been a dealer buying it for sale to the public, I would have tried to return it to the jobber because of good business practices and the fact *no one in the general public is stupid enough* to believe this 625 is a "new" gun.

Certainly the gun should have been totally cleaned up, at the very least. I can understand a large company taking a chance and putting out a lousy gun on the assumption that the odds are good of it ending up with some schmuck who wouldn't know the difference between a good one and a poor one.

I can understand that. I can't agree with it.

Back To The Factory

I was leaving for a stag hunt in Scotland in a day or two and didn't have time to delve into the 625 any further. Accordingly I returned it to S&W with a cordial note.

After I returned from the hunt I got a postcard from S&W stating that the gun would be repaired and returned in two to three weeks from receipt, and if I had any questions to call.

Since it was about that time already I figured it would be along soon. About six weeks later I decided to call and see if it

Reliable, Affordable .380 Punch

The Davis P-380 packs a full measure of .380 punch into a solid, reliable backup handgun that's affordably priced. The safety of a solid steel breech block insert, steel barrel, and steel striker-type firing mechanism. The reliability of a blowback single-action. The security of a perfectly placed safety lever at the top of the left grip panel, where it can be easily reached in a tough situation. The product of a

company that's 100%
American-owned and
operated. See your
handgun retailer
today.



ALSO AVAILABLE
in .32 Auto.



The American Way

DAVIS INDUSTRIES

15150 Sierra Bonita Lane
Chino, CA 91710
(714) 597-4726

was misplaced.

My inquiry was met by a lady with a seemingly indignant answer of "We just got that gun. It will be at least another two or three weeks. They are going to refinish it."

Fine, I thought. Fall, the best shooting time of the year, is already over anyway.

I believe I got the gun back December 14 the first time. It still needed the usual trigger job, the cylinder gap was excessive, it had end-play in the cylinder and it needed re-throating and the barrel set back—about what I expect is the average for what I see coming out of the pipeline.

After a trigger job I took it out. Since it was bitterly cold, I decided to shoot from inside the truck. Loaded her up with six 230 grain Federal Match loads, stuck it out the window and got two bangs and a whole bunch of clicks.

Opening it, the problem was obvious—headspace was way off. Tried it with the half moon clips and it went "bang" every time and threw bullets somewhere in the general direction it was pointed.

Elevating the rear sight as high as I dared, it was hitting almost to the point of aim at around 30 yards or so. Accuracy seemed decidedly mediocre combining the Federal Match ammo and my pickup door benchrest. Gave up in about 30 rounds.

Factory Tour, Part II

Being pretty disgusted at this point, I found I could slip a .050" feeler gauge between the case head and standing breech. Another call to S&W and a conversation with a friend revealed that some of the early guns went out that way, but the problem was supposed to have been corrected.

Got the name of the guy to send it to with a letter explaining the problem. Sent it.

Some time later a call from the gentleman, Mr. Maack, informed me that, on examining the gun, they had found a place in the frame that was so thin they were afraid it would bend if I dropped it, so they were going to replace the frame.

The rest of the conversation revealed that the 625-2 does not headspace on the case mouth—it headspaces on the moon clips. Fifty-thousandths excessive headspace is okay by the new S&W and they would not correct that.

It was further revealed that the previous models were made for the .45 Auto Rim cartridge and that had nothing to do with the new 625.

In due time the gun was returned. It now has .011" cylinder gap, quite a lot of side play in the cylinder, moderate cylinder end-play and that's about as far as I looked.

After I saw the factory target shot with Federal ammo at 25 yards and the three inch group, well, let's just say I was "uninterested" in the gun at that point.

Continued on page 87

pace.set.ter | pās-,set-ər |

**1: one that sets
pace for another**

**2: one that takes
the lead or sets an
example**

3: the GLOCK

SEMI-AUTOMATIC
GLOCK

Perfection

GLOCK, INC. • P.O. Box 369 • Smyrna, GA 30081 • (404) 432-1202



How to measure security.

At Beretta, personal protection is a science of diminishing proportions, not of diminishing performance. Witness the Model 21A...this crisp, smooth double action pistol features Beretta's exclusive tip-up barrel for easy chamber loading, is available chambered for .22LR or .25 ACP, and is precision made in the U.S. No feature has been compromised to achieve its remarkable weight — under 12 ounces — and size — under five inches. Lots of small pistols measure up against a ruler...the Beretta 21A performs to a higher standard. See your nearest Beretta dealer or contact Beretta U.S.A. Corp., 17601 Beretta Drive, Accokeek, Maryland 20607. Or phone (301) 283-2191.



Beretta U.S.A.

SAFETY LEVER IS LIFE-SAVING DEVICE AND NOT JUST A DECOCKING LEVER

I'm not sure "pet peeve" adequately describes my feelings about something that is getting cops shot. Let's call it a "primary concern in officer deaths."

I'm talking about the current vogue of telling police officers not to use the safety catches on their pistols.

It's the rage today to use Stalin's concept of revisionist history and tell cops that the lever on their S&W or Beretta service pistol ain't a safety catch after all, it's just a decocking lever.

Never mind what the engineers or the patents say about it being a safety. Never mind that the pistol can't fire when that safety is engaged. These instructors tell you to carry off-safe.

One cop who works with me just got back from a seminar where he was told of one agency where the officer whose S&W is found on-safe will be penalized five days without pay. A famous West Coast agency issues a special holster to prevent the service automatic from being carried on-safe.

Just so it doesn't look like pussyfooting, let me come right out of the closet here.

I believe this practice is already getting cops shot and is going to get more of them shot for so long as it continues.

When the Del Rio, Texas, PD was looking for new guns, the evaluation

team pointed out two of several factors that convinced them to select the S&W .45 automatic. One was, they said, that "the FBI rates the 4506 as the Number One choice for law enforcement."

More to the point, they added, they had surveyed other Texas departments and "Austin P.D. said that three policemen were saved last year by the S&W safety systems during struggles with suspects."

Illinois State Police, with more than a score of years with the S&W 9mm, is now well over a dozen saves due to the handgun's design.

Only a few of these are firepower related. All the rest involved suspects who gained control of a trooper's weapon and were unable to shoot him, either because the criminal couldn't activate the manual safety or because the officer had intentionally pressed the magazine release button and activated the disconnect safety so the round in the chamber could not be fired. Numerous other such saves are documented coast to coast.

Undersheriff Eric Cooper of Las Vegas Metro PD told me of one officer who had been saved twice in two separate incidents when his issue S&W Model 59 proved shootable for him but not for the bad guy.

S&W's Tom Campbell documented another double save, a Riverside, Califor-

nia, cop overpowered and disarmed of both his duty weapon and his backup .380 auto. One perp tried to shoot him with one gun, the other with the other. Neither got off a shot. Both the duty S&W 659 and the backup Walther PPK-S were carried on-safe.

Case Studies

Can we point to cases where carrying off-safe got the cop shot? As a matter of fact, yes.

Cops in a Washington town were taught to use their Beretta safeties only as decocking levers. A scumbag ripped one officer's 9mm from its holster and shot both the cop and his partner. There is no indication that this man could have worked an on-safe 92F before the surprised cops could have rectified the situation, unless he'd had a Beretta owner's manual.

In Texas, an off-duty cop was in a street struggle with a perpetrator when his Walther PPK-S .380 came loose from its nylon holster and fell to the sidewalk. The punk grabbed the cop's own pistol and put a Glaser Safety Slug into his head. Men who knew the victim officer stated that he carried his pistol off-safe.

Contrast these tragedies with another Washington community where policy strongly suggests that the issue Beretta be carried on-safe.

A suspect disarmed a sergeant of his 92F and attempted to shoot him multiple times. Each time the pistol failed to fire, he'd work the slide and try again. Still no go. Another officer hearing the struggle drew his own Beretta and, instantly releasing the safety, shot down the gun grabber.

The sergeant was not injured and by the time it was over, there were three or four 9mm Silvertips rolling around on the floor.

FACT: No cop can go through life "not letting anyone get close to his gun," and even a weapon retention instructor will find his techniques failing him when two bad guys have grabbed him and the third is beating him upside the head.

A safety catch buys time in these situations. Also, no snatch-resistant holster can help when the attack comes on the officer's already drawn pistol.

FACT: Though we have solicited the information through these pages and elsewhere, *we still do not have a documented case of a police officer being shot because he had any difficulty in operating the safety/decock lever of his service pistol when carried on-safe.*

Do some cops have trouble manipulating that little lever? Sure. That's why so many instructors find it expedient to tell them to just leave the gun off-safe.

In fact, operation of the slide-mounted safety is simple for anyone properly trained and moderately practiced. The trick is getting used to it.

One of my cops, an ex-NYPD man

New for the 1990's

Practical Pistol

A guidebook for self-defense and practical combat/competition shooting.

Written By Dave Lauck of D&L Sports, Club 100 Listed Master Craftsman of the Combat Pistol, Veteran Law Officer, S.W.A.T. Officer, Certified Firearms Instructor, Distinguished Firearms Expert, and Champion Combat Shooter.

• In today's world of high-tech and multi-thousand dollar custom firearms, Mr Lauck uses his extensive experience to guide readers through the selection, modification and use of the best combat handguns available.



- This book could save you hundreds of dollars on your next combat pistol purchase by providing you with up-to-date information on the latest handgun modifications and accessories to suit your individual needs and budget.
- Practical Pistol provides detailed information on combat shooting safety, weapon selection for defense and/or competition, finishes, ammunition holsters, basic and advanced shooting techniques for combat and competition, sights, compensator systems, pistol maintenance, and self-defense tactics, etc.
- Practical Pistol also contains a complete listing of shooting accessory suppliers, firearms training schools, custom gunsmithing recommendations, and a glossary of practical shooting terms.

• Must reading for the defensive and competition shooter alike! More than 300 pages filled with useful text and over 300 photos and illustrations.

Send only \$21.95 plus \$3.00 S&H for a total of \$24.95 to:

D&L Sports

Phone: (307) 686-4008

P.O. Box 651 Dept AH

Gillette, WY 82717-0651

with 20 years of revolver habituation, carried his S&W 659 off-safe for a year at my recommendation. During that year, he practiced like hell. Today, when he draws his issue S&W auto, the safety pops off like lightning.

Another of my cops is ambidextrous, and got into the bad habit of popping the safety with his free hand. At a shooting class recently, he missed the safety and was ragged mercilessly by the class. He apologized to me for making me look bad, and I told him it was easier to handle than going to his funeral.

Shooting qualification with me the following week, he was popping the safety before his 4506 was clear off its Ted Blocker duty holster.

When will the trend in training change to reflect street reality? The sad history of it is, many administrators wait until someone dies or sues before they change equipment and policy.

That's what it took for so many agencies to get vests, and shotguns, and auto pistols, and hollowpoints; perhaps that's what it will take to get them to take a realistic look at proper use of the safety catch.

It won't be too hard. All it'll take will be one good lawyer, and one widow of a cop murdered with his own off-safe duty pistol.

"The safety catch was right there on the gun," the lawyer will tell a jury of common-sense lay people. "The killer confessed he just grabbed the gun and pulled the trigger. He didn't know about safety latches.

"But the department forbade the officer to use that safety catch, ladies and gentlemen. If they had forbidden him to wear a seat belt and he'd gone through the windshield, you'd find them negligent.

"This was the same thing. They literally forbade him to be safe!

"Were they too lazy to train him to take the safety off when he had to fire, himself? Or did they just ignore what was common knowledge in police work: that safety catches save lives?"

"It doesn't matter, ladies and gentlemen of the jury, because their negligence led directly to the death of this young officer..."

There is also industry precedent. Warren Barron of Beretta tells me his firm encourages on-safe carry of their pistols for maximum officer safety.

Though the Smith & Wesson Academy is into the decocking lever school of thought, S&W's own law enforcement sales division strongly encourages carrying on-safe, say Rich Mackney and Tom Campbell.

Inform the officer of both sides of the argument. Show him how to quickly release the safety catch in a reactive draw. Let *him* make the decision— but don't take from him a margin of protection that has been conclusively proven to save the lives of police officers.



peer-less 'pi(ə)r-ləs

1: matchless


2: incomparable

3: the GLOCK




GLOCK, INC. • P.O. Box 369 • Smyrna, GA 30081 • (404) 432-1202


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 ¼ gal., 1¼ gal. and large 4 gal. sizes.
- Ounce for ounce, Dunk-Kit is the least expensive cleaner on the market.


MasterCard VISA ONLY \$35⁹⁵ p.p.d. in the cont. USA
1¼ gal. size Please send street address for UPS delivery. COD'S OK

Send \$3 (\$6 outside USA) for more information on Dunk-Kit and a complete catalog of custom handgun modifications and parts.



CYLINDER & SLIDE SHOP, INC.
P.O. Box 937
Fremont, NE 68025
Ph.: 1-(800) 448-1713

COR-BON®
Super Penetrator
Ammunition and Bullets
for large and dangerous game



New Loaded Ammo
44 Mag 305 gr.
454 Casull 320 gr. and 360 gr.
18 Rnd Wallet Pak
50 Rnd Plastic Box
Desert Eagle Load
44 Mag 305 gr.

"New"
Buy direct or see your Dealer
Call or write Peter Pi
COR-BON®
P.O. BOX 10126
Detroit, MI 48210
(313) 894-2373

PULL THE TRIGGER ON EXCITEMENT



SSK HAND CANNONS

For Superior Performance when you wish to reach out and touch something.

Specializing in:

14 to 58 Caliber Contenders

Custom Scope installations for hunting handguns, heavyweight bullet molds, 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

Milt Sparks Holsters
P. O. Box 187A
Idaho City, ID 83631
Phone/Fax (208) 392-6695



NEW

Modified version
of original 60TK,
designed specifically for
the Officers model ACP

MasterCard/Mastercard/Visa
\$2.00 for catalog



THE FBI

10mm LITE

By Walter Walsh

It began with a single FBI issued 9mm round, a 115 grain Silvertip, fired in the Miami Massacre. After passing through the suspects arm, it entered his chest, mushroomed perfectly, and headed for his heart. When it stopped just short of his heart, it touched off one of the greatest upheavals in law enforcement firearms in 100 years—the FBI's new 10mm.

As the controversy continues, *American Handgunner* will try to explain not only what has happened, but why. Along the way, certain facts of life in law enforcement in this country may make you pause and wonder how *anything* gets done in a bureaucracy.

We begin with a bit of history of the FBI. It began July 26, 1908 as the Bureau of Investigation. Not allowed to carry sidearms, it was a haven for political hacks until 1924, when an attorney named John Edgar Hoover was appointed director.

The 1932 Lindbergh baby kidnapping shocked the nation, as in that era, like today, state agencies had to stop at the state line. Federal laws were passed, and the FBI started to carry handguns. The 1934 crime package put the FBI into law enforcement.

It took the "Kansas City Massacre," with the death of one FBI agent, three local officers, the prisoner they were escorting, and the wounding of two other agents, to convince the FBI that agents had to be marksmen.

It is not clear what guns the agents carried in those days, but there is some indication that the S&W Model 10 in .38 Special was the choice. There is a photo of J. Edgar Hoover being presented the first Smith & Wesson .357 Magnum in 1935. This revolver, with a three-inch barrel, became the official FBI gun.

It is not widely known that in the Thirties the FBI issued Colt .38 Super pistols. They were intended to overcome the body armor of that time, widely used by the desperados of the day. In fact, the FBI Academy still has some Thompson submachineguns in .38 Super.

Somehow, between the Thirties and the Seventies, FBI agents mysteriously lost the capability to operate semi-automatics.

Finally in the Eighties, some FBI agents have gradually moved to more modern sidearms, and I have worked with some agents who broke the rules and used all kinds of pistols, including Colt .45 autos carried cocked and locked.

The heavily trained (but untested) Hostage Rescue Team carries Browning Hi-Powers, while the SWAT-trained agents in each office carry S&W 5900 series pistols. It was from one of these that the infamous Miami round was fired.

Panel Of Experts

After the Miami disaster, the FBI decided that something must be done. It is *what* they chose to do that shows how a bureaucracy prevails over common sense.

Their first move was a good one—they convened a workshop of ballistics experts to examine from a fresh perspective how handguns stop attackers. Foremost among the panel members was Dr. Martin Fackler of the U.S. Army Wound Ballistic Laboratory.

The most significant outcome of the meeting was a realization that in order to stop an attacker, the projectile must penetrate to vital organs and disrupt those organs. The failure of the round in Miami to do just this allowed that attacker to kill two agents and wound five more.

The unfortunate outcome of the panel was a focus solely on penetration and other aspects of terminal ballistics rather

than the tactical elements of the shootout.

One overlooked comment of the panel bears further examination. "Overpenetration is not a problem when the police only hit with 20% of their shots."

The panel decided that a 10% gelatin mixture is the best available medium, and 12 inches of penetration is the minimum acceptable amount. The FBI decided to test a new cartridge based on these criteria.

Controversial Test

It is not just *how* they tested, but *what* they tested. Moreover, the conclusions they reached raise disturbing questions. What follows is based on three principal sources: the actual FBI test results, reports about the test in *The FBI Bulletin*, and an FBI video conference over a special law enforcement training network.

The test was to determine what new caliber the FBI would use in a new semi-auto pistol to replace the aging revolvers of J. Edgar Hoover's era.

The contenders were the 9mm Parabellum, the .45 ACP, the 10mm Auto and a new round based on a single handload, a watered-down 10mm Auto with a 180 grain hollowpoint at 950 fps. This is the round that *American Handgunner* editor Cameron Hopkins playfully dubbed the "10mm Lite."

The first problem is *how* they tested these three cartridges. The firing test was in eight parts, with various barriers placed in front of this magic recipe of 10% ballistic gelatin. Each firing test was done five times, for a total of 40 shots. Nowhere in any of the sources is there any indication that any of the tests were run more than once.

I can agree that the testing consumed mountains of gelatin and hours of officer time, but I would think that at least the best rounds would be tested several times, to verify results.

In fact, the test data becomes rather slippery. There is a factor called experimental error. That is, if I conduct the same test, any test, several times, I will get different answers.

Every test has a certain margin for error due to variables in both the things tested, and the measuring devices. For example, no one thinks of firing just one round over a chronograph, no matter how carefully and uniformly we loaded the ammo. Thus the same bullet, at the same velocity, can produce different results if the test is run several times.

The FBI firearms staff seems to have ignored this.

Unexplained Contradictions

Yet in the November, 1989 issue of *The FBI Bulletin*, the issue with a cover story on the FBI 10mm, there is an article by the FBI Institutional Research and Development Unit. The article is titled "Ammunition Selection: Research and Measurement Issues."

Continued on page 93

pre-ci-sion | pri-'sizh-ən |

1: adapted for extremely accurate measurement or operation

2: held to low tolerance in manufacture

3: the GLOCK

GLOCK® INC. • P.O. Box 369 • Smyrna, GA 30081 • (404) 432-1202

C.P. BULLETS®

FOR EXCELLENT PERFORMANCE

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

C.P. ELITES®

JACKETED MATCH BULLETS
135gr. and 150gr.

In topline competition they can't afford to give anything to anyone. They use CP Elites.®

Rob Leatham Jerry Barnhart Doug Koenig Angelo Spagnoli	John Dixon Brian Enos	Mark Mazzata J. Michael Plaxco	Debbie James Russ James Scott Carnahan Todd Jarrett
---	--------------------------	-----------------------------------	--

Shot and recommended by many of the top finishers at the USPSA National.

<ul style="list-style-type: none"> • 135gr FMJ-RN 'ELITES' (.356") • 150gr FMJ-RN 'ELITES' (.356") • 130gr RNHARDCAST (.356") • 140gr SWCHARDCAST (.356") • 145gr RNHARDCAST (.356") • 155gr SWCHARDCAST (.356") • 160gr RNHARDCAST (.356") • 160gr RNHARDCAST (10 MM) • 175gr SWCHARDCAST (10 MM) • 200gr SWCHARDCAST (10 MM) • 170gr SWCHARDCAST (.41 AE) • 178gr SWCHARDCAST (.452") • 200gr SWCH HARDCAST (.452") • 215gr SWCH HARDCAST (.452") <p>OTHER CALIBERS AVAILABLE</p>	<p style="text-align: center;">S&A SMITH & ALEXANDER</p> <p>Mag-guide • Ambi-release BRASS 38 super P • 9mm • .45ACP POWDER ACCURATE ARMS #2 #5 #7 in 1, 6, 8, containers</p> <p style="text-align: center;">C.P. Mag Pads® Available in five colors</p> <p style="text-align: center;">Recoil Buffers Super Tuff C.P. Buffs®</p> <p style="text-align: center;">USPSA/I.P.S.C APPROVED TARGETS Matching Tape & Pastors</p>	<p style="text-align: center;">ERNIE HILL SPEED LEATHER®</p> <p>FAS-TRAC HOLSTER MAG POUCHES • BELTS</p> <p style="text-align: center;">CHIP McCORMICK CORP. Competition Hammer & Sears 10 Round Mag & Spring Kits 38 Super 9 Round Mag & Spring Kits 10MM 8 Round Mag & Spring Kits 45</p> <p style="text-align: center;">HOLSTERS BELTS • POUCHES SPEEDLOADER</p> <p style="text-align: center;">SAFARILAND</p>
---	---	--

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

.38 SUPER EXPERIMENTS CONTINUE TO PROGRESS BY NEW TECHNOLOGY

You remember all the horror stories you were told about loading the .38 Super to major? Well, almost anyone who has much experience with the thing will tell you that the rumors of your gun vaporizing in a cloud of Blue Dot were greatly exaggerated.

Most of this nonsense stemmed from the fact that we had all become somewhat complacent towards the development of new products and equipment in the early to mid-Eighties. You were told—and I myself said it—that you should stick with relatively heavy bullets, 160 grains or so, and the slowest powders to get the velocity necessary to make major.

Well, a lot has changed since 1984-1985 when the Super rage began. At the time we were experimenting, trying to do things with the little cartridge that had never been attempted before.

All the cries rang out about "over-

pressure" and "dangerous loads." In some cases, it was true. The problems came from .45 ACP reloaders without any experience in developing loads for what was basically a high pressure wildcat round—myself included!

Blown cases, cratered primers and splintered grip panels were common problems when proper caution was not used.

So what happened? As you know, the .38 Super has become the cartridge of choice for any serious competitor. The answer is simply that we experimented until we learned how to control the Super. Here's what we learned in the Eighties, the "decade of the .38 Super."

Better Gun Designs

The overwhelming preference for jacketed bullets by top competitors is due to advantages that are more significant in .38 Super than in .45 ACP. The pressures and temperatures generated by the Super actu-

ally erode more of the bullet and lube.

A jacketed bullet reduces the smoke from the burning lube and molten lead, which can be visually detrimental in some weather and range conditions.

The jacketed bullet has also been found to stabilize better than lead, thus greater accuracy is achieved. Jacket fouling replaces leading as the major cleaning dilemma, but this is neither better nor worse.

All that pressure developed with the Super has allowed great strides forward in gun design. A compensator on a Super has roughly *twice* the gas pressure to work with than a .45 ACP. More efficient compensator designs are now profitable that would have made little or no difference with a .45 ACP.

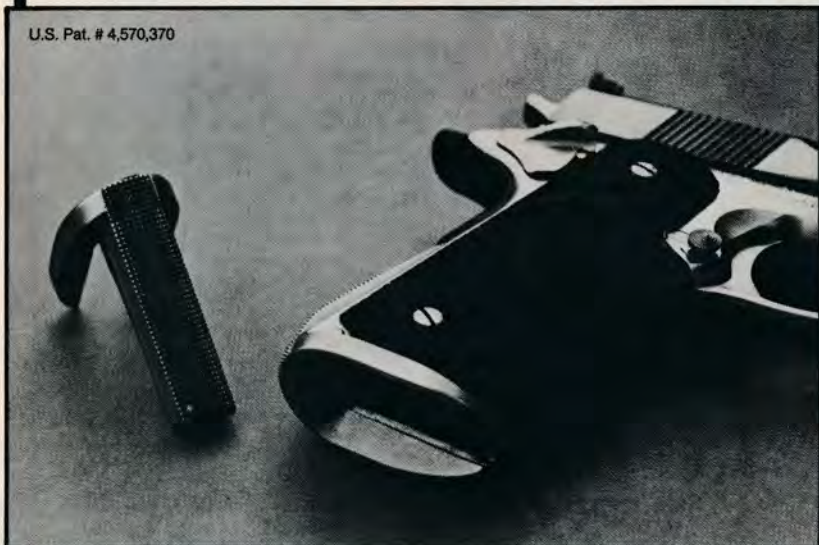
The bore of the Super, of course, is smaller than a .45 and that combined with lighter bullets creates far less of a twisting motion as the gun fires.

To a small and, I believe, insignificant degree, you can also include the flatter trajectory of the Super as an advantage over the .45 ACP. Same goes for the shorter leads necessary on moving targets. It doesn't seem to matter.

Naturally with any change come problems. The initial glitch was the increased pressures. In the years since the Super Boom, gunsmiths have developed better mechanisms to hold the round. Fully supported chambers such as the Wilson barrels installed on my full-house Wilson

When It's Time For A Change... ...THE S&A MAG-GUIDE

U.S. Pat. # 4,570,370



- ONE PIECE MAGAZINE GUIDE AND MAINSPRING HOUSING
- FITS COLT OR OTHER 1911-TYPE AUTOS
- STAINLESS (17-4) OR BLUED (4140)
- ARCHED OR FLAT
- MFGD. TO FIT STD. MAGAZINE OPENING, MAY BE ENLARGED TO FIT ALREADY "FLARED" MAGAZINE OPENING
- FITS RIGIDLY IN FRAME, WILL NOT SHIFT LIKE UNITS THAT MOUNT AROUND GRIP SCREW BUSHINGS
- ADDS 1/4" TO GRIP LENGTH AND EXTRA WEIGHT HELPS REDUCE RECOIL
- CHECKERED 20 LINES PER INCH

- OMFB — Officers Model Flat Blue
- OMFS — Officers Model Flat Stainless
- GMFB — Government Model Flat Blue
- GMAB — Government Model Arched Blue
- GMFS — Government Model Flat Stainless
- GMAS — Government Model Arched Stainless

\$69.95

POSTPAID. Certified Check, M.O. or U.P.S. COD (UPS \$2.50 Handling & COD Chgs.)
Texas Res. add 8% Sales Tax (\$5.60 ea.)



**SMITH &
ALEXANDER**

IF UNAVAILABLE AT
YOUR DEALER —
ORDER DIRECT FROM S&A
"DEALER INQUIRIES INVITED"

SMITH & ALEXANDER
P.O. BOX 835790
RICHARDSON, TX 75083
214-231-6084
214-343-7203

Super Grade actually make case failure nearly impossible.

The next problem was the primer. That one as simple—merely substitute a magnum primer for a regular one. In most cases a small rifle primer works well too.

The noise. Well, that's one problem with a Super that hasn't been beat and the .45 still retains an advantage. The things are loud, and the current loadings favored by top shooters often use 130-135 grain bullets really blister the eardrums.

After some exposure you will become used to the increased muzzle blast and noise level. I personally don't have a problem with this. I can live with the increased noise for the benefits.

Barrel life is shorter with the Super compared to the .45 ACP. I feel the reason for this is the jacketed bullets more than the increased pressures. Again, I think the advantages of the jacketed bullets far outweigh the increased wear.

The 10mm Craze

The latest 10mm craze, or .40 caliber as you wish, seems to boast lower pressures than the .38 Super and higher mag capacity than the .45. The various 10mm's seem to fall smack between the Super and the .45 ACP.

While the first and foremost concern is always *Safety First*, we must also realize that the high pressures of the .38 Super—the very thing that makes it

potentially unsafe—is its best advantage over the 10mm.

As much as some don't want to admit it, the reason for the Super's effectiveness is precisely those high pressures. Nothing is going to increase the efficiency of any compensator design as much as an increased pressure of a larger volume of higher velocity expanding powder gases.

Regardless of which design works best, they all function better with high pressure gases. This explains the use of light bullets in the Super—we are actually *trying* to raise pressures.

The trick is not to step back to a 10mm, but to devise ways to get higher pressures more safely. If you want one of the .40 calibers, that's fine with me, but it may not make a better wheel. You pick—.41 Action Express or .40 S&W, two rounds that are ballistically equivalent. Both offer advantages over the Super, but not because of the cartridges themselves.

Pistols can be chambered in these two rounds that are not capable of accepting the longer case length of the .38 Super. In most instances, this will result in a higher mag capacity by one measly round. One.

A Springfield Armory P-9 or a Smith & Wesson Model 4006 will both hold 11 rounds of .41 AE and .40 S&W respectively. Of course you can get 16 or 17 rounds of good ole 9x19 in same gun, but that's only minor caliber, right? Not necessarily!

With the Super we were skeptical at

first about shooting major. Today we're equally skeptical about shooting 9mm Major, but in the same way that we conquered the Super, so too may we approach Major Nine.

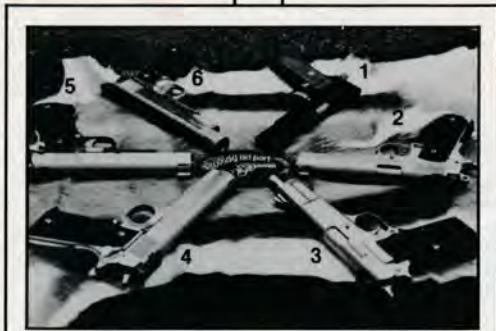
With few differences, we're pushing the same 135 grain C.P. Elite out the barrel at 1335 fps. Pressures are similar in Super and 9x19. (Actually pressure curves are different, but not enough to scare away someone with wildcat experience.)

I know from personal experience that major velocities are achievable from the Nine because I've been experimenting with it recently. I'm not ready to give out data, but I'm getting there.

What's the point? If you're talking 1911 design, I agree with you completely. Stick with the .38 Super. The Super and the 9x19 have the same magazine capacity in the 1911 so there's no point in the grief of working with the shorter round.

But what if you could get major power factor out of a P-9 holding 17 or 18 plus one in the chamber? And still get the thing reliable and accurate? Then you may have something!

The .45 ACP was definitely the IPSC Cartridge of the Seventies and the .38 Super was unquestionably the IPSC Cartridge of the Eighties. Will the .40 S&W or the .41 AE or maybe even the 9x19 be the IPSC Cartridge of the Nineties? The writing's on the wall.



AUTOPORTING?

So what's new!

Mag-na-port® International has been Mag-na-porting auto's for 18 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 18 years, that speaks for itself!

Write the "Originator"

Anyone interested in further information on Porting handguns, rifles and shotguns, write the originator:

1
Week
Delivery!



INTERNATIONAL, INC.

41302 Executive Drive
Mt. Clemens, Michigan 48045-3448
(313) 469-6727 • Fax (313) 469-0425

"Imitation
is the sincerest
form of
plagiarism."

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

BUILDING A PARA-ORDNANCE .45 IS TROUBLE-FREE WITH THESE TIPS

When the Sheriff's Department of a nearby county decided to allow officers armed with the Government Model to equip their pistols with Para-Ordnance large capacity frames, it gave me an opportunity to assemble and study the hybrid weapons in the shop and to do extensive testing on the range.

Some department requirements were: Absolute functional reliability under duty conditions, reasonable longevity, compatibility with existing leather, easy maintenance and the capability of accurate sustained fire in the hands of officers trained with the Government Model, without the necessity of extensive additional training.

On the surface, the Para-Ordnance frame seemed an excellent option, especially for the K-9 officers currently armed with 9mm pistols, since they need a large capacity magazine because of the diffi-

culty of reloading while handling their partner. Most said they would feel more comfortable armed with a larger caliber.

The Para-Ordnance frame is compatible with slides and parts of Series 70, 80 or pre-70 vintage, Colt or aftermarket. But, like every hybrid, there's more to it than just swapping a few parts.

Fitting The Parts

A preliminary partial assembly will show which recoil spring system should be used. If the frame has a tendency to scrape the slide's spring housing during recoil, use of a rod follower buffer system will put things back into alignment.

I use an 18½ lb. recoil spring and compatible firing pin spring. A standard weight 23 lb. hammer spring works well and provides an adequate margin of reliability for duty use.

I always fit a Wilson combat extractor and ejector. The extractor is stoned and

set as in the GM. The ejector can be shortened until it just ejects long loaded cartridges. As with the GM, slide ports may have to be lowered and re-shaped for uniform, reliable ejection.

Always check the tightness of the plunger tube and make certain that the special long magazine catch and wide trigger loop function freely. Lubricate internal moving parts sparingly.

You can fit a wide grip safety if it is needed, but those that require frame modification create some headaches. The material from which the frame is made pins files and clogs stones rapidly. The resulting raw edges at the cuts are obvious and hard to conceal.

Birchwood Casey aluminum black applied with a cotton swab colors the aluminum alloy fairly well, but nothing seems to last for any length of time. This same problem exists with other alloy frames. My favorite wide grip safety for these aluminum frames is a Kings that requires no frame modification and alters well to a rounded spade shape.

The 13 round Para-Ordnance magazine is obviously the heart of this conversion. The first thing I'd suggest is that you obtain several spares for rotation with those being carried.

The next order of business should be to fit bumper pads to the thin overhanging bottom plates; this prevents handling

Continued on page 65



LEARN GUN REPAIR!

OVER 45,000 STUDENTS SINCE 1946

START YOUR OWN HOME BUSINESS

Study at home in your spare time...

MAKE MONEY IN GUN REPAIR!

Enjoy a Full or Part-Time Career

Learn at Home in Your Spare Time

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



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

Vernon Gruver
Checotah, OK



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

Ronny Peede
FT. Worth, Texas



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

Allan Nance
Dewington, Alberta, Canada

BE A WINNER!

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

"Be a Proud and Successful Gunsmith!"

SPECIAL TOOLS ARE ALL INCLUDED

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

START MAKING MONEY FAST

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

EVERY SINGLE LESSON

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

SPECIAL PROBLEMS?

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

OUR FAMOUS STAFF IS ALWAYS READY TO HELP YOU!

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

START YOUR OWN BUSINESS

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



ACCREDITED BY THE ACCREDITING COMMISSION OF THE NATIONAL HOME STUDY COUNCIL

APPROVED FOR VETERANS AND GI BENEFITS

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

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

Name: _____ Age: _____

Address: _____

City/State/Zip: _____

MODERN GUN REPAIR SCHOOL dept. GBA-50
2538 N. 8TH. ST. • BOX 5338 • PHOENIX, AZ 85010

©Modern Schools Box 5338 Phoenix, AZ 85010

YOUR SOURCE FOR QUALITY



- Custom Handgun Modifications
 - Parts and Competition Accessories
 - Service - Colt/Smith & Wesson Warranty
 - Authorized by S&W for Magnum Barrels and Cylinders
- For personal consultation with Bill call 9:30-11:30 a.m. CST (402) 721-4277

Fully Illustrated & Informative Catalogue
(\$3.00 U.S. - Refundable \$6.00 Foreign)
Orders & Catalogues: 1-800-448-1713



Cylinder & Slide, Inc.
P.O. Box 937AH1, Fremont, NE 68025
Bill Laughridge, President



CONCENTRATION IS THE REAL KEY TO KNOCKING OVER 40 IN A ROW

It's going to be a great match. The first chicken slams down perfectly and that is always a reassuring sign. The next nine are also all perfect center hits. The Super 14

Thompson/Center Contender .30-30 is definitely doing its job.

Now move on to the pigs. Five pigs, five shots. Five picture perfect shots. Nothing to get excited about yet; chick-

ens and pigs are the easy targets and things are going awfully well. Five more shots. Same story, perfect performance by gun, load and shooter.

Next the 150 meter turkeys, the worst of the four silhouette targets and I'm already starting to think: "If I make it through the turkeys, the rams will be a cinch." Mistake number one.

Settling down into position, I tried to relax. *Load!* The action of the Contender is broken open, and the .30-30 with 150 grain Hornady Spire Point over 26.0 grains of H4198 drops easily into the chamber. Placing the loaded T/C beside me, I lay back and again try to relax.

Time is not a factor. Two minutes is a lot of time, even for single-shots. No need to hurry. I would have plenty of time to pick up the gun and get ready on the next command.

Fire! Only then do I wriggle down into Creedmore and pick up the .30-30 Contender. Cock the hammer, line up the sights. Perfect picture, squeeze the trigger ever so gently. Perfect hit and the first turkey goes down, solidly center punched.

I start to think about getting all five turkeys. Mistake number two.

The next four all go down with picture perfect hits. Again I think: "If the turkeys go down the rams will be easy" and my fate is nearly sealed now.

Time to relax again and wait for the target setters to do their thing. Score so far: Shooter 25, Targets 0. I can smell a perfect score.

Load! Drop the .30-30 round into the T/C, snap it shut, relax and wait. *Fire!* Line up the sights, squeeze, *clang!*, down goes turkey number six, followed by seven, eight, and nine.

One to go. Then the rams will be easy. I run through the rams in my mind, 1-2-3-4-5. All perfect hits. Second bank, 6-7-8-9-10, again perfect hits. A perfect score with the Contender .30-30.

That is exactly what I was thinking as I miss turkey number 10! Yes, the 10 rams did turn out to be easy; 10 perfect hits. But it was too late. No perfect score. The last turkey got me. Why?

Concentration

The answer is obvious. Instead of concentrating on the last turkey, I was already shooting rams in my mind, already getting all 10 rams and that perfect score and forgetting about the target at hand.

When I squeezed the trigger on that last turkey, were the sights perfectly aligned? I can't remember. They could not have been or I would have had a perfect hit. The fact that I can't remember shows that my mind was elsewhere. I was distracted, rather I distracted myself from the business at hand and the result was a crucial miss.

The problem was certainly not with the Contender. It was performing perfectly. The problem was not the bullet, nor

PRACTICE DAMAGE CONTROL.

CORE HARDNESS VARIES IN EACH CALIBER BULLET FOR OPTIMUM PERFORMANCE.

HOLLOW POINT CAVITY DIMENSIONS DIFFER BY CALIBER FOR IDEAL MUSHROOMING.



.357 CALIBER
158 GRAIN JHP.
73% AVG. RET. WT.
AT 357 MAG VEL.
(MUZ. 1235 FPS).

JACKET WALLS ARE TAPERED TO CONTROL WEIGHT RETENTION AND ASSURE MAXIMUM EXPANSION AND ENERGY TRANSFER.



EXPANDS TO 2X THE CALIBER.

Consistent knockdown power. Without blowing up. You can count on it with Speer® JHP handgun bullets. Jacket walls are tapered for full, controlled expansion and maximum energy transfer. In other words, they do the job. Every time. You'll find Speer JHPs in 14 calibers and 12 weights. Just load up a box or two before you go out next time. And practice damage control every time you pull the trigger.



SPEER®

YOUR SHOOTING PARTNER.
CCI • SPEER • RCBS • OUTERS • WEAVER

©1989 OMARK SPORTING EQUIPMENT DIVISION OF BLOUNT, INC., P.O. BOX 856, LEWISTON, ID 83501 1-800-627-3640.

the load, nor the weather, nor the wind, nor anything. Everything was perfect. The problem was me.

I am convinced that the top shooters are not necessarily the best shooters. That sounds contradictory. But the top shooters in any phase of competition are not necessarily the most skilled at marksmanship, but they are the ones who come closest to 100% control of their mental attitude.

No one can do it perfectly, but those who consistently come the closest are those that consistently finish at the top.

When one begins the silhouetting game, or any other phase of competition, important choices have to be made. Purely choices of attitude.

One major choice is the conscious decision to compete against other shooters or to compete against yourself. Competing against other shooters can bring much frustration. Competing against yourself—striving to beat the previous score, trying to improve each time—brings success. All a matter of attitude.

And when you decide to compete against yourself, you soon find that you have beaten the competition in the process!

Mental Control

I'm a long way from 100% mental attitude control. In silhouetting I would rate myself at 85-90%; in testing handguns and blocking out the thoughts of heavy recoil and other distractions, around 95% or more.

I have not yet learned how to block out all distractions during a silhouette match and get up into that 95% plus range. Distractions like the next shooter talking to his spotter, or spectators talking to each other often break my concentration.

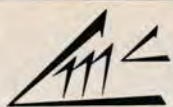
The ultimate distraction occurred in a state match as I looked over my loaded, cocked and aimed revolver to find a TV cameraman in front of me taking video pictures.

That rattled me so bad—the thought of accidentally shooting someone even though he was a complete idiot—that I swung on the wrong bank of targets and was mentally ruined for the rest of the match.

Once during a match while shooting from Creedmore with a .357 Magnum, my blast shield slipped down sometime during the match. As I finished and got up from the rams, someone said to me: "What happened to your leg?"

The blast from the cylinder gap had blown a three inch circular hole in the thigh of my Levis and my leg was a bloody mess. I never felt a thing.

Yes, go ahead and buy that new gun if you really believe it will raise your scores. But at the same time, take stock of your mental attitude. Championship shooters win the mind game long before they ever win the match. Good thinking and good shooting.



CHIP McCORMICK'S PERFORMANCE SUPPLY



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

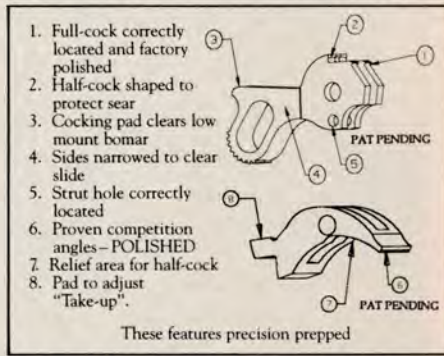
CALL TOLL FREE 1-800-328-CHIP



M-1911 (EDM) HAMMERS & SEARS

ACCURACY and SPEED SHOOTING competitors demand the very best when VICTORY is measured in thousands of an inch or hundreds of a second. These M-1911 hammers & sears are state-of-the-art products made with state-of-the-art technologies of the future. To the shooter this means the best trigger pull ever felt. To the gunsmith it means superior results with much less shoptime.

- Computer Assisted Design (CAD)
- Electron Discharge Machined (EDM)
- Profile tolerance .001
- NEVER A CASTING FLAW
- Perfect parallelism between pivot hole and all other features
- Sear—correct geometry
- Made from A-6 tool steel plate stock



These features precision prepped

NEW TITANIUM/CARBON FIBER MATCH TRIGGER



- Weighs 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.

* These parts are designed to be installed and safety checked by experienced professional pistolsmiths, for use by competitors in sanctioned competitions. *

NEW 9 round—10 mm Mags & Conversion Kits

8rd—.45 acp Mags & Kits 10rd—.38 Super Mags & Kits

SHOOTING STAR MAGS CHOICE OF CHAMPIONS

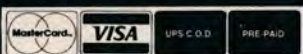
All METAL CONSTRUCTION insures long lasting performance. Competitors choose a proven design for the big matches. This unique patented follower has been winning for 8 years:

- | | |
|------------------------|--------------------|
| 82 IPSC Combat Nat'l's | 82 Steel Challenge |
| 83 IPSC Combat Nat'l's | 83 Steel Challenge |
| 84 IPSC Combat Nat'l's | 84 Steel Challenge |
| 85 IPSC Combat Nat'l's | 85 Steel Challenge |
| 86 IPSC Combat Nat'l's | 86 Steel Challenge |
| 87 IPSC Combat Nat'l's | 87 Steel Challenge |
| 88 IPSC Combat Nat'l's | 88 Steel Challenge |
| 83 IPSC Combat World | 86 West Coast IPSC |
| 86 IPSC Combat World | 87 West Coast IPSC |
| 88 IPSC Combat World | 88 West Coast IPSC |
| 82 IPSC Indoor Nat'l's | 84 Florida Inv't'l |
| 83 IPSC Indoor Nat'l's | 85 Florida Inv't'l |
| 84 IPSC Indoor Nat'l's | 86 Florida Inv't'l |
| 85 IPSC Indoor Nat'l's | 87 Florida Inv't'l |
| 86 IPSC Indoor Nat'l's | 88 Florida Inv't'l |
| 87 IPSC Indoor Nat'l's | Angelo Spagnoli |
| 88 IPSC Indoor Nat'l's | Jerry Barnhart |
| Brian Enos | J. Michael Plaxco |
| Chip McCormick | Ken Tapp |



M-1911 Magazines	
9rd—10mm SS	\$27.95
9rd—10mm SS w/Base Pad	29.95
9rd—10mm Blue	24.95
9rd—10mm Blue w/Base Pad	26.95
8rd—.45 Stainless	22.95
8rd—.45 Stainless w/Base Pad	24.95
8rd—.45 Blue	19.95
8rd—.45 Blue w/Base Pad	21.95
10rd—.38 Stainless	27.95
10rd—.38 Stainless w/Base Pad	29.95
10rd—.38 Blue	24.95
10rd—.38 Blue w/Base Pad	26.95
Conversion Kits—FIXED BASE MAGS ONLY (adds 1rd to standard mags)	
9rd—10mm	12.95
8rd—.45 (Gov't)	\$10.95
7rd—.45 (Officers)	10.95
10rd—.38 (Gov't)	12.95
8rd—.45 (SIG 220)	12.95
Shaw Base Pad w/ Screws	2.50

ORDERS ONLY 1-800-328-CHIP FREE SHIPPING



FREE Shipping in 48 States
Texas Residents add 8% tax
DEALERS SEND FFL

Chip McCormick Corp.



7506 Bender Drive
Austin, TX 78749
(512) 280-3320



Jim GARTHWAITE

By Dave Anderson

nity to learn a pistolsmith's skills from a master, saving a lot of trial-and-error experience. Shortly after becoming interested in practical shooting competition, he made the acquaintance of master pistolsmith Richard Heinie of Havana, Illinois.

Heinie was impressed with his interest and attitude, enough to share the technical knowledge and skills he had acquired. This is something like offering a young hockey player the chance to play on the same line as Wayne Gretzky.

Heinie is recognized as one of the very best in the business, and his workmanship is second to none. Heinie has some interesting ideas about custom gunsmithing. He feels that many people can learn the technical aspects, but what can't be learned is a total commitment to quality. A true custom smith, he says, won't let work out of the shop until it is the very best he can do.

He must become his own toughest critic, continuously trying to improve, for in today's competitive market to stop improving is to start falling behind. Heinie remarked, "I can look at the first guns I built and see flaws in them. I'm not ashamed of that, because that was the best I could do at the time. But I learned better, and I hope to keep on learning. Jim Garthwaite is one of the very few pistolsmiths I know who has the same attitude, which is why I was glad to show him some of the tricks of the trade."

The two gunsmiths are competitors, not business partners, though they work together on some designs such as the short-slide, coned barrel compensator system. But Garthwaite's guns aren't intended to be clones of Heinie's designs. For example, Heinie prefers a twin-port exhaust system on his compensators to provide maximum sight radius, while Garthwaite feels a single large port gives slightly better control of muzzle rise.

Garthwaite works only on Colt or Springfield Armory pistols. All work is done to order, whether it's a basic relia-

Continued on page 92

Custom pistolsmithing of America's classic autopistol, the Model of 1911, has been going on for a long time. One can classify the nature of this custom work into four eras.

The first occurred with the growth of bullseye shooting from the '30s through the '50s. Accuracy was the goal, and smiths such as J.D. Buchanan, George Elliason, John Giles and Frank Pachmayr found ways to build an astonishing level of accuracy into the old gun.

The second era came with the start of practical shooting competition, which emphasized complete reliability and fast handling. A wide range of modifications became popular (for example, extended safeties and checkered frames) which made the gun faster to use and easier to control.

The pingun and the Plaxco compensator ushered in the third era, in which pistolsmiths concentrated their efforts on making better and more efficient compensator systems.

Currently the technology and methods of building an accurate, reliable, and controllable competition pistol are well known, and in purely functional terms one custom 1911 is pretty much like another. It's becoming increasingly difficult to come up with really new ideas.

In order to differentiate their work and

showcase their abilities, the best pistolsmiths are putting more effort into detailing and the highest possible level of workmanship to make the gun more aesthetically pleasing.

This is the fourth era, in which craftsmanship raises a purely functional tool into a form of art.

Work at this level requires a combination of special skills: the precision technical skills of a master machinist, an artist's sense of line and proportion, and an iron self-discipline that accepts only the best as good enough. There will never be many people with this combination of talents.

One writer has suggested that there are no more than 10 such masters in America, and though I'd hate to try and pin it down that close, I think he's on the right track.

Jim Garthwaite is a young pistolsmith from Watsonstown, Pennsylvania. He began building competition guns in 1983, and already the quality of his work shows he belongs in the top ranks. Such rapid progress is unusual, but Garthwaite had a couple of advantages that have helped him develop his skills relatively quickly.

His family background is in precision machine work; his father was a machinist for 32 years, his grandfather a pattern maker, and he acquired from them an interest in precise metalwork and high quality workmanship.

His second advantage was the opportu-

Go for the GOLD!



A winning tradition. Legendary quality. Springfield Armory's gold medal pistols are winners, every one.

1911-A1 PISTOL

The Springfield 1911-A1 pistol is the choice of the world's top action shooters, including three time IPSC World Champion and six time USPSA National Champion Rob Leatham. Winners choose winners, and the Springfield 1911-A1 is "The Winners' Choice".

P9 DOUBLE ACTION PISTOL

The 9mm Springfield P9 is the premium quality version of the famed Czech CZ-75. With a high capacity fifteen-round magazine, slim profile grips, a selective double/single action that allows it to be carried "cocked and locked", and a superior fit and finish, the P9 is the "the best of the best". There's even two sizes—standard and compact—and a new LSP model (Long Slide Ported) that's ideal for competition. Want to be a winner at the 9mm game? Say "Czechmate", and the game is yours.

OMEGA 10MM PISTOL

The Springfield OMEGA was the first production pistol capable of effectively handling high performance 10mm ammunition. Optional .38 Super

and .45 ACP are also available, and dual extractors make interchangeability of calibers a reality. The Springfield OMEGA. It's the "Perfect Ten".

1911-A2 S.A.S.S.™

Springfield's patented design for an affordable, single shot tack driver is the perfect choice for hunting or metallic silhouette shooting. With interchangeable barrels in eight calibers and two different lengths, and a choice of either a complete S.A.S.S.™ pistol or a S.A.S.S.™ conversion unit for your own 1911-A1 frame, S.A.S.S.™ is the perfect choice—all in one shot.

See the complete line of Springfield Armory gold medal pistols and rifles at any Authorized Springfield Retailer. Or, send \$3 for our 1990 four-color catalog.

Safety and instruction manuals available from Springfield Armory. Always wear eye and ear protection when using any firearm. Use only factory recommended ammunition.

Ask your Authorized Springfield Retailer for details on Springfield's generous across-the-board warranty and service after the sale.

The Oldest Name In American Firearms
SPRINGFIELD ARMORY®

Section SR-28 ■ 420 West Main Street ■ Geneseo, Illinois 61254 ■ (309) 944-5631



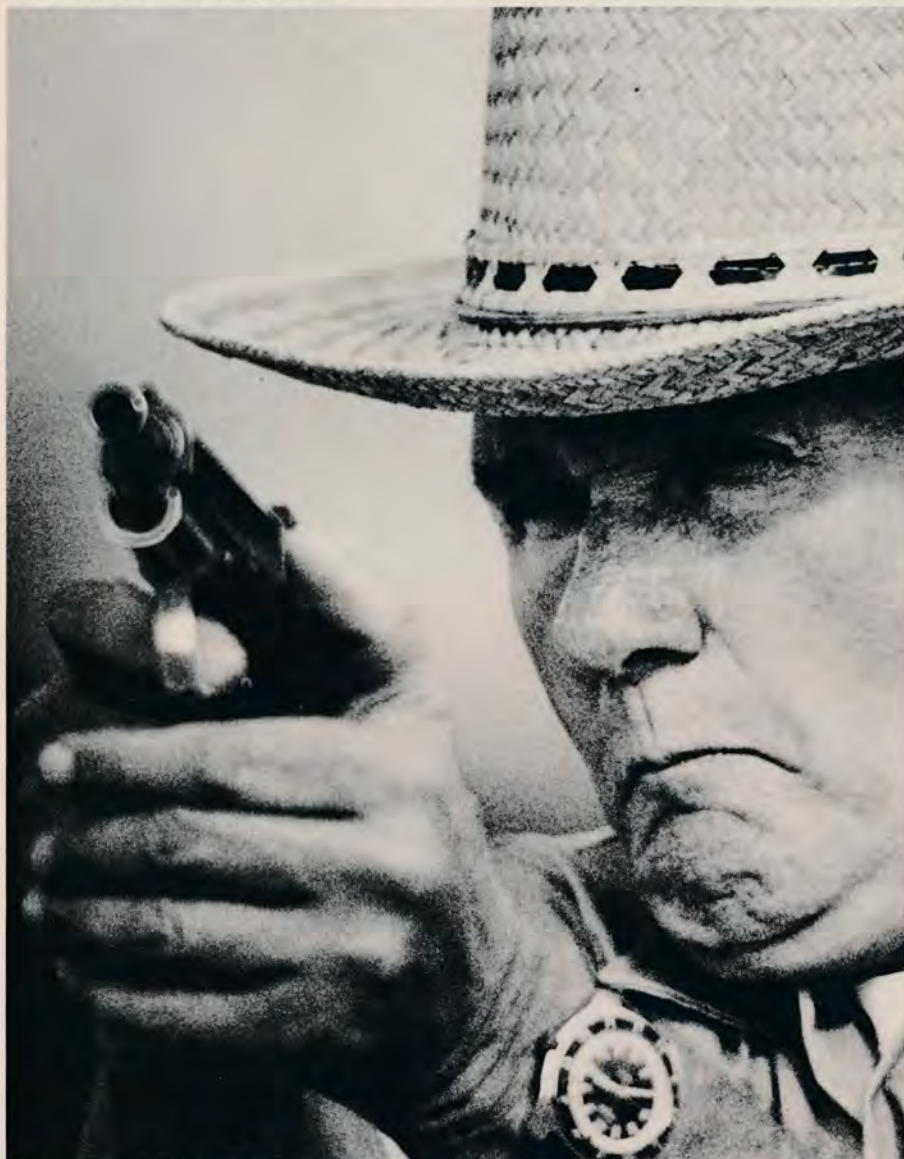
REFLECTIONS ON IPSC IN THE 80'S: GROWTH, CHANGE, DEVELOPMENT

The Eighties was an important decade in the growth of practical shooting.

The sport began in the mid-Fifties in California and expanded in popularity in the Southwest. From about the mid-Sixties on it became established throughout America and began to draw interest from other countries, culminating in the formation of the International Practical Shooting Confederation (IPSC) in 1976 with 14 nations represented.

Like any new organization, IPSC had some growing pains and considerable debate over its identity and direction (a debate which has never really ended).

But the basic soundness of IPSC principles and direction can be illustrated by the fact that it is now practiced in nearly 40 countries. Only Olympic-style (ISU) shooting has a wider representation, and considering the relatively few people who actually practice that sport, I think it's safe to say that IPSC is the most popular



Col. Jeff Cooper founded the International Practical Shooting Confederation in 1976 and remains today IPSC's Honorary Lifetime Chairman. There are nearly 40 nations across the globe that are members of IPSC. Col. Cooper established the eight principles of practical shooting that still set the tone for matches today.

form of competitive handgunning in the world today.

Expert Opinion

In reviewing the decade I listed my view of some of the highlights, then solicited opinions from two prominent competitors who have also been involved in IPSC throughout the decade.

Marc Halcon is director of the San Diego Firearms Academy, member of the Board of Directors for the United States Region of IPSC and winner of the coveted *Prix du President* at the 1986 U.S. National Championships. Marc has been involved in the administration of IPSC at every level, from club president to section coordinator to area director.

I also sought the opinion of well-known competitor J. Michael Plaxco who is a former national champion, U.S. Gold Team member, custom pistolsmith, and director of the Plaxco Academy. Mike is now a member of Team Smith & Wesson.

Skill Level Increases

One highlight is the increase in the level of shooting accomplishments.

Because IPSC has no fixed course of fire this can be a bit hard to measure, but fortunately we do have the classic *El Presidente* which has remained constant. This was originated by Jeff Cooper while training guards for the president of Guatemala (hence the name) around 1970, and was picked up as a standard course by the Australians.

It's a straightforward exercise, requiring only 12 rounds. Three targets are set 10 meters downrange. The shooter starts with his back to targets, hands above shoulders. On signal he turns, draws, fires two rounds at each target, reloads, and fires two more at each target.

"Par" is considered to be a perfect score (60 points) fired in 10 seconds for a hit factor (score divided by time) of six. Par is rated as 100 points.

(To get the par score; multiply the hit factor by 50 and divide by 3; for example, if a shooter scored 45 points in 15 seconds his hit factor would be 3, and his score would be 50.)

It's become customary to sneer at the "El Prez" because of tactical flaws (i.e. two rounds per target when there are multiple targets, reloading in full view of the targets) and as a training program it does have its faults. But as a simple, basic test of handgunning skills it is hard to beat.

When originally designed this course was thought to be impossible, but by the end of the Seventies the best shooters were scoring well over 100 regularly.

Cooper On The El Prez

In *The Complete Book of Shooting* (1982 edition) Cooper wrote "If you can fire a Presidente on demand at par you may be considered to be a competent pistol shot. If you can fire 120 on demand you may join anybody's first team."

Then in an interview with Jon Winokur (*American Handgunner*, March/April 1987) Cooper described what he considered some of the most phenomenal performances of all time.

He says, "I'll give you another example: they took Ross Seyfried, who's a great shot, and bought him a warehouse-full of ammunition and had him just shoot El Presidentes. He was under no pressure and he shot all afternoon.

"He finally shot a 59 in 6.2 seconds, which comes out to about 165 points, 65 points over par [actually 158.6 points]. He must have known that sooner or later, going as fast as he could, being a very fine shot—as I say, probably the best shot now shooting—he would get a record score."

Cooper doesn't say when this occurred, but since Seyfried won the world championship in 1981 and retired from competition in 1984, I assume it was in the early Eighties.



The IPSC target changed three times in the '80s from the Milpark to Florida 8 to Brussels. Shown is the Brussels.

So how does that relate to present scores? Well, a little while back I tried an El Presidente, shooting 52 points in 4.32 seconds, which works out to a score of 201. Is that a record performance?

Alas, by current standards it's not even close. I'm still 10 or 15% behind the really fast guys, just as I was in 1980.

Recently I was chatting with Mike Voight, one of the rising stars of IPSC, and Mike mentioned that in a local match he had shot a 57 in 4.28, which works out to a score of 222.

In practice, shooters like Voight, Angelo Spagnoli, Doug Koenig, and a few other master class competitors are running times in the 3.7 second range while dropping only 8 or 10 points.

Runs like these would come out to scores of 235-240. I would say that there are ten or a dozen shooters capable of scoring a 250—not always, and not on demand, but occasionally.

Such scores were unheard of a decade ago, and would have been unimaginable 20 years ago.

Better Shooters?

I don't think it can be claimed that

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.



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:

- I have enclosed full payment by check or money order. (\$74.00 total) U.S. Dollars only.
- Mastercard VISA U.P.S. C.O.D.

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



Shooting from behind cover, like this barricade, is part of IPSC's emphasis on simulating self-defense shooting scenarios. Major caliber auto pistols of Browning's 1911 design predominate in competition.

today's shooters are inherently better shots, though in an equipment-related sport it's hard to compare different eras.

(Take auto racing, for example, are Prost and Senna better drivers than Fangio and Nuvolari?)

Improved scores have resulted from a number of factors: better equipment, certainly. More shooters, therefore more good shooters. The wider availability of good instructors. And the development of the "pro-circuit" of matches, bringing the top shooters together regularly, improving both techniques and equipment.

Shooting equipment, both guns and holsters, underwent significant changes in the Eighties. Yet I believe that the two

most important equipment breakthroughs of the decade didn't involve either guns or holsters.

A Progressive Change

The most important innovation, in my opinion, was the availability of moderately priced, progressive reloaders. Only those who started out with single-stage machines can fully appreciate the progressives.

When I bought my first centerfire handgun in 1973 the only progressive machine was the Star, then as now a superb reloader, but it cost as much as two Colt Gold Cups or Pythons.

When the Dillon RL-300 came out it

seemed like a bargain at \$365, but when the updated model RL-450 became available factory direct for only \$185 it seemed like nothing short of a miracle.

They say Henry Ford put a car in every garage. Well, Mike Dillon put a progressive loading machine on every loading bench. There are some fine competitive models— Lee, Hornady, and RCBS all make very good, reasonably priced progressives— but I'd be willing to bet that there are more Dillons in use than all others combined.

It's hard to overestimate the impact this had. To improve you must shoot, to shoot you must reload.

I can remember when loading 300 rounds meant three hours of work, processing those same damn cases over and over. With my much-loved Dillon RL-1050 I can load 300 rounds in 10 or 15 minutes. Ah, bliss.

Time Marches On

The second major technological innovation was the electronic timer. Before these timers came along range officers had to time courses with a stopwatch; starting the watch simultaneously with the start whistle, and stopping when the shooter signaled he was through by knocking a can off a post with his hand, or shooting a stop plate.

Obviously the possibility of error was large. The new timers were accurate to two decimal places and eliminated this source of error.

Those of us who were involved in designing courses of fire could have cried for joy when the timers came along. No more "engage Targets One to Three with two rounds each then shoot stop plate" instructions to drive the revolver shooters crazy.

Timers are equally valuable in training. Speed and accuracy are equally important in IPSC— as one of the ads correctly states, practice without a timer is like practice without a target.

Computer wizards Ron Bailey (Competition Electronics) and Ronin Colman (PACT) offer high quality, reasonably priced timers. Top of the line models also provide chronograph capabilities, and unless you already have a chronograph these are much the best buy.

Currently I'm using a PACT Mk.III which is just loaded with useful features— par time, keyed beeps, benchmark beeps, 32 character display, full chronograph features, and an accessory printer to help in keeping up a practice log. I can't praise it too highly.

Attack Of The Pingun

In 1980 John Shaw won the Nationals with a Clark Pingun in .45 ACP. It's an indication of the basic soundness of the 1911 pistol that the same gun would be quite competitive today.

About the only noticeable differences between the 1980 gun and a current full-

IN STOCK FOR IMMEDIATE DELIVERY!

The **FINALIST**™ By C.T. Brian



FEATURES:

- New Colt Government .45 ACP
- INTERPHASE II Compensator System
- Bo-Mar Sights
- Ejection Port Lowered & Flaired
- Barrel Throated & Feed Ramp Polished
- Skeletonized Commander Hammer
- Trigger Job
- Competition Trigger
- Beavertail Grip Safety
- Oversize Magazine Release Button
- Extended Thumb Safety
- Beveled Magazine Well
- Hogue Grips
- Padded Carry Case
- Bumper Pad On Magazine

The **FINALIST** is Available Exclusively From:
F.J. VOLLMER & CO.

#3 Towanda Rd. • Bloomington, IL 61701
1-800-447-8368 or 1-309-663-9494
Ask for Rob • Trades Welcome!

For Catalog of Complete Services, Send \$2.00 To:
C.T. BRIAN PISTOLS/SMITHING
1101 Indiana Ct. • Decatur, IL 62521
Phone: 217/429-2290

race model would be the expansion chamber comp, the mag chute, and the smaller hole in the barrel.

For awhile there was debate over which was better, the heavy barrel weight alone or the expansion chamber. But after Mike Plaxco won the Nationals in '82 with an expansion chamber design which he pioneered, the debate was pretty much over.

Mag chutes, like the popular Smith & Alexander unit, are a worthwhile improvement, making reloads faster and more consistent.

The switch from .45 ACP to .38 Super by top shooters came as a bit of a surprise, but in retrospect it was only logical.

The minimum bullet diameter allowed by IPSC rules is .355". Any cartridge with a larger diameter than that will have more torque and lesser magazine capacity, so the ideal IPSC cartridge is one that shoots .355" bullets and has just enough power to make major. That's what the .38 Super does.

Mike Plaxco comments, "One of the first things we learned was how to make the guns run reliably while firing thousands of rounds of full-power loads."

When the Supers first came out it took a while to achieve the same degree of reliability as the .45's, but with fully supported chambers with one-piece feed ramps, and better brass, the problems seem to have been solved.



Ross Seyfried won the IPSC World Championship in 1981 with a Colt .45 auto, sans compensator. Today's guns are far more radically customized.

more self-defense oriented types into an absolute frenzy, and much thought was put into ways to ban such rigs while still allowing more practical (i.e., concealable) crossdraw holsters.

At one time a rule was suggested that would disallow any equipment worn between two imaginary lines extending vertically through the nipples. One objection to this was that anyone who really wanted to use such a rig could always have one nipple surgically removed. (I'm not making this up.)

Fortunately the proposal wasn't adopted and IPSC was spared the ignominy of being the only shooting sport with a "nipple rule."

Course designers solved the problem by having shooters start from a variety of hand positions; hands at side, hands above shoulders, holding a grocery bag, writing, holding a steering wheel.

Competitors found that a strong side, muzzle vertical carry gave the best access under the widest range of circumstances.

Holsters Improve

Crossdraw holsters were the rage at the start of the decade. That's because it was common then to have the shooter start each stage from the "IPSC hand-clasp" position, that is, with the hands clasped in front of the body.

These "bellybutton" rigs drove the

A Fierce Battle

Ten years ago competition holsters from Bianchi, Blocker, Davis, Horseshoe Leather, Rogers, and Sparks were all popular. Ernie Hill Speed Leather first appeared in the mid-Eighties with a combination of superb design and quality that virtually took over the market.

Many of the other makers have simply



COMBAT CORNER

SEND FOR FREE CATALOG NOW

PARTS & ACCESSORIES FOR PRACTICAL PISTOL

ED BROWN PRODUCTS

Beavertail Grip Safety Blue.....	\$29.00
Beavertail Grip Safety SS.....	31.00
Match Commander Hammer Blue.....	32.00
Match Commander Hammer SS.....	35.00
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.....	29.00
Maxi-well SS.....	31.00



Dealer Prices on all Combat Corner Products and Wilson 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
Davis Competitive Edge Holster.....	82.00
Hill 1DM Mag. Pouch.....	38.00

ORDER BY FAX! 24 HOUR SERVICE (716) 672-4218

Hill #134 Comp. Belt.....	50.00
Breskovich Advgt. Grip System.....	51.00
Swenson Ambidextrous Safety.....	50.00
Swenson Amb. w/Thumbshield.....	70.00
Wilson #66 Beavertail Sfty (B/SS).....	23.95
King #206 Wide Spur Grip Sfty(B/SS)...	25.00
Wilson Drop-in LE-K Comp. Kit .45	250.00
Clark Pinmaster Compensator .45	270.00
Wichita Combat Rear Adjust. Sight	60.00
Bombar BMCS Rear Sight	59.00
Wilson #251 10RD. 38 Super Mag.....	28.95

Wilson #47 DE 8 RD.. .45ACP Mag.....	28.95
Wilson Commander Hammer #95.....	26.95
Wilson Extended Ejector #34.....	20.95
Wilson Adjustable Trigger #1.....	16.50
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 Hammer (NASTOFF)	75.00
McCormick Sear	22.00
McCormick Carbon Fiber Trigger	28.00

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

abandoned the competition market as a result of Ernie Hill's unbeatable quality to concentrate on police, concealment, and utility models.

One maker who didn't concede the competition market to Hill was Safariland, who acquired Rogers Leather in 1985. Rogers holsters were already very popular for their sound design and lightweight, plastic laminated construction. Bill Rogers continues to design holsters for Safariland.

Mike Plaxco notes, "Early Safariland designs were really ahead of their time. I remember about 1980 or '81 we used to take their Sight-Track models, cut down the front, and add a tension screw."

Plaxco also speaks highly of the design



Age 18 with first money won in a match, \$200!

Age 13 with dad's Model 29 .44 Magnum

ROB LEATHAM, Shooter Of The Decade

Age 23 after winning his first of six IPSC national championships

abilities of Bill Rogers, pointing out the "Lock Block" system on the Safariland 008 model as an example of a neat, simple, and reliable method of retaining the gun while allowing a fast draw.

While we've been fortunate to get some brilliant designs from Ernie Hill and Bill Rogers, it's a pity we aren't seeing some new models from some of the other makers.

It's true that the competition market isn't all that big compared to, say, the police market, but it serves as a good testbed for new ideas, and the favorable publicity from a winning design would seem to be a worthwhile attraction.

Industry Support

Marc Halcon comments that the thing that most impressed him about the decade was the growth of an entire industry based on practical shooting and the similar action shooting sports.

Reloaders, timers, custom guns and holsters are some examples. Others include gear bags, cast bullets by the ton, designer shooting glasses, electronic ear muffs.

Cottage industries sprang up to offer every conceivable special part and acces-



Age 18 with first money won in a match, \$200!

Age 13 with dad's Model 29 .44 Magnum

ROB LEATHAM, Shooter Of The Decade

Age 23 after winning his first of six IPSC national championships



sory that could possibly attach to a Government Model. Bill Wilson pioneered the concept and his entrepreneur savvy catapulted Wilson's Gun Shop into a \$2 million a year business selling nothing but "combat .45" parts.

Chip McCormick Corp. made a business out of magazines, and Smith & Alexander helped you put them in.

Shooting academies sprouted up overnight. Jokes like, "You won a match, when're you opening a school?" soon became cliches.

"I don't think anyone anticipated that IPSC would become such a major shooting sport," Halcon noted.

Plaxco agrees. "In the last few years we've seen big corporations recognize that IPSC is a major sport." As evidence he points to the appearance of factory-

sponsored teams, such as those from Springfield Armory, and more recently, Smith & Wesson.

IPSC Principles

While this is likely to be a growing trend, Marc Halcon cautions that industry support can be a two-edged sword. IPSC, as its principles clearly state, recognizes that the practical purpose of a handgun is personal protection.

Some people just get horrified at the thought of someone actually being concerned over protecting his life—columnist Carl Rowan is a good example.

So despite the fact that IPSC is obviously a sport in the same sense that Olympic fencing is a sport, it will always draw some criticism.

Halcon is concerned that there may be pressure from sponsors to change the sport to make it more "socially acceptable."

While industry support is welcome, IPSC has succeeded, and will continue to grow, with or without such support. That's because it is based on sound principles, it is a tremendously challenging sport, and the skills developed relate to reality.

If companies are looking for innocuous sports to support they already have plenty to choose from, from bullseye to silhouette to action shooting to speed shooting.

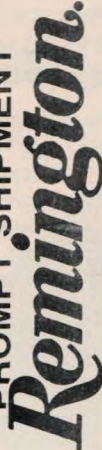
(I can't help noting that none of these sports are exactly thriving, while IPSC matches, often with far smaller prizes, are turning competitors away because they're over booked.)

As one senior IPSC administrator told me, "We get criticized by fringe groups from one side who say we're too concerned with realism, and from groups on the other side who say we aren't concerned enough. That's a pretty good indicator that we're on the right track."

Rules & Guidelines

Plaxco says, "In its initial years IPSC

SHIPPING (UPS) PAID
(PRICES ARE DELIVERED)
PROMPT SHIPMENT



HANDGUN BULLETS

CALIBER AND TYPE (REMINGTON)	100	250	500	1000
25 ACP 50 GR. FMJ	5.00	11.00	21.00	39.00
32 AUTO 71 GR. FMJ	5.25	12.50	24.00	43.50
380 AUTO/9MM 88 GR. JHP	6.00	13.50	26.00	48.50
380 AUTO/9MM 95 GR. FMJ	5.25	12.50	23.00	43.00
9MM 115 GR. FMJ	6.25	14.00	26.50	50.00
9MM 115 GR. JHP	6.50	15.50	28.50	53.50
9MM 124 GR. FMJ	6.25	14.25	27.50	51.50
38 CAL. 148 GR. HBWC LEAD	4.75	11.25	21.00	36.50
38-357 158 GR. SWC LEAD	5.00	11.75	21.50	37.00
38-357 125 GR. JHP	6.25	14.00	27.00	50.00
38-357 125 GR. SOFT POINT	6.50	14.50	27.50	51.00
38-357 140 GR. JHP	6.75	16.00	29.00	54.50
38-357 158 GR. JHP	7.50	17.00	32.50	61.00
38-357 158 GR. SOFT POINT	7.75	17.50	33.00	62.00
38 SUPER 130 GR. FMJ	6.50	14.25	27.50	51.50
41 CAL. 200 GR. JHP	9.50	22.50	41.00	77.00
41 CAL. 210 GR. SOFT POINT	9.75	23.00	42.25	79.00
44 CAL. 180 GR. JHP	9.25	21.50	40.50	76.00
44 CAL. 240 GR. JHP	10.50	24.00	46.00	85.50
44 CAL. 240 GR. SOFT POINT	11.00	25.00	47.00	87.00
44-40 200 GR. SOFT POINT	10.25	23.50	44.50	83.00
45 ACP 185 GR. SWC (JACKETED)	10.00	23.00	44.00	82.00
45 ACP 185 GR. JHP	10.00	23.00	44.00	82.00
45 ACP 230 GR. FMJ	10.25	24.00	45.00	84.00

HANDGUN BRASS

CALIBER AND TYPE (REMINGTON)	100	250	500	1000
25 AUTO	8.25	18.50	35.00	65.50
32 AUTO	8.50	19.50	36.25	67.50
32 SAW LONG	8.50	19.50	36.25	67.50
380 AUTO	9.00	20.25	38.00	70.75
38 SUPER + P (BRASS)	9.25	21.00	38.50	72.00
38 SUPER + P (NICKEL)	9.75	23.00	42.00	77.50
357 MAXIMUM	11.00	25.00	50.00	89.00
41 MAGNUM	13.00	29.25	55.75	103.25
44 SPECIAL	13.00	29.25	55.75	103.25
44-40 WIN	13.25	31.25	61.25	111.50
45 ACP	11.75	27.00	50.25	93.50
45 LONG COLT	12.50	29.25	54.25	101.00
30 CARBINE	10.75	22.50	41.25	74.00
10MM (CALL FOR AVAILABILITY)	12.75	30.00	54.75	105.00

RIFLE BULLETS

CALIBER AND TYPE (REMINGTON)	100	250	500	1000
17 REM. 25 GR. PLHP	6.75	16.25	29.50	51.75
22 HOR. 45 GR. S-PT	6.75	16.25	28.50	53.00
22 HOR. 45 GR. H-PT	6.75	16.25	28.50	53.00
22 CAL. 50 GR. PLHP	7.00	16.50	29.25	54.50
22 CAL. 55 GR. PLHP	7.25	17.00	31.00	57.75
22 CAL. 55 GR. PSP-WC	5.50	13.00	25.25	46.00
6MM-243 80 GR. PSP	7.75	17.75	32.75	61.00
6MM-243 80 GR. PLHP	9.50	21.75	39.75	74.25
6MM-243 100 GR. PSP-CL	8.75	20.50	37.00	69.50
6MM-243 100 GR. PLHP	8.75	21.25	39.50	69.75
25 CAL. 87 GR. PLHP	8.75	20.50	37.25	69.50
25 CAL. 100 GR. PSP-CL	9.50	22.00	40.25	75.50
25 CAL. 120 GR. PSP-CL	9.50	22.00	41.00	76.25
270 130 GR. PSP-CL	10.25	23.75	44.00	82.25
7MM 150 GR. PSP-CL	10.50	24.50	45.50	84.00
7MM 165 GR. PSP-CL	11.00	25.25	47.00	88.00
7MM 175 GR. PSP-CL	9.75	22.75	42.25	79.25
30-30 150 GR. RNSP	10.50	24.25	44.75	83.50
30-30 170 GR. RNSP	10.50	24.00	45.00	84.00
30 CAL. 125 GR. PSP-CL	10.00	23.50	44.00	82.00
30 CAL. 150 GR. PSP-CL	10.50	24.75	45.50	85.00
30 CAL. 165 GR. PSP-CL	11.25	25.50	47.75	89.50
30 CAL. 180 GR. BRZ-PT	15.25	35.50	65.25	122.00
30 CARB. 110 GR. FMJ	7.50	17.00	32.75	61.50
30 CARB. 110 GR. S-PT	10.00	19.75	35.50	66.50
32-20 100 GR. JHP	13.50	32.75	61.50	115.00
45-70 300 GR. S-PT	15.00	34.75	65.75	123.00
45-70 405 GR. S-PT	11.00	25.50	48.00	89.75
8MM 170 GR. SP-CL	11.00	25.00	47.00	88.00
8MM 220 GR. SP-CL	12.75	30.00	54.75	102.50

RIFLE BRASS

CALIBER AND TYPE (REMINGTON)	100	250	500	1000
17 REMINGTON	20.50	47.50	87.25	162.00
6.5 REM. MAG.	27.25	62.00	116.00	220.00
7MM BR (BENCHREST)	29.75	66.50	127.00	241.00
7MM MAUS (7X57)	23.00	52.50	98.50	185.00
7MM REM. MAG.	27.25	62.50	117.00	222.00
7MM-08	22.75	51.50	97.50	182.00
8MM MAUS (8x57)	23.00	52.50	98.00	184.00
8MM REM. MAG.	30.25	68.00	129.75	247.00
250 SAVAGE	22.75	51.50	97.50	182.00
25-20 WIN.	12.50	29.50	52.75	98.00
25-06 REM.	23.00	52.50	98.50	185.00
257 ROBERTS	21.00	48.50	89.75	163.00
264 WIN. MAG.	26.00	60.50	112.00	212.00
280 REM.	23.00	52.50	98.50	185.00
300 WIN. MAG.	29.25	62.00	125.00	237.00
300 SAVAGE	23.00	52.50	98.50	185.00
30-30 WIN.	19.75	46.50	88.00	164.00
30-40 KRAG	20.00	46.00	85.00	159.00
303 BRITISH	21.50	48.50	92.25	173.00
308 WIN.	18.50	41.75	78.75	142.00
32 WIN. SPL.	12.50	28.50	53.00	99.00
338 WIN. MAG.	28.50	64.00	121.50	230.00
35 REM.	22.75	51.25	97.25	182.00
35 WHELAN	23.00	52.50	98.50	185.00
35 H&H MAG.	30.25	72.50	141.50	270.00
444 MARLIN	30.25	60.00	115.75	218.00
45-70 GOVT.	30.25	66.75	129.00	238.00
458 MAG.	33.00	69.25	141.00	277.00

RIFLE/HANDGUN BULLETS

CALIBER AND TYPE (WINCHESTER)	100	250	500	1000
224 DIA. 55 GR. FMJ	4.25	10.00	18.00	33.00
30 CAL. 147 GR. PSP	5.50	13.00	25.25	46.00
30 CAL. 147 GR. FMJ	9.50	22.00	41.25	76.00
X 30 CAL. 150 GR. POWER POINT	10.00	23.50	44.00	82.00
380 AUTO 95 GR. FMJ	5.25	13.50	25.00	43.00
9MM 115 GR. FMJ	6.00	14.25	25.50	48.00
9MM 124 GR. FMJ	6.25	15.50	27.50	51.50
38-357 110 GR. JHP	6.00	13.50	25.50	48.00
38-357 125 GR. JHP	6.25	14.00	27.00	50.00
38-357 158 GR. JHP	7.50	17.00	32.50	61.00
45 ACP 230 GR. FMJ	9.75	23.00	43.00	80.00

WINCHESTER

SPECIAL BULLET CASE LOT PRICES

CALIBER AND TYPE (WINCHESTER)	CASE QTY	PRICE (PRICE/M)
224 DIA. 55 GR. FMJ	5000	151.00 (30.20)
30 CAL. 147 GR. PSP	7640	198.00 (39.01)
30 CAL. 147 GR. FMJ	2860	206.00 (69.23)
30 CAL. 150 GR. POWER PT.	2800	195.00 (69.64)
380 AUTO 95 GR. FMJ	4430	172.00 (38.83)
9MM 115 GR. FMJ	3660	161.00 (43.99)
9MM 124 GR. FMJ	3390	158.00 (46.61)
38-357 110 GR. JHP	3820	165.00 (43.19)
38-357 125 GR. JHP	3360	154.00 (45.83)
38-357 158 GR. JHP	2660	147.00 (55.26)
45 ACP 230 GR. FMJ	1830	133.00 (72.68)

ALSO AVAILABLE: WINCHESTER PRIMERS, HORNADY BULLETS, AND VARIOUS BRANDS OF POWDER. PLEASE CALL FOR SPECIAL PRICES AND QUANTITIES.

RIFLE BRASS

CALIBER AND TYPE (WINCHESTER)	100	250	500	1000
22 HORNET	12.25	25.50	46.00	88.00
223 REMINGTON	14.75	34.50	60.50	109.00
232 REMINGTON	16.25	37.00	65.50	122.00
22-250 REMINGTON	18.00	41.75	76.75	142.00
220 SWIFT	22.25	51.00	95.00	172.00
6MM REMINGTON	21.00	46.50	89.75	163.00
237 WINCHESTER	18.75	43.50	80.00	148.00
257 ROBERTS	SEE REMINGTON RIFLE BRASS			
270 WINCHESTER	19.75	47.00	84.00	155.00
30-30 WINCHESTER	16.50	39.00	71.00	124.00
30-06 SPRINGFIELD	20.25	48.50	86.50	159.00
FACTORY PRIMED (WINCHESTER)	23.75	54.00	99.00	184.00
308 WIN. FACTORY PRIMED	19.75	44.75	81.50	153.00
22-250 FACTORY PRIMED	19.75	44.75	81.50	153.00

DISCOUNT AMMO CACHE
P.O. BOX 1332, RAPID CITY, SD 57709
605-342-2449
BUSINESS HOURS: 8:30 AM TO 5:30 PM (MOUNTAIN TIME) MON-FRI
NO FFL REQUIRED

RIFLE/HANDGUN BULLETS

CALIBER AND TYPE (WINCHESTER)	100	250	500	1000
224 DIA. 55 GR. FMJ	4.25	10.00	18.00	33.00
30 CAL. 147 GR. PSP	5.50	13.00	25.25	46.00
30 CAL. 147 GR. FMJ	9.50	22.00	41.25	76.00
X 30 CAL. 150 GR. POWER POINT	10.00	23.50	44.00	82.00
380 AUTO 95 GR. FMJ	5.25	13.50	25.00	43.00
9MM 115 GR. FMJ	6.00	14.25	25.50	48.00
9MM 124 GR. FMJ	6.25	15.50	27.50	51.50
38-357 110 GR. JHP	6.00	13.50	25.50	48.00
38-357 125 GR. JHP	6.25	14.00	27.00	50.00
38-357 158 GR. JHP	7.50	17.00	32.50	61.00
45 ACP 230 GR. FMJ	9.75	23.00	43.00	80.00

WINCHESTER

SPECIAL BULLET CASE LOT PRICES

CALIBER AND TYPE (WINCHESTER)	CASE QTY	PRICE (PRICE/M)
224 DIA. 55 GR. FMJ	5000	151.00 (30.20)
30 CAL. 147 GR. PSP	7640	198.00 (39.01)
30 CAL. 147 GR. FMJ	2860	206.00 (69.23)
30 CAL. 150 GR. POWER PT.	2800	195.00 (69.64)
380 AUTO 95 GR. FMJ	4430	172.00 (38.83)
9MM 115 GR. FMJ	3660	161.00 (43.99)
9MM 124 GR. FMJ	3390	158.00 (46.61)
38-357 110 GR. JHP	3820	165.00 (43.19)
38-357 125 GR. JHP	3360	154.00 (45.83)
38-357 158 GR. JHP	2660	147.00 (55.26)
45 ACP 230 GR. FMJ	1830	133.00 (72.68)

ALSO AVAILABLE: WINCHESTER PRIMERS, HORNADY BULLETS, AND VARIOUS BRANDS OF POWDER. PLEASE CALL FOR SPECIAL PRICES AND QUANTITIES.

RIFLE BRASS

CALIBER AND TYPE (WINCHESTER)	100	250	500	1000
22 HORNET	12.25	25.50	46.00	88.00
223 REMINGTON	14.75	34.50	60.50	109.00
232 REMINGTON	16.25	37.00	65.50	122.00
22-250 REMINGTON	18.00	41.75	76.75	142.00
220 SWIFT	22.25	51.00	95.00	172.00
6MM REMINGTON	21.00	46.50	89.75	163.00
237 WINCHESTER	18.75	43.50	80.00	148.00
257 ROBERTS	SEE REMINGTON RIFLE BRASS			
270 WINCHESTER	19.75	47.00	84.00	155.00
30-30 WINCHESTER	16.50	39.00	71.00	124.00
30-06 SPRINGFIELD	20.25	48.50	86.50	159.00
FACTORY PRIMED (WINCHESTER)	23.75	54.00	99.00	184.00
308 WIN. FACTORY PRIMED	19.75	44.75	81.50	153.00
22-250 FACTORY PRIMED	19.75	44.75	81.50	153.00

PRODUCT SHOWN ARE COMPONENTS ONLY NOT LOADED AMMO
PRICES SUBJECT TO CHANGE WITHOUT NOTICE

HANDGUN BRASS

CALIBER AND TYPE (WINCHESTER)	100	250	500	1000
9MM	9.00	20.75	38.00	71.00
38 SPECIAL	9.00	20.00	37.75	70.00
357 MAGNUM	9.00	20.50	38.75	72.00
44 MAGNUM	12.25	28.25	53.50	99.50
45 ACP	11.75	27.00	50.25	93.50

WINCHESTER

★ STARLINE 10MM UNPRIMED BRASS
PER 100-10.50 PER 250-2

was looking for an identity. In the '80s it developed a philosophy of shooting and competition that's reflected in its rules and guidelines."

IPSC was recognized as a sport, not combat training; yet it's not "just" a sport, for it is based on situations that could occur in the real world.

Nick Alexakos, who served as IPSC Vice-President and chairman of the rules committee for most of the decade, was primarily responsible for the evolution of the rules.

As IPSC grew, the rules necessarily grew as well, to cover unforeseen situations.

Range Officers

As the sport became bigger and more complex, with prestige and money riding on the outcome of matches, the role of the range officer became more important and more difficult.

Most regions, including the US, started programs to train range officers and ensure that qualified officials were available to run matches.

In 1988 the International Range Officers Association (IROA) was established by the world body to set standards, provide training material, and assist regions in setting up their own programs where needed.

Range officers take as much pride and satisfaction in doing their job well as shooters do in shooting a good match, and

rightly so. The best and most experienced officials are in demand to help design and run matches and to train new officers.

Administrative Growth

At the world level, Jean-Pierre Denis of Belgium was elected president and got IPSC organized on a sound financial and administrative basis.

Prior to that the organization was chronically starved for funds, with regions paying their affiliation dues late or not at all. The world body is still far from rich, but at least it's able to do its job of communicating with and assisting the regions.

Here in America, Dave Arnold and Dave Churilla founded the United States Practical Shooting Association (USPSA) and helped put the US Region on sound footing. USPSA director John Sayle drafted a proper constitution.

Women And IPSC

From 1979 to 1989, the total number of shooters at the U.S. nationals doubled, while the number of women in the match increased by a factor of six.

The increasing number of women and the high standards of ability they demonstrate is a very positive trend, indicative of a growing interest by women in firearms and the shooting sports.

My 11-year-old daughter Andrea says her heroes include Olympic-medalist

skater Elizabeth Manley; rock singer Paula Abdul; and current U.S. and world IPSC champion Debby James.

She takes figure skating and music lessons, but she also shoots very well and plans to take lessons from Debby someday. I can hardly imagine that kind of interest appearing 10 years ago.

Over the past few months I've talked to some of the top women shooters to get their views on how to bring even more women into the sport. It's an important topic that deserves a full column of its own.

Courses Of Fire

Sometimes I come across an article or letter in which the writer says "IPSC courses aren't practical anymore, not like in the good old days."

I know immediately the writer is someone who hasn't been involved in the sport for a long time, if ever. There are still good and bad stages, as always, but the overall trend is certainly improving.

We don't do much climbing over six-foot walls, swinging over alligator ponds, or crawling through tunnels any more. Current courses are usually based on realistic scenarios.

Yes, some could stand improvement, but designers are trying and generally doing very well. The 1989 US Nationals had a very good course of fire, much better than those of the Seventies and early Eighties.

The Shooting Press

American Handgunner is the only national gun magazine that has supported and promoted IPSC competition since it started.

Some of the other magazines ignored the sport for years, until it got too big to ignore any longer, at which time they turned around and began carrying on as though they had invented it.

To tell the truth I'm a gun-magazine junkie; I buy them all and find something to like in them all, and the more IPSC coverage the better.

Still, I'm glad that the *Handgunner* was covering IPSC when IPSC wasn't cool.

This magazine has consistently covered the accomplishments of women competitors as well, and in 1979 began running a column by PPC champion Lucy Chambliss—the first time, I believe, that a national gun magazine has had a women columnist. Jerry Rakusan, editorial director for many years and now retired, deserves credit for being ahead of his time in his policies.

Decade's Top Competitors

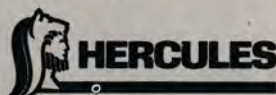
To make an estimate of the top 10 shooters I took the results of the four world championships held in the Eighties, then took each shooter's two best placings and added them. (For example, a shooter places 4th, 6th, 10th, and 18th—his rating would be 10).

Continued on page 68

CLEAN-BURNING BULLSEYE

With Hercules Bullseye®, clean burning is more than a promise. Bullseye®, consistently the #1 powder for pistol and revolver target shooting... with those who know. Bullseye's clean burning is a welcome bonus—with super-accuracy,

minimum charge weights and less recoil. Magnum owners choose Hercules Blue Dot® for silhouette shooting. Hercules Unique® is the all-purpose choice for handgun versatility. Your enjoyment of the sport is our target. For a free copy of *Hercules Reloaders' Guide*, see your dealer, or write: Hercules Incorporated, Product Information, Hercules Plaza, Wilmington, DE 19894.



HERCULES SMOKELESS POWDERS
NOW BACK ON
DEALERS' SHELVES!

CUSTOMIZE YOUR 1911 STYLE AUTO

with WILSON COMBAT "Champion-Proven-Precision" Accessories. . .

#299 WILSON COMBAT Deluxe Commander Hammer. Quality manufactured from chrome moly steel heat treated to exact specifications. Features large slotted spur, sides narrowed, hammer hooks cut to .020"-.022" with deluxe finish. Strut pin hole has been relocated to aid in obtaining a crisp and light trigger pull.

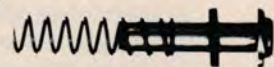
NEW

#124GNS WILSON COMBAT ACCU-COMP "LE-K" Drop-in Compensator Kit. Features stainless match barrel and bushing (cut to "drop-in" hood & lug spec.) and the famous ACCU-COMP "LE-K" compensator. Available in govt. model .45 ACP only.

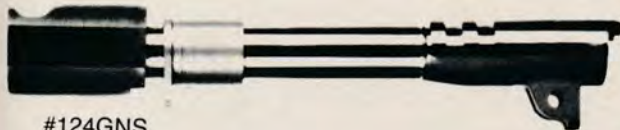
#147 WILSON COMBAT Practical Shooters Bag. This deluxe shooters bag features removable padded pouches to accommodate 4 handguns with various other compartments for misc. shooting gear, includes shoulder strap. Mfg. from black nylon with silver WILSON logo.



#299



#2B



#124GNS



#47/#47D



#147

#2B WILSON COMBAT SHOK-BUFF® Frame Buffers, pkg. of 6. Insist on the one and only PREMIUM frame buffer, the "ORIGINAL" SHOK-BUFF®. Wilson SHOK-BUFFS® are mfg. by the expensive injection moulding process, not a simple die cut part like various copies on the market.



#192B/#192S

WILSON-ROGERS Stainless Match Magazine, featuring synthetic "NO BIND" follower, removable base for easy cleaning and long life/crack resistant body. Absolutely the finest .45 auto magazine on the market. #47 .45 ACP 7 rd., #47D .45 ACP 8 rd.

NEW

"RE-DESIGNED" Base Pad.

#192 WILSON COMBAT Ambidextrous Speed Safety. Positive gun handling and safety manipulation when shooting either strong or weak handed. Features extended, wide serrated lever on each side. Available in blue or stainless finish.

See the complete line of *Wilson* handgun accessories at your local gun dealer or send \$3.00 for our complete 56 pg. four-color catalog.

The \$3.00 will be credited to your first order.



Rt. 3, P.O. Box 578-A
Berryville, AR 72616
PH 501-545-3611

HANDGUNNING HINTS

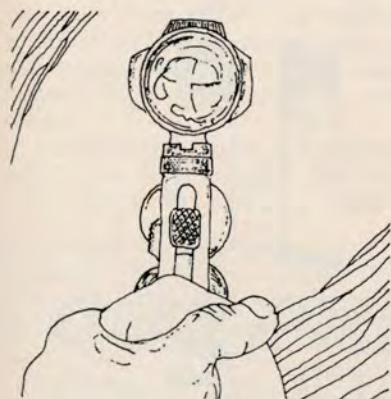
Bennett Viken and Robin Sutton

Shooter Stability

1. A steady sight picture is important in aiming your gun and hitting your target. And the greater the distance to your target, the more important the steadiness of that sight picture becomes. To maintain a steady sight picture, you must anchor yourself to the terrain, thereby overcoming the tics and movements of tense muscle and tendon.



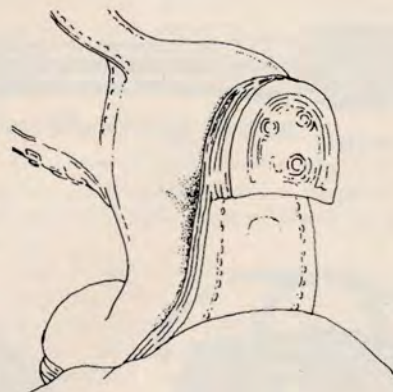
2. Settle the gun into position first so that it is in the proper firing position, and then fall away from it to find your own anchor points in the terrain.



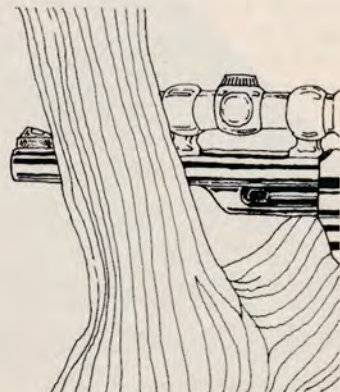
3. The more anchor points you can establish, the less stress from muscle quiver and fatigue will distract you. Choose anchor points that you can grip and brace yourself against.



4. Because no position is perfect, you will not be able to find anchor points for all parts of your anatomy. A good foothold is as valuable in the recline-towards-prone position as it is when you stand to shoot on the firing range.



5. Most important — *remember that gun rest!* It is your prime anchor point, and it can also serve as a primitive swivel mount for any adjustments in elevation and windage.



UNCLE MIKE'S[®]
by Michaels of Oregon

Custom Grade
MOLDED
GRIPS

Now you can have it all... the comfort and performance of fine custom grips but with the advantages and low price of molded grips. Put a pair of "Uncle Mike's" new Custom Grade Molded Grips on your handgun and feel the difference in control, accuracy and recoil.

We've tapped the craftsmanship of one of the industry's finest custom grip makers, Craig Spegel, and have faithfully reproduced his work in precise detail. For shooters who want to improve the comfort, style and performance of their handguns, these Custom Grade Grips reflect Spegel's artistry and knowledge of handgun shooting.

They're molded of tough, durable, specially formulated elastomer that's both lighter and firmer than ordinary rubber grips.

"Uncle Mike's" styled these grips for shooting. The design of each stock assures maximum hand-to-grip contact and natural, instinctive aiming. Finger grooves on double action revolvers and

Colt autos are just deep enough for a good grip.

The superb hand-checkering carved into the masters is copied exactly through the precision of injection molding. All grips have a rigid insert, and all revolver models cover the backstrap for extra recoil protection. As a final touch,

because these are true reproductions of custom stocks, you'll find no logos or advertising on the outside of any "Uncle Mike's" grips... identification is only on the inside surfaces.

Ask your dealer to see "Uncle Mike's" Custom Grade Grips and feel the difference on your Ruger, Smith & Wesson, Beretta, Colt, SIG or Taurus.



Feel the Difference!

UNCLE MIKE'S[®]
by Michaels of Oregon

MAKING GOOD GUNS BETTER[®]



QD[®] Swivels Leather & Nylon Slings SIDEKICK[®] Holsters & Accessories Gun Cases Molded Handgun Grips Recoil Pads Hunting Gear QD[®] Scope Covers Black Powder Accessories Police Products

Send \$2 for a 40-page full-color catalog to "Uncle Mike's," Dept. AHG18, P.O. Box 13010 Portland, OR 97213

Name _____

Address _____

City/State/Zip _____

ELMER KEITH WAS MISTAKEN ABOUT GAS CHECKS ON CAST LEAD BULLETS

Twenty-one years ago Elmer Keith wrote:

"Gas-check cups are useless on revolver bullets, in my estimation. They raise pressures from 3 to 5 thousand psi. Also, they do not upset to fill the chamber throats, and do allow gas to cut by them in the chamber throats to blow the lubricant out of the grease groove and melt the driving bands on the bullet. Often, there is also further gas cutting of the top strap of the gun at the barrel and cylinder junction."

These words have become virtual decrees from on-high to a significant number of magnum caliber revolver shooters in the United States today and a stunning indictment of gas-checks from the one man who got the .44 Magnum revolver developed and built.

Yet, the equally renowned Skeeter Skelton often listed the gas-checked .38 Thompson bullet as one of his favorites and a large number of silhouette competitors using cast bullets would use nothing but gas-checked bullets in competition and argue vehemently that Keith was mistaken.

Who's right?

Modern Opinion

The question of cast bullets using gas-checks came up in a recent conversation with Bruce Merkur, Sales Manager with Redding-Saeco. Bruce is one who believes strongly in gas-checked cast bullets because he feels the cast bullet shooter is only going to achieve accuracy combined with high velocity by using gas-checks and he cites the example of a recent test done with his Thompson Contender featuring a 14" barrel in .35 Remington.

Using the Redding/Saeco #399 truncated cone 180 gr. bullet and 33.0 grs. of Accurate Arms #2230 powder he was able to shoot 1 3/4" groups at 100 yards with an average velocity of 1875 fps for five shots.

He goes on to say the same bullet when loaded to the 1175 fps velocity level in a .357 Magnum case will demonstrate almost one third less deviation than a gas-checked 158 gr. bullet loaded to 1300 fps. He emphasizes his belief that gas-checked bullets are the only way the cast bullet shooter is going to get accuracy and high velocities.

Marty Liggins of Accurate Arms Company agrees with Bruce in his observation that gas-checked bullets are more

accurate than plain base or bevel base bullets and he explained the reasons why.

The base of the bullet is harder and therefore doesn't deform as easily. He has recovered bullets from a capture tank that were fired from loads employing a slow burning powder and found unburnt powder embedded in the base of the non-gas checked bullet.

Piston Problems

There are a number of reasons why this embedded unburnt powder deteriorates accuracy in plain base or bevel base cast bullets.

The first is it deforms the base and the base of the bullet is the most important in terms of its inherent accuracy. It is the face of the piston in this "engine" and if it is deformed the thrust forces are misdirected unevenly which will throw the bullet off after it leaves the barrel.

The second problem is the one of snags and burrs and the uneven resistance they create as the bullet moves down the barrel. The bullet is a piston, but it is also a bearing and if that bearing has a rough spot around its circumference it will not roll true. The third problem is the one associated with its gyroscopic stability. Remember, once the bullet enters the rifling of the barrel it is spinning and, like the wheel on your automobile, it must be balanced.

Go out to your car and clip 8 ozs. of weight on one side of your front tire and then try and go 80 mph down the road. You will get a hell of vibration out of it and the same thing can happen in the barrel of your gun with a lead projectile that has unburnt powder embedded in only one side of its base.

So Why No Gas-Checks?

That being said, you would think the vast majority of cast bullet shooters would be using gas-checked slugs, but a review of the sales records of a couple of mould companies doesn't substantiate that viewpoint.

Tom Griffin of Lyman Products Corporation says that while the majority of their rifle bullet moulds are gas-checked designs almost three quarters of their handgun bullet moulds are plain-base or bevel-base bullets.

Redding/Saeco reports they sell no gas-check moulds for handgun bullets in their automatic cast blocks used by commercial

Continued on page 85



The Visibility Difference

Compared to factory sights, Millett Sights on your revolver or pistol let you get a sight picture faster, easier, and more accurately.



Factory sights.



Millett's blaze orange front ramp and white outline rear — a visible difference!

Millett's famous blaze orange front ramp and precision rear sights make any gun shoot better.

Visibly improve your sight picture with Millett.

DEALER INQUIRIES INVITED.

(714) 842-5575



THE 1989 BIANCHI CUP COMPETITION PROVED WE HAVE NO COMPETITION.



We did it again. In this year's Bianchi, 7 of the top 10 scorers used Tasco scopes. 17 of the top 25.

That's quite an accomplishment. And it proves once again that our ProClass and ProPoint pistol scopes are in a class of their own.

It also proves that there's more than one way to achieve incredible results.

ProClass utilizes a glass-tapered dot reticle. ProPoint offers an

electronic dot reticle. Each, in its own way, has no parallel in the industry.

Both systems feature 30mm tubes for greater strength and rigidity. A 30% wider field of view than conventional 1" tubes. A wider range of eye relief values. And fully coated optics for a bright, clear image.

Is it any wonder that far more top pros choose our scopes than any other? We have the features that assure maximum reliability and

unsurpassed accuracy.

What's more, to celebrate our performance in the Bianchi Cup, we've decided to include Tasco's 30mm aluminum rings with every Tasco pistol scope (you've got 20 models to choose from). See a participating dealer for complete details.

ProClass and ProPoint. The scopes that blow away the competition.

tasco[®]



Denny's Shooters Supply, Inc.

ORDERS ONLY 24 HOUR FAX FOR INFORMATION
1-800-747-3845 • 319-277-3003 • 319-277-3171

P.O. Box 402 • Cedar Falls, Iowa 50613

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 with ordering.



WE PAY THE FREIGHT TO YOU
Dealers send FFL FOR Dealer Price List.



WILSON COMBAT

- MAGAZINES —
- 7rd 45 Acp w/Base Pad 21.50
 - 7rd 45 Acp w/Extended Base Pad 23.00
 - 8rd 45 Acp w/Base Pad 25.00
 - 8rd 45 Acp w/Extended Base Pad 27.00
 - 10rd 38 Spr w/Base Pad 27.75
 - 8rd 10mm w/Base Pad 25.00
 - 8rd 10mm w/Extended Base Pad 27.00

- COMMANDER HAMMERS —
- Narrowed, (Blue/Stainless) 25.00
 - Deluxe Slotted, Blue, New 32.95

- 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
 - Match Barrel Bushings (Blue/SS) 15.00
 - LE-K 45acp Drop In Kit New 250.00
 - LE-K 45acp Compensator Kit Gov't-comm. 275.00
 - DP-K 45acp Dual Port Kit New 295.00
 - LE-K 38spr Compensator Kit 285.00
 - LE-K 38spr Compensator Kit w/Ramp Bbl 295.00
 - DP-K 38spr Dual Port Kit New 320.00

- 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 8,9,10,12,13,15,17,18½,22-each 4.50

- SIGHTS —
- High Visibility Combat 26.00
 - Deluxe High Visibility Combat 33.00
 - 3-Dot Sights 33.00
 - Bo-Mar, Front 8.00 Wichita, Front 10.00
 - Bo-Mar, Back 60.00 Wichita, Rear 62.50

- SAFETIES & SLIDE RELEASES —
- Ex Thumb Safety (Blue/Stainless) 24.00
 - Ambi Safety (Blue/Stainless) 50.00
 - Ex Slide Release (Blue/Stainless) 27.00
 - Standard Slide Release (Blue/SS) 21.50
 - Beavertail Grip Safety (Blue/SS) 22.50
 - High Grip Beavertail (Blue/SS) New 35.00

- OTHER ITEMS —
- Practical Shooters Bag, Black New 79.95
 - Shootist Bag, Black New 89.95
 - Heavyweight Grips, Silver New 52.50
 - Long Match Trigger 16.50
 - 6 Shok Buffs 5.95 5 Red Buffs 6.95
 - Extended Ejectors (45acp or 38spr) 21.00
 - Extended Magazine Release 23.00
 - Checked Mainspring Housing Flat/Arched 35.00
 - The Combat 45 Auto Book by Bill Wilson 13.00
 - Checked Front Strap (Blue/Stainless) 15.00
 - Barrel Link Kit (includes 5 links) 22.00
 - Replacement Bbl Links 1,2,3,4,5, each 5.00
 - Slide Thumb Guard (Stainless) 15.00
 - Mag Well (Blue/Stainless) 30.00
 - Brass Belt Buckle w/Wilson Logo 11.00
 - Extractor 45acp 70 or 80 Series 16.00
 - Extractor 38spr 70 or 80 Series 16.00
 - S & W L Frame Underlug (Blue/Stainless) 45.00
 - Extended Base Pad (for Wilson Mags) 1.75

JOHN SHAW

- "Shoot to Win" book by John Shaw 12.00
- "You Can't Miss" book by John Shaw 9.00
- 6 Pack Base Pads 2 self tapping screws 9.00
- Pro Shooters Bag (Black Ballistic Nylon) 79.95

KIM AHREND'S CUSTOM GRIPS

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

ERNIE HILL SPEED LEATHER

- Plain Brown or Black Basket
- New Fas-trac Holster 99.00
 - Stock Revolver 4" & 6" for S&W 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

REMINGTON 38 SUPER BRASS

- Nickle Plated, Un-Primed + P 80.00
- Un-Plated, Un-Primed + P 75.00
- Once Fired 45 Brass 38.00



- COMPETITION ELECTRONICS
- Pro Timer III 225.00
 - Pro Tach Chronograph 129.95
 - 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

- 50 Practice Pin Targets New 13.50
- White corrugated cardboard, exact size
- Box of 1,000 matching pin target pasters \$3.00

SHOOTING VIDEO'S

- Pistol Masters 49.95
- How to Shoot Fast & Accurate 49.95
- The Steel Challenge 1988 49.95
- NRA Bianchi Cup 1988 49.95
- USPSA Nationals 1988 49.95
- Second Chance 1988 49.95
- Bob Munden "Fast Draw" 49.95
- Womens 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, 2½ hours of classroom and on the range shooting instruction (2 tapes) 69.95



- 9rd 10mm Magazine Stainless New 27.95
- 10rd 38 Super Magazine Blue 21.95
- 10rd 38 Super Magazine Stainless 27.95
- 10rd 38 Super Conversion Kits 12.50
- 8rd 45 Acp Magazine Blue 19.50
- 8rd 45 Acp Magazine Stainless 22.50
- 8rd 45 Acp Conversion Kits 10.50
- Shaw Mag Pad installed on above mags 2.00

ED BROWN

- High Sweep Beavertail Grip Safety 29.95 31.95
- Maxi-Well 29.95 31.95
- Slotted Commander Hammer 32.95 35.95
- Extended Thumb Safety 29.95 13.95
- Ambidextrous Safety 49.95 54.95
- Beavertail Installation Jig 17.95
- 1 pc. Heavy Duty Guide Rod & Plug 25.95

MAG PACK

- 8rd 45 Acp Conversion Kits 8.95
- 7rd 45 Acp Officers Model Kits 8.95
- 10rd 38 spr Conversion Kits 9.95



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

- Safariland Comp II (S&W K or L) 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

SMITH & ALEXANDER

- Mag Guide Govt. Flat/Arched (B/S) 69.95
- Mag Guide Officers Flat (Blue/SS) 69.95
- Ambi Mag Release 69.95

CLARK CUSTOM

- 6" 45 Acp Match Barrel 130.00
- 6" 38 Super Ramped Barrel 130.00
- Pin Master Comp Kit, Barrel, Comp & Spring Guide 38 Super or 45 Acp 270.00
- Short Pin Master Comp Kit, 38spr or 45acp 115.00
- Pin Master Comp Only, 38 Super or 45 Acp 140.00
- Barrel Bushings, Blue or Stainless 12.50
- 2 Piece Guide Rods, 5" or 6" 15.00
- Barrett Mag Guide, Blue or Stainless 25.00
- Aimpoint Mount, Fits Colt Govt. 45.00
- 45 Auto Adjustable Scope Mount 37.00
- Ruger MKII Adjustable Trigger 15.00
- Ruger MKII Grips 19.95



Pachmayr GRIPS

- Presentation 20.00 Signature 25.00
- Grippers 24.00 Pro Grippers 24.00
- Compac 23.00 Pro Compacs 23.00

ACCESSORIES

- Auto Pistol Sights New 53.45
- Nylon Trigger 12.55
- Custom Wide Barrel Link, Stainless 19.75
- Widget Tool 2.95
- Grip Safety, Govt 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 S&W 59, 645 (set of 2) 14.95
- Mag Bumper Kit, Hi-Power (set of 2) 14.95
- Colt Officers Magazine, Stainless 25.15
- Colt Govt Magazine, Stainless 23.35
- Browning Hi-Power Magazine, Stainless 29.65
- Beretta Magazine, Stainless New 31.45
- Sig P226 Magazine, Stainless New 35.95
- PT-92/99 Magazine, Stainless New 31.45

CHIP McCORMICK

- Fully Prepped Sear 22.95
- Nastoff Slotted Commander Hammer 76.95
- McCormick Slotted Commander Hammer 76.95
- Titanium/Carbon Fiber Match Trigger 29.95



.22 MASTERPIECE

By Charles E. Petty

Photos by Ichiro Nagata

There has been a K-frame .22 revolver in the Smith & Wesson line since 1931. The K-22 Outdoorsman was introduced in response to requests from target shooters for a match grade .22 revolver. After World War II, in 1946 to be precise, S&W began to call their target revolvers "Masterpieces" and the common terminology became the K-22 Masterpiece. These were all 6" barrel revolvers and went through the same basic evolutionary changes that were common to the other K-frame guns.

Then, in response to requests from law enforcement, S&W began to offer their popular K-38 with a 4" barrel and it duly was known as the

"Combat Masterpiece."

In June 1950 a .22 version was added, known as the .22 Combat Masterpiece. It was intended for training use but was also popular as a plinker. When S&W adopted their current system of Model numbers in December, 1959 it became the Model 17. It is one of my all time favorite Smith & Wesson revolvers. I owned a .22 Combat Masterpiece for years and still regret trading it for something else that's long gone too. Now I have another— and, hopefully, better sense.

The new Model 17-6 is primarily distinguished from the older version by the inclusion of a full lug under the barrel. Why, you may reasonably ask, is this needed on a .22? Well, I think it improves the feel and pointability, but I guess it's mostly cosmetic and to make the gun look more like their popular L-frame Model 586.

The gun comes with S&W's combat style grips which, although I don't particularly care for them on a hard kicking gun, are just great with the .22s minimum recoil.

Two other visual differences are the trigger and sights. Although I'm not sure

Once they have learned that the gun won't hurt them and that they really can hit something with it, the transition to the more powerful .38 is much easier. If you start them on the .38 or, heaven forbid, the .357, the first thing they're going to learn is how to jerk the trigger and that is a hard habit to break. If they get the basic skills first, the teacher's job is easier.

It's also an absolutely dandy camp and trail gun; perfectly suitable for small game and it's no trouble to throw a couple of boxes of ammo in pocket or pack for plinking wherever the opportunity occurs.

Shooting the new Model 17 is every bit as much fun as I remember from my old one and accuracy is quite good. As expected, best accuracy was obtained with standard velocity ammunition and groups opened up a bit as velocity increased, but the average of just a bit over 2" is not to be sneezed at.

I'm sure that a diligent test with more brands and types of ammunition would discover something that would shoot even better for .22s are like that, persnickety. All guns seem to have a preference for one load or another and .22s are

ACCURACY RESULTS

Five Consecutive Five-Shot Groups At 25 Yards

Cartridge	Velocity	Smallest	Largest	Average
Federal 37 gr.	960 fps	2.28"	2.90"	2.61"
PMC Zapper	896 fps	1.82"	2.49"	2.04"
CCI Match	918 fps	1.73"	1.90"	1.82"

why, S&W has dubbed the 4" barrel version I have "semi-target" for it has the smooth trigger that has been an optional extra for some time and is, I think, far better for double-action shooting than the standard grooved trigger. The grooves may be fine for single-action, but they'll wear the skin off your trigger finger in a hurry if you shoot much double-action.

The sights also mark a return to the better days of the past, for the front sight is a plain Patridge with the undercut that used to characterize S&W's target sights. It presents the best sight picture and, while it doesn't look as sexy as the red ramp, it is far more functional.

My fondness for the Model 17 is more practical than anything although it does make a nice companion piece to the Model 586 now that it has the full barrel lug. But the reason I like it is because it's one of the best guns I know of for teaching someone how to shoot.

The K-frame has the potential of a decent trigger and it has the size and feel of the .38 and .357 revolvers that many people chose for their defense guns. The lack of recoil in the .22 makes it ideal for teaching someone the basic skills of sight alignment and trigger control without having to worry about the noise, and almost automatic flinch, that comes with new shooters.

especially picky in that sense, so if pure accuracy is important to you it's worth the time to test a number of loads.

One of the things that has been a problem with some S&W .22 revolvers has been sticky extraction. When you've got a cylinder full of empties it often requires an effort to eject them and sometimes you have to rap the ejector rod with a piece of wood to get them started. This is very much a function of the type of ammunition you're shooting and standard velocity loads are much less likely to be a problem.

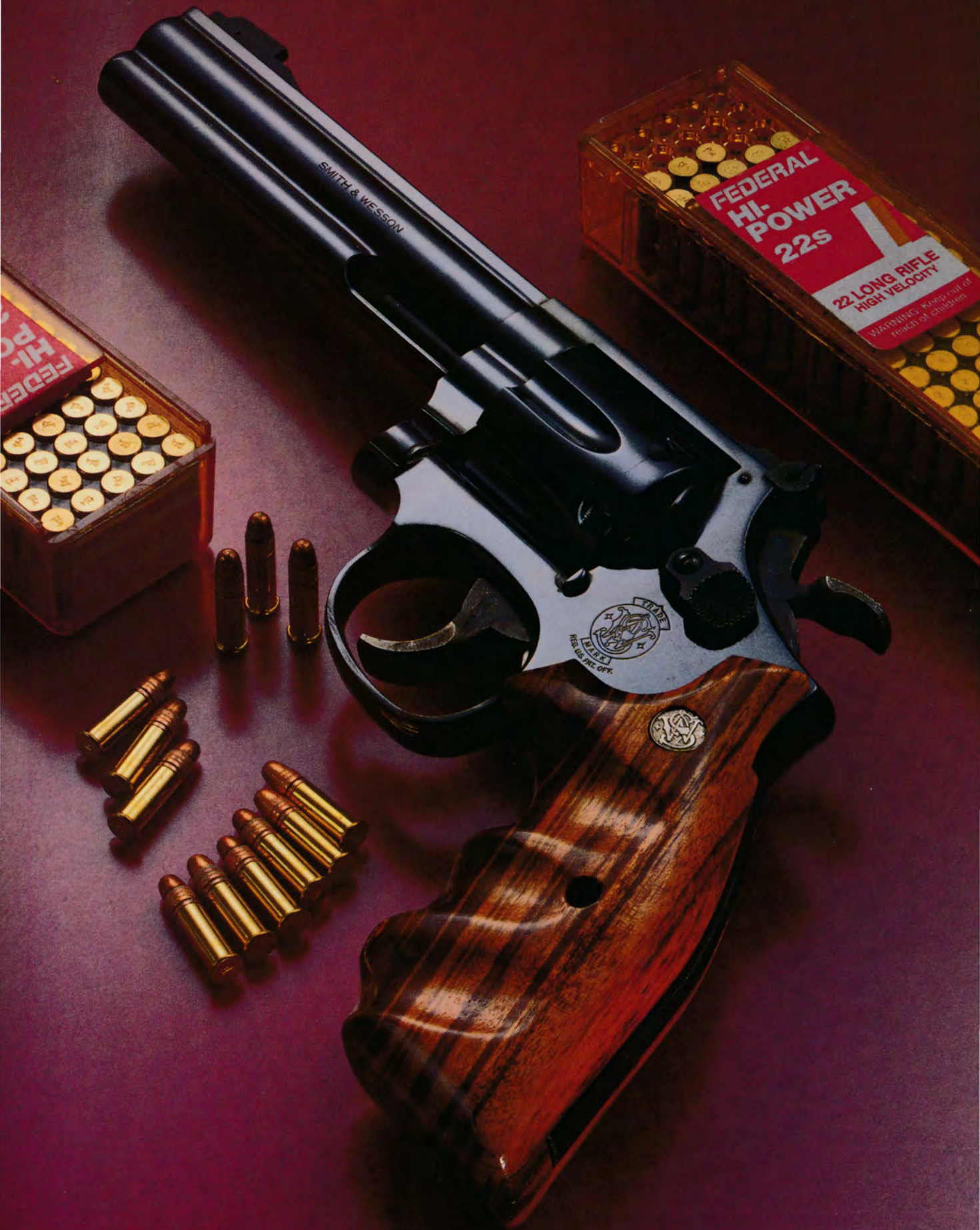
My old Model 17 had it and so does the new one, although it's much better. As long as the gun is clean extraction is easy, but as it gets dirty you may find, as I did, that you have to push harder. It's easy enough to push a patch through the cylinder every now and then, which helps a lot.

The Model 17 is one of the few S&W revolvers left with recessed chambers (charge holes) and this is a worthwhile feature for it helps prevent damage to the gun if it's dry fired but it can also be an area that needs cleaning attention. The recess is a nice place for crud to accumulate and unburned powder, bits of lead or bullet lubricant can accumulate in there and cause the cylinder to bind.

What happens is simply that the cartridge doesn't go all the way in to the








chamber and the rim, rubbing against the frame, can cause the cylinder to drag or be difficult to turn. A toothbrush is the best cleaning method I know of for this and anyone who experiences a problem with free cylinder rotation should check this first.

Although they've almost disappeared, one of the most fun things there is to do with a .22 revolver is shoot Shorts. The .22 Short is such a pipsqueak that most folks ignore them but they really are fun and the beauty of a .22 revolver is that you can shoot anything you want to in them. If noise is a real problem where you shoot you could even use the CB ammo that's available from Remington and CCI.

There are several variations available with the new Model 17. The 4" barrel version I tested is known as semi-target for it has the standard hammer and combat trigger and there's also a 6" barrel with the same features. There are also target versions in 6" and 8 3/8" barrel lengths that have target hammer and trigger. Suggested retail prices range from \$368.00 for the semi-tar-

get configuration up to \$414.50 for the 8 3/8" barrel target version.

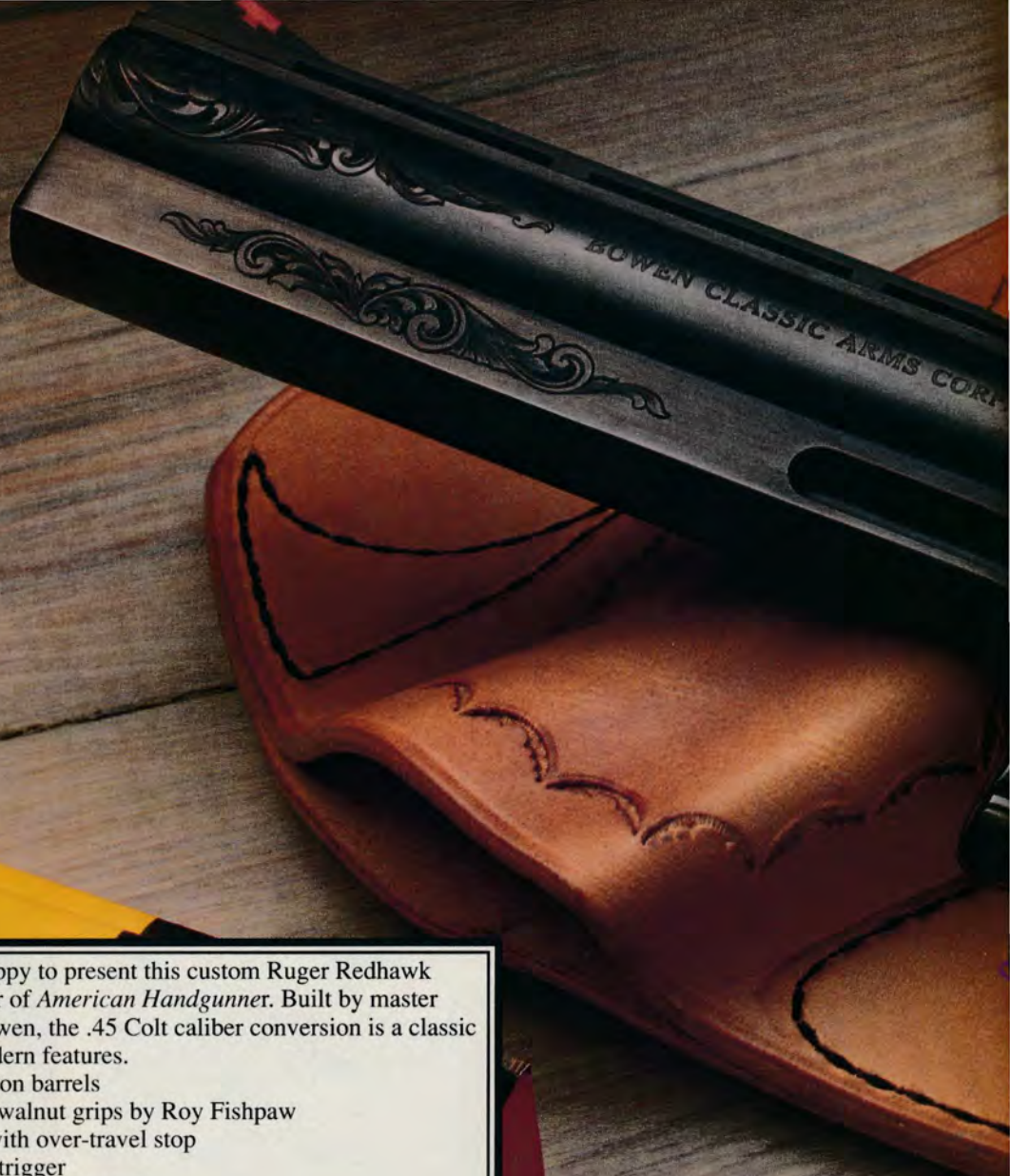
It seems to me as if a lot of people ignore the .22 in favor of more powerful guns and miss a lot of inexpensive fun. Back in the early days of my shooting career I measured my wealth in terms of how many boxes of .22 ammo I had. That was when it cost fifty cents, but I hope there are kids today who do the same thing. Even though it costs more now, the fact is that you can still shoot .22s for a whole lot less than anything else and anyone who wants to be a good shot can learn just as much from the .22 as anything.

To me, the main attraction of the M-17 is the versatility. It is unsurpassed as a training gun for new shooters. It's ideal for a camp or trail gun for dispatching the odd snake and would certainly do for taking small game for the pot. And as a plinker it leaves nothing to be desired. The ability to shoot any and all .22 ammunition is something that's unique to revolvers and you haven't had plinking fun until you zip through a couple of boxes of .22 shorts. 



Among the many refinements of Smith & Wesson's classic .22 Masterpiece are a wide target trigger (right), a transfer bar safety to prevent the gun from firing if dropped (above), recessed chambers (above left) and a wide target hammer (top left).





Bowen Classic Arms is happy to present this custom Ruger Redhawk revolver to a lucky reader of *American Handgunner*. Built by master pistolsmith Hamilton Bowen, the .45 Colt caliber conversion is a classic big bore sixgun with totally modern features.

- ✓ Interchangeable Dan Wesson barrels
- ✓ Custom roundbutt French walnut grips by Roy Fishpaw
- ✓ Action and trigger tuned with over-travel stop
- ✓ Damascened hammer and trigger
- ✓ Classic scroll engraving by Jere Davidson
- ✓ Custom holster by Thad Rybka

Bowen Classic Arms is a pioneer in the field of sophisticated revolver work and offers Ruger single- and double-action guns with five-shot cylinders in .45 Colt, .475 Magnum and .500 Magnum.

Virtually any suitable caliber is available in custom six-shot cylinders for all Ruger revolvers. A wide variety of other services is offered including rebarreling, accurizing and detailing.

For a complete brochure of the guns of Hamilton Bowen, please send \$3 to:
Bowen Classic Arms

P.O. Box 67GG, Louisville, TN 37777

Roy Fishpaw provided the custom French walnut grips. The master grip-maker offers virtually any material and design for *custom* grips. All grips are handmade to individual guns which requires that the gun be sent to Roy for hand fitting. Send \$2 for a brochure to Custom Gun Grips, 101 Primrose Lane, Lynchburg, VA 24501 or call (804) 385-6667.

Thad Rybka, one of the finest custom holster makers in the country, handcrafted the Belt Slide model for the multi-barreled Redhawk. For an illustrated brochure, send \$3 to Thad Rybka, 32 Havilah Hill, Odenville, AL 35120.

Jere Davidson is one of the most promising engravers today and he handcut the exquisite American scrolls on the Bowen custom Redhawk. Jere concentrates on American scroll and English scroll in addition to his specialty of game scenes. Jere works in Virginia and may be contacted at Route 1, Box 132, Rustburg, VA 24588.



HOM MAY/JUN 1990:

Name _____

Address _____

City, State, Zip _____

Circle your answer to question: (A) (B) (C) (D)

If I win, please ship my gun through:

Dealer _____

Address _____

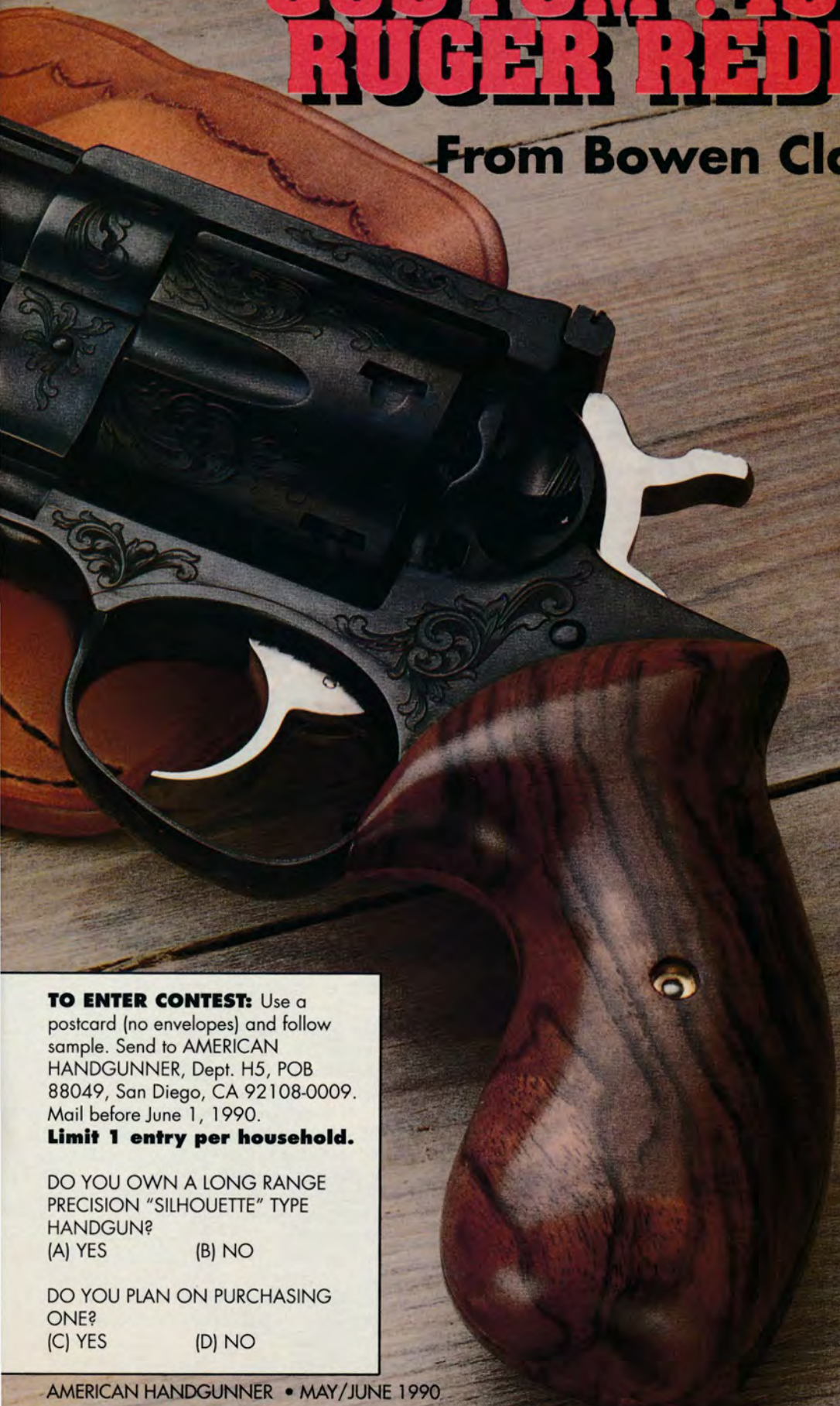
City, State, Zip _____

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.

You Can Win A
**CUSTOM .45 COLT
RUGER REDHAWK**

From Bowen Classic Arms



TO ENTER CONTEST: Use a postcard (no envelopes) and follow sample. Send to AMERICAN HANDGUNNER, Dept. H5, POB 88049, San Diego, CA 92108-0009. Mail before June 1, 1990.

Limit 1 entry per household.

DO YOU OWN A LONG RANGE PRECISION "SILHOUETTE" TYPE HANDGUN?

(A) YES (B) NO

DO YOU PLAN ON PURCHASING ONE?

(C) YES (D) NO

STEEL Sensation

*Jim Boland. He's not just a gunsmith,
he's an artist whose medium is steel, blue steel.*

*By Cameron Hopkins
Photos by Ichiro Nagata*

This gun is simply awesome!" gushes Thomas Jow, M.D., the owner of Jim Boland's steel sensation.

Ah yes, nothing like the objective analysis of a physician. What could excite Dr. Jow, normally calm and collected, to such heights of hyperbole? This incredible custom .38 Super pistol, that's what.

Actually, it's *complexly* awesome. There's nothing simple about this masterpiece of gunsmithing genius that is the steel creation of James W. Boland. From the radically sculpted, handmade grip safety that raises the hand's grip dramatically to the brilliantly executed triple-chamber, dual side-port compensator, precious little about this gun is simple.

It's a steel gun made of aluminum. "Steel gun" refers to its purpose, not its construction, like a pin gun is for shooting bowling pins, not a gun made out of sewing needles. This steel gun is designed by Jim Boland expressly for shooting steel, the white steel plates of the World Speed Shooting Championship competition known more commonly as the Steel Challenge.

The dominant characteristic of the special-purpose pistol is its light weight. Jim Boland's steel gun, customized from the aluminum alloy frame of a Colt Lightweight Commander, weighs an astonishing 27 ounces. (A stock Government Model weighs 38 ounces.)

Yes, 27 ounces *including* the radical triple-chamber compensator, enlarged mag funnel and all the extras you see in Ichiro Nagata's marvelous photographs.

So where did all the weight go? Metal shavings on the floor under Jim's milling machine, that's where! The slide is hogged



out, skeletonized, slimmed down and Oprah Winfrey-ized. We're talking crash diet, folks!

First, the ounces fell away in steel slivers as Jim thinned the slide down where the cocking serrations are found under the rear sight. Next, he slimmed the top of the slide by raking a cutter across the top radius to remove a few more precious shavings of steel.

Inside the slide, however, is where Jim pared most of the flab away. He relieved a lot of metal at the rear of the slide where the ejector passes. (By the way, Jim Boland struck again with his magical touch with a welding torch—the ejector is welded up and re-cut, not simply replaced with an extended "combat" ejector.)

There is a porthole cut into the left side of the slide, a "firing pin indicator" if you will. Look inside to make sure...yep, there she is, the firing pin *is* present and accounted for.

It looks like steel termites went to work beneath the Bo Mar fully adjustable rear sight. Gobs of metal has been removed in this non-stress area of superfluous baggage. (Check out the photo on page 109.)

The barrel, which is the unsurpassed match-grade version from Bar Sto Precision in .38 Super, has been turned-down on a lathe to skim off a few more grams.

The compensator is relatively huge, yet it's surprisingly light. As you can see in Ichiro's photographs, the comp is somewhat of a Swiss cheese affair. The underneath, what would otherwise form an underlug, is completely milled away to reveal the full-length guide rod.

Jim Boland machines his guide rods from scratch. He seems



to either machine or weld *everything* from scratch, if you haven't noticed that already.

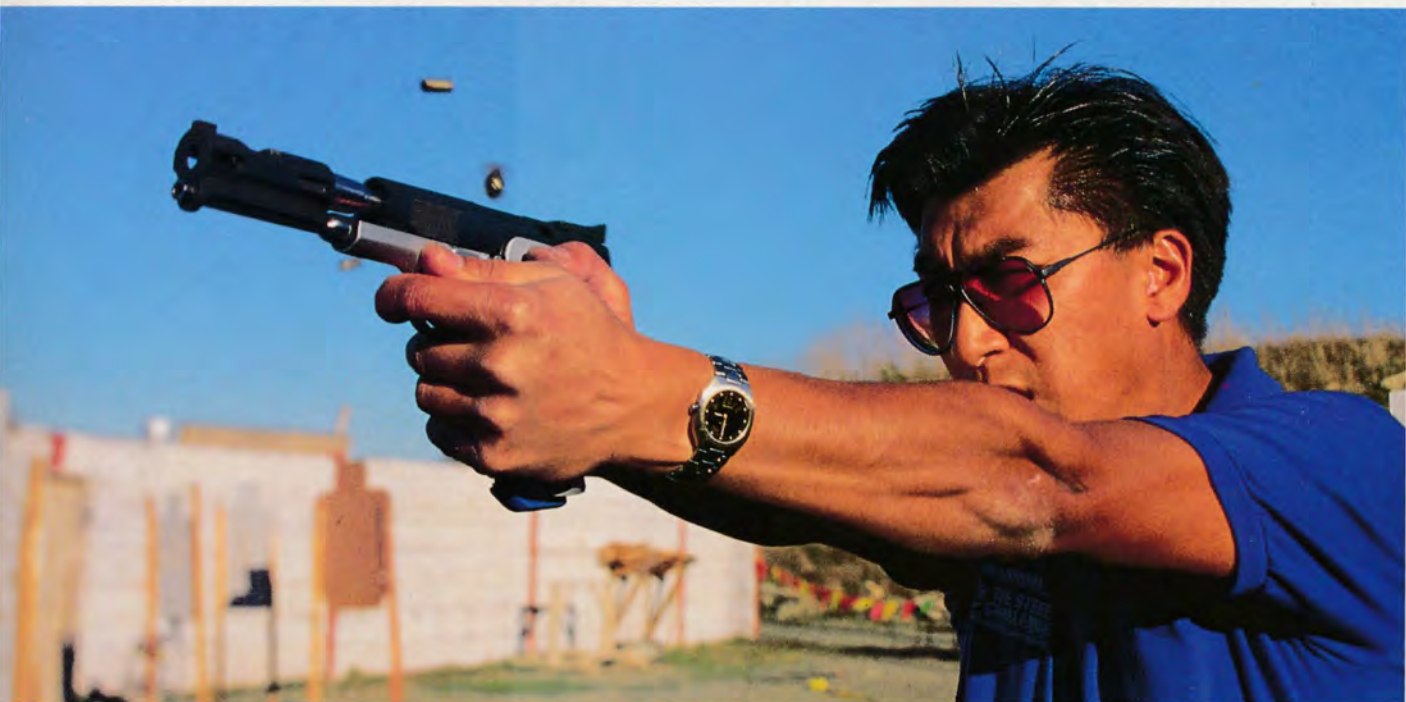
At the rear of the compensator unit, just in front of where it mates with the slide, is a "false porthole." It looks like a porthole, but it actually doesn't go all the way through the metal. The oval shaped hole matches the gas port in the side of the compensator, so in one sense it's a cosmetic touch to add symmetry to the design. But it's also a practical touch that shaves more weight off the finished product.

A further weight savings is realized in the attachment of the compensator body to the barrel. It is the typical "cone style" of attachment wherein the compensator is threaded and epoxied onto the barrel to replace the standard barrel bushing with a tapered cone of steel. Jim Boland utilizes this technique, but as you can see in the photos, the cone is relatively small.

Handling is the key in speed shooting, gun handling. The light weight of Jim Boland's steel gun provides for a beautifully balanced pistol that points as naturally as your finger. Just as one of the remarkably light shotguns of the finest London gunmakers is renowned for its smooth handling, balance and pointability, so too is this Best Quality pistol engendered with those qualities that make a firearm feel like a physical extension of the shooter.

The light weight is part of it, the ergonomic grip is another. Look at that beavertail that Jim Boland sculpts by hand from a block of steel that he welds to the frame.

Take advantage of *American Handgunner's* detailed and extravagant color pictures—look at the smooth fit of the beavertail to the frame, see how it elevates the hand $\frac{5}{8}$ inches higher than the







highest of after-market tangs, *notice* what a beautiful job Jim Boland has done to blend the re-shaped hammer into the new beavertail.

Now, keep admiring those stunning photographs and *imagine* how your hand would fit snugly up into that wide beavertail extension. Think how your hand would reach higher on the gun, much closer to the center of the bore where you can exercise considerably more leverage to hold the gun steady during rapid fire.

It's almost as if Jim Boland took a human hand and melted a gun around it. Call it human engineering, call it ergonomic design, call it user-friendly, it's all the same thing—a gun that shoots naturally, swings freely, balances beauti-

fully and just flat *feels good*.

Take the "mud flaps" and "gas pedals" for example, excellent examples of gun-melted-to-hand. These accoutrements are Jim Boland trademarks, distinguishing characteristics that set his guns apart even when seen from across a room in a holster.

A mud flap is a thumb guard, a tastefully handmade flap of steel that fits under the grip panels in between the extended Swenson thumb safeties and the slide to prevent the shooter's thumb from rubbing against the slide and retarding its movement. Jim Boland handfits each mud flap to each of his custom pistols, one at a time. This is not a casting, it's machined out of bar stock and mated to a gun individually.

A gas pedal is the aforementioned extended Swenson thumb safeties, one per side in the ambidextrous mode that most customers prefer. Jim lops off the little lever that comes on a Swenson safety and welds on a blob of steel. From that blob he machines the over-size levers and then serrates them by hand. The result is what is known as a gas pedal.

Add the two together, gas pedal and mud flap, and you have a perfect platform for resting the shooting hand's thumb in what is called the "high thumb grip." This shooting grip positions the thumb on top of the thumb safety—I mean, gas pedal—and gives strong control of the weapon by pressing down on the gas pedal in a vise-like grip. Wrap the supporting hand's

thumb on top of the shooting hand's and you have a very strong grip with considerable leverage to hold the muzzle steady during rapid fire strings.

Another improved handling quality that Jim Boland builds into his steel gun is a long sight radius. Popularized by two-time Steel Challenge champion Chip McCormick, a long sight radius gives the shooter a sharper "flash sight picture" for shooting those plates at warp speed. The sight radius on Jim Boland's masterpiece is 8½ inches.

Check out the checkering! Remember, this is an alloy framed Commander, *not* a chrome moly gun. Cutting those rows of sharpened diamonds is easier in aluminum than steel only in that the metal is softer and easier to cut, however, any gunsmith will pick steel over alloy if you ask him which he would rather checker.

Checkering an alloy frame is more difficult because it's much easier to slip with the file and dull a diamond. The file clogs up quicker, it's harder to compensate for an error.

To get it *perfect* in alloy, like Jim Boland has done, is a greater testimony to his checkering talent than is the equally flawless checkering of the steel main-

and see what she says.

Probably call the men in the white suits to bring the funny looking sport coat for you!

Non-Test Test

How does Jim Boland's steel sensation shoot? Quite honestly, I don't really know. With the few rounds that I fired through the gun, I don't feel qualified to comment. I think a proper test should involve at least 2,000 rounds, usually with the gun fired in local IPSC matches over the course of a few weeks. "Whatever can go wrong, *will* go wrong in a match" has often proven Murphy's Law of Pistol Jams.

Unfortunately, the Boland .38 Super was not made available to me except to run a couple of magazines through the gun with a very protective Tom Jow, Proud Owner and Mother Figure, hovering nearby.

I don't blame him. If I owned this one-of-a-kind experimental pistol, I damn sure wouldn't let some yahoo editor of some dumb gun magazine take *my* gun for three weeks and shoot the bejeesus outta it just to see if it breaks!

And Jim Boland didn't have time to

morning. No thanks!"

Jim Boland doesn't mince his words. It was a shame that you, the readers, wouldn't learn of this outstanding gunsmith's talents, but so be it.

I saw Jim off and on at the Southwest Combat Pistol League, here and there at the Steel Challenge or the West Coast Invitational. We chatted amiably and enjoyed each other's company.

Then came the Springfield Armory Trophy Challenge when I saw an obviously distraught Jim Boland bearing down on me. Uh oh, here's trouble.

After quickly dispensing with the formalities of Hihowareyou, Jim hit me with a broadside.

"I've got a bone to pick with you," Jim began, quickly warming to his playful irritation. "Just what in the hell do I have to do to get you to write an article about my guns? You've got articles about all these gunsmiths, half of em were still in grade school when I was building .45's.

"So tell me, Mr. Editor, just what in *hell* do I have to do to get an article about my guns?"

That's the Jim Boland we all know and love. Predictably unpredictable, the quintessential Genius At Work.

I mentioned that, well, I asked you about an article on your guns about three years ago and you didn't want any part of it.

He looked at me like I was a blathering idiot not to know any better and simply said, "Well, I changed my mind!"

So, to make a long story longer, that's when he showed me the Amazing 27 Ounce Steel Gun. He said the gun belonged to Tom Jow and it wasn't quite finished yet but I could arrange to borrow it from Tom for an article.

The good doctor *did* finally send me the gun with his blessing to shoot it, precisely 11 days before that dreaded thing we editors so appropriately call "deadline." Sorry folks, no time for an in-depth evaluation.

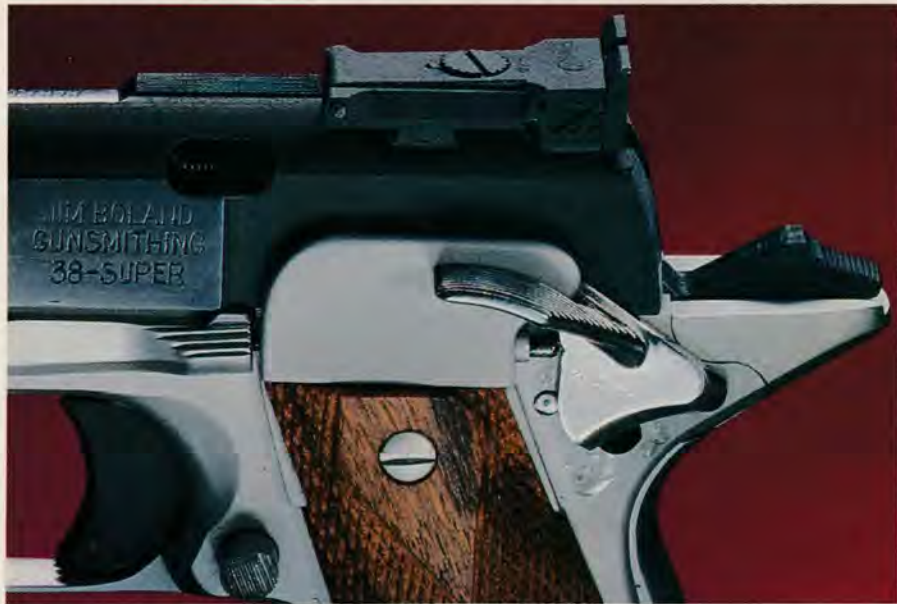
We'll just have to rely on second-hand reports from the owner, Dr. Jow, and from one of his shooting buddies. His range-mate is marginally qualified, I suppose, to hold an opinion on the topic of a custom 1911. He might be credible as someone knowledgeable on guns made for speed shooting.

Yes, it's Angelo Spagnoli, none other than the 1989 Steel Champion himself, the "world's fastest shooter." I guess we can take Angelo's opinion as valid!

Accuracy And Loads

Along with the gun, Tom sent me a four-shot group that Angelo fired at 25 yards off a sandbag rest. It measures ¾ inches horizontally by ⅝ inches vertically. The load was 4.2 grains of WW 452AA with a Hornady 124 grain jacketed flat point. A Winchester small pistol primer ignited the whole shebang in Midway cases.

Tom and Angelo worked up some



spring housing. Both are cut at 20 lines to the inch, the preferred pattern for a slip-free grip.

Incidentally, notice how the checkering on the mainspring housing wraps around and continues into the pistol's frame. It's another small touch that indicates Jim Boland's emphasis on ergonomics.

Jim cut 30 lines to the inch on the front of the trigger guard to provide the support hand's index finger with a solid purchase to help pull the gun back into the hand. This is called a "finger forward grip" which is often found in conjunction with a "high thumb grip." Just for fun sometime, tell your girlfriend that you like a finger-forward, high-thumb grip

build one just for me to shoot for an article and cover story of *American Handgunner*. Let me make a short story long and explain how this came about.

Several years ago I approached this eccentric genius to borrow a gun for an article, and he unloaded on me.

"Whatcha think's gonna happen if you write an article about my guns? People are gonna call me, that's what. They're gonna call and they're gonna wanna buy one, and where will that leave me? Answering the damn phone all the time, that's what. Won't get anything done around here.

"No thanks, I don't want any article. The next thing you know people will be calling from the east coast at five in the

loads for this gun. Remember, this gun is designed for Steel Challenge loads—mousefarts—not IPSC major loads. This alloy frame wouldn't last very long with a lot of the 130 grain Pocket Rockets that the hot-shots are shooting at 1350 fps to make major with the Super these days.

(Jim Boland offers an identical version of this gun weighing 34 ounces with a steel frame that is designed to fire IPSC major loads. Even Pocket Rockets, if you must.)

All of these loads are in the neighborhood of 1,000 fps. According to Tom Jow, "All loads had very little muzzle rise, substantially less than any other gun I tested them in. All loads grouped very well, all less than 1¼ inches.

Powder	Grains	Bullet
WW 231	5.0	124 Hornady
WW 452AA	4.2	124 Hornady
WW 571	9.0	115 FMJ
WW 452AA	5.0	124 Hornady
WW 231	4.2	125 Remington

Compensator

The compensator is a triple-port design with three expansion chambers. The two rearmost chambers vent to the top through one large port each while the

third chamber vents gas sideways through two oval shaped ports.

Jim had built another very light (25 ounces) steel gun for Ken Barwick earlier with a basic single-port compensator, but Jim realized that such a light gun shooting such light loads should have a different compensator design.

Jim theorized that by having at least two chambers, or ports, the comp would be more effective. He also calculated that each chamber had to be larger and longer than the preceding one.

Jim Boland went to work and did what he does brilliantly—experiment. He discovered that positioning the first baffle, or wall, very close to the end of the bore would result in the base of the bullet still sealed in the barrel when the nose entered the first expansion chamber.

This first expansion chamber would, in effect, strip the initial shock wave of the rushing column of air in front of the bullet and the hot powder gases behind the bullet.

As the bullet enters the second expansion chamber, which you can see in Ichiro's photographs is longer than the first one, more of the gas is directed

upward through the large port in the top.

Finally, the bullet enters by far the largest of the three chambers in this triple-port compensators. There the bullet seals the chamber and forces the gas out the two opposing lateral ports. Jim theorized that this would have the same effect as a rifle's muzzle brake helping to tame felt recoil (as opposed to dampening muzzle rise, which the first two chambers do).

During this experimental phase, Jim Boland also researched the question of the effects of radically reducing the weight of the slide. He removed as much physical weight from the slide as possible which resulted in an extremely fast cycling time and less muzzle flip.

The result, as Dr. Tom Jow so eloquently puts it, is simply awesome.

Mad, Mad, Mad World

Shooters of the Southwest Combat Pistol League, the actual home-club that developed IPSC under Jeff Cooper in the Fifties, refer affectionately to Jim Boland as the "mad doctor."

Jim, you might say, is the Pistolsmith-In-Residence for the League and he is highly regarded by the shooters there.



Jim Boland's specially designed triple-chamber comp has three different sized ports, two that channel gas upward and one that directs it sideways. The author explains Boland's design in more detail in the text.

The comp attaches to the Bar Sto barrel, which Boland says is "the best," with a threaded-cone arrangement. Note how the barrel's bottom lugs have been cut off and welded to Boland's specs. The full-length guide rod is made by Boland.



He's certainly respected for his gunsmithing talents, but at the same time he's given wide berth as he walks around the matches to the beat of his own rather different drummer.

The last time I met Jim at a match, we discussed his new triple chamber comp on this lightweight Steel Gun and shooting monkeys. No kidding. Those were the two topics we chatted about.

(While on safari in Africa, I had been asked to shoot some crop-raiding baboons and vervet monkeys that were stealing from the natives. The tribe's meager garden was being devastated. Jim and I discussed the question of whether or not it is ethically right to shoot a fellow primate, even in these circumstances where the our evolutionary cousins were stealing food from poor, hungry people.)

No Two Guns The Same

His guns—and I emphasize the plural, hardly any two are the same—are by far the most popular in this historical gun club that produced such champion shooters as Mickey Fowler, Mike Dalton and Jim Zubiena. All three, incidentally, are Boland clients.



They say Jim Boland can take a car bumper and make a gun out of it. Just give him a welding torch and stand back. Truly, his touch with the heli-arc welder is nothing short of spectacular. Jim Boland could weld a head onto a pin.

American Handgunner ran a feature in the 1988 Annual about Jim's "FK Gun," a good example of the mad doctor's incredible welding skills. Basically, he took a Colt frame, cut it apart and re-welded it together again from scratch. This time it accepted HK 13-shot 9mm magazines.

(Think about that for a moment. If
Continued on page 109



JIM BOLAND'S CALIFORNIA COMPETITOR

The Double-D compensator is Jim Boland's bread and butter. An innovative style of a single-port expansion chamber, the Double-D is distinguished by two remarkable design features.

First, there is a "nozzle" protruding from the face plate of the compensator. This essentially extends the length of the face plate to seal the bullet inside the chamber for a longer time without adding weight to the compensator.

Second, the bottom surface of the expansion chamber features a "scoop" that in cross section looks like the letter D. Hence the name, Double-D.

The scoop serves to direct the hot powder gas upward through the exhaust port far more efficiently than a conventional flat-bottomed comp.

The Double-D is part of a unique "package deal" that Jim offers called the *California Competitor*. This complete

package is performed on a customer-supplied 1911 pistol.

The California Competitor includes:

- ✓ trigger job
- ✓ melted Bo-Mar rear sight
- ✓ complete checkering (20 lpi)
- ✓ Boland custom mag funnel
- ✓ Boland custom hi-hand grip safety
- ✓ ambi gas pedals and mud flaps
- ✓ Bar Sto* match grade barrel
- ✓ Double-D compensator system

*as available; other brands may be substituted

The California Competitor, as shown in the photo above, costs \$1,200 on the customer's gun. There is a two year waiting list. However, brand-new California Competitors are stocked by Maharlika Sportsmen Shop under a unique contract with Jim Boland. Available for *immediate* deliver at \$2,600, the California Competitor may be ordered from MSS by calling (714) 598-9854 (Pacific Daylight Time).



BUCKMASTER

A realistic competition for hunters with pop-up deer targets that pits handguns, rifles and bows equally against each other. Oh yes, it also pays over \$25,000 to the winner.

By Massad Ayoob



How many "deer" can you see in this photo? Mickey Fowler, above, shot the first perfect score ever fired in Buckmaster competition with a handgun! He used a S&W Model 686 and Burris 1.5-4x scope. All competitors are issued a Buckmaster "uniform" by sponsor, RealTree camo, and must shoot from sponsor treestands, Loc-On and Summit.

When you read about big money matches that are won with exotic space-guns, did you ever wonder what it would be like to shoot a professional-class handgun match in which all contestants had to use a stock revolver and the kind of ammo you'd just walk into a gunshop and buy off the shelf? A match with perhaps \$125,000 in prizes, and \$25,000 or so to the winner?

If so, look no farther. BuckMasters is here.

Former tournament tennis player Jackie Bushman founded the BuckMasters organization to do for deer hunters what Bass-

Masters did for anglers. Rather than kill deer for money, Bushman wanted the object of the game to be a realistic deer target.

Inspired by Dirty Harry's "Hogan's Alley" scene in the movie *Magnum Force*, he set about designing a three-dimensional plastic whitetail deer with an 8x10 inch sensor pad in the area of the heart. A computer terminal raises the deer target from the bush, and a bullet or arrow passing through the sensor pad triggers the switch that drops the "dead deer" on its back.

Bushman, who has a syndicated sportsman's show on the TNN cable net-



work, set the course of fire up to be a visual event. The shooter faces an area of scrub or woods hundreds of yards wide. The deer have been set in well-camouflaged positions and pop up silently, one by one, at random.

Among the bucks will be no-shoot targets, does, and even a shot in one's direction will cost you 10 precious points. A buck in proximity to a doe is also a no-shoot target, unless you get him before she pops up.

You'll start in a treestand, and all shooting will be from there. This is partly because two major treestand manufacturers, Summit and Loc-On, are enthusiastic



BuckMaster supporters, and partly because Jackie's roots and BuckMasters are in the deep south, where stand-type hunting prevails and the treestands are generally a helluva lot higher than the eight feet or so at the tournament.

Today, BuckMaster membership has spread nationwide and the northeast actually has slightly more members than the South, but tradition holds true. The invitationals and the finals are both held south of Mason-Dixon line.

You must be among the top 16 in your class at one or the other of the two preliminaries to qualify for the big-dollar final held since 1988 at the fabulous Call-

away Gardens Resort in Pine Mountain, Ga. Both '89 prelims were held in Florida, Daytona Beach in June and Destin in July. Surviving either made you glad that southern deer hunting season is not in high summer.

Course of Fire

In each bout of shooting, you'll fire shots from each of three treestands, a Summit and two different types of Loc-On, and will be given four "shoot" targets per stand. They can be any of nine that are out in the field, and the value of a knockdown is judged by the distance of the target. The nearest (15 yard) target is

worth a mere five points, while the most distant (100 yard) plastic buck is worth 22 points.

In the rifle competition, the distance ranges from 50 to 175 yards, and in bow, from 15 to 45 yards.

The BuckMasters event, like bowling pin shooting, isn't nearly as easy as it looks. When I heard about it in '89, it sounded like an easy way to win a new Ford Bronco II (the grand prize) and a couple of Yamaha Big Bear 4x4 rec vehicles, prizes for the winners of each weapon discipline in both the preliminaries and the final.

Continued on page 78



QUARTER MINUTE HANDGUN

By Timothy P. Johnson
Photos by Ichiro Nagata

That's right, quarter-inch groups at 100 yards with the amazing accuracy of Clay Spencer's benchrest handguns.

The genesis of the .22 and 6mm PPC cartridges has evolved over a 50 year period. In the 1930's, the German military began a search for the perfect "practical" battle rifle. Teutonic researchers concluded that the most efficient battle rifle would need an effective range of 500 yards or less, with a 90% kill probability, a high rate of automatic fire and compact dimensions.

An entirely new class of weapons, the Assault Rifle, was born from that research in the form of the *Sturmgewehr* MP-43. German engineers retained the 7.92 bullet of the Kar-98 Mauser rifle, but the Polte manufacturing firm of Magdeburg developed a case fully one third shorter than the Mauser cartridge—the 7.92 Pistol Patron.

Russia gained access to German technology by capturing the weapons of fallen Nazis. Mother Russia, never one to look a gift horse in the mouth, developed its own version of the *Sturmgewehr* MP-43, the 7.62 SKS.

The SKS initially fired the 7.63 Boevoy 1943 cartridge, which again was a scaled down version of its predecessor, the rimmed 7.62 *patron obr 1891*.

Considerably later, the United States matched the efforts of the Germans and the Russians by developing the 7.62 NATO round and the M-14 to fire it.

The trend towards more compact military weapons progressed until Russia was using the AK-47 and the United States



Benchrest Gunsmith Extraordinaire Clay Spencer is very fussy about accuracy and what it takes to achieve it. There are two ways to shoot small groups with a handgun: the Spencer Way and the wrong way. Spencer insists on a match-grade, air-gauged barrel, highly customized XP-100 action, handmade bullets, a certain powder charge, H-S Precision's synthetic stock bedded for the action, and a lot of little tricks of the trade.



had the Stoner System M-16, which fires the 5.56 NATO cartridge.

More recently, the Soviets have gone to the .22 caliber bullet as well, in the form of the AK-74, which was most evident in Afganistan against the Mujahadeen.

Since the shooting sports follow in the foot falls of the military, the .223 (5.56 NATO) has shown itself in many civilian configurations from rifle to wildcat pistol. But what of the 7.62x39 cartridge?

Yes, it too has gone through a civilian metamorphosis. The Russians themselves were the first to "hot rod" the 7.62x39 by creating the .22x39, first used in the now defunct Olympic Running Deer event in the 1962 World Championships. It was later marketed as a sporting round by Sako of Finland as the .220 Russian.

Here in the US, Dr. Louis Palmisano and Roy Vail had been squeezing .220 Swift cases into successively shorter versions in the attempt to create the ultimate bench rest rifle cartridge. After exhausting most of all possibilities of the .220 Swift case, the good doctor was looking for an easier way to reach his goal.

In his own words:

"Some weeks prior to the Super Shoot (the Bench Rest Rifle Championships), I had come across an article by Larry

Sterett (*Handloader* No. 31, 1971). It seemed the possible answer, for it (.220 Russian) was of a shape to meet my requirements and was designed to use a small rifle primer."

Doc Palmisano acquired some .220 Russian cases, only to be pooh-poohed by the notable of the bench rest rifle crowd. The general consensus was that nothing would beat the .222, except the 6x47 on a windy day.

Unlike the others that Doc had asked, Ferris Pindell agreed that the .220 Russian case had definite possibilities and the team of Palmisano-Pindell was born.

When the .22 PPC was first developed, it was named the Pindell-Palm and marketed as a custom bench rest round, with Ferris Pindell as the rifle builder.

The Pindell-Palm team contacted Sako and requested a small lot of .220 Russian brass having the flash holes drilled (as opposed to punched) to .006" and manufactured from 70-30 brass. Sako agreed. The PPC cartridges were evolving.

After considerable experimentation, prototype .22 PPC rounds were sent to the late Dan Pawlak for evaluation. For those readers who do not recognize the name, Dan Pawlak was an interior ballistician and the inventor of Hogdon's



The author dreamed up the dramatic stunt of shooting aspirin tablets at 100 yards to make a show of the gun's accuracy. He also shot itty-bitty silhouette targets and would have shot the wings off a fly if one had landed on his target. All this fun came from the amazingly accurate 6mm PPC cartridge and an H-S Precision barrel (above).

Pyrodex, the black powder substitute.

Dan's comments were very positive to say the least:

"...this is a very low value (8000 psi residual breech pressure) indicating complete consumption of the propellant and a very low muzzle disturbance. I would extend a guess that this is a unique phenomena of the PPC cartridge design. You have, perhaps, one of the more revolutionary concepts in interior ballistics..."

One of Dan's more outrageous tests was to load a case until a chamber pressure of 80,000 psi was reached. The result was only a small amount of deformation, no case head separations, primer leakage, or blown primers. It should be

sufficient to mention the sheer foolishness of attempting to duplicate those tests, which are beyond borderline at best, and unnecessary, in fact.

By the mid-Seventies, many bench rest competitors were left slack jawed, after falling victim to the groups shot by Doc Palmisano and his son. "How did he do that," was the question of the day.

The reader has, probably, by now referred to the cover numerous times to ascertain if this is, in fact, a handgun magazine. But, the simple truth of the matter is that if any group of shooters is respected by handgun metallic silhouette fraternity, it is the bench rest riflemen. Additionally, handgun varmint hunters

can learn much from the single-hole-shooters of the long gun game.

When I became aware of the existence of these cartridges, they had set over 170 world records in both NBS and IBS bench rest rifle competition. Currently, Sako is building their excellent short action bolt action rifles in these chamberings and is importing quality brass.

Long Range Deluxe

Judging by the background, it would seem that either PPC cartridge would be a super long range pistol case. Unfortunately, the reality of the situation was that a number of well known gunsmiths did not feel the project was of any merit.

Often the responses I received echoed those responses received by Doc Palmisano some 15 years earlier:

"The cartridges offer no ballistic improvement over existing wildcats. Chamber reamers are a problem, since chamber dimensions are inconsistent, etc. etc."

Enter Clay Spencer of Spencer Custom Guns, Dept. AH, Route 1, Box 596, Scotsville, VA 24590. Clay may be an unknown entity to the readers of *American Handgunner*, but he is well known as a bench rest rifle gunsmith (and competitor) whose expertise is in building bench rest rifles, silhouette pistols and rechambering T/C barrels.

Two XP-100's were built by Clay and used in our test: one in .22 PPC and the other in 6mm PPC. Both were identically built in the configuration of varmint pistols.

Additionally, Clay had built a 6mm PPC Contender for one of his customer that is almost the equal of the XP's, accuracy-wise.

Being neither a gunsmith nor a machinist, I have forgone my version of the production methods involved in building these pistols for veracity sake. The following techniques described in manufacturing these pistols are directly attributable to Mr. Clay Spencer, in response to my requests.

Spencer On The PPC

"After the XP-100's are disassembled and everything discarded except for the action, bolt, and trigger, I set the action up in my lathe and indicate it in. The lug seats are cut and the threads single pointed to insure squareness.

"I then remove the action from the lathe and replace it with a mandrel into which the action was screwed after indicating the mandrel in. Using a right hand cutting tool, the end of the receiver is faced off. Upon completion of this step, both the action and the mandrel are removed.

"The bolt is then disassembled and mounted on a specially made tap that is made up to fit the back end of the bolt. The back side of the lugs are machined, the Remington extractor removed, and

Continued on page 71



Continued from page 40

By that system the Top Ten and their ratings are:

1. Rob Leatham (2)
2. Jerry Barnhart (6)
2. John Shaw (6)
4. J. Michael Plaxco (7)
5. Ross Seyfried (8)
6. Rick Castelov (10)
7. John Dixon (11)
8. Gary Haltman (13)
9. Chip McCormick (14)
10. Tom Campbell (18)

A similar rating system was applied to the results of the 10 Nationals held in the decade, except each shooter's five best placings were totaled, with the best possible score being, of course, a five.

The purpose of these charts is not to show who was best at any given time—obviously when Seyfried won the world championship in 1981 or Shaw the nationals in 1980 they showed they were the best at that time.

Rather, it is to show which shooters consistently led the way during the decade. Only those who shot in at least five nationals were included, so some of the rising stars like Garcia, Koenig, and Voight don't appear.

The top five in America (actually it came to six, since fifth place was a tie) in the 1980's were:

Number One, Rob Leatham (Rating: 5)



Here he is, The Greatest. Rob Leatham won six U.S. Nationals and three IPSC World championships in his total domination of the Eighties.

One of my friends once told me, "Whenever a magazine writes up an IPSC match, all you guys do is write about Leatham." Guilty, I guess.

One might as well write about hockey and not mention Wayne Gretzky, or about basketball and not mention Kareem Abdul Jabbar. Leatham simply dominated IPSC competition in the Eighties.

Look at the numbers: he competed in nine Nationals and won six.

He competed in three world championships and won all three.

When politics prevented the South African shooters from attending the last world shoot, they held their own "Championship of Champions" match in South Africa—Leatham won that too.

Along the way he won the Steel Challenge, the Bianchi Cup, placed second in the Masters, and won far too many major



J. Michael Plaxco won the 1982 U.S. Nationals with the first compensator, his distinctive design that came to be known simply as "The Plaxco Comp."

and local matches to list. As Tina Turner says, "Simply the Best".

Number Two, J. Michael Plaxco (Rating: 8)

Plaxco won the Nationals in 1982, placed second twice and third once. He is the only shooter to make the Top Sixteen in every year of the decade, never finishing worse than 11th.

Probably his most memorable performance was in 1985, when he broke his shooting-side shoulder in a motorbike accident a couple of weeks before the match. He could barely draw his gun. He needed both arms to get the gun out to shooting position, and still placed sixth.

Plaxco also won many other matches, including Second Chance, Soldier of Fortune, and the Steel Challenge.



John Shaw won the '80 and '81 U.S. Nationals back-to-back with a Clark Bowling Pin Model, a customized Colt 1911 .45 that is primitive by today's standards, but was radical back then.

Number Three, John Shaw (Rating: 13)

Shaw only shot in six Nationals, but he won two of them, in 1980 and '81.

He also won the Steel Challenge and twice placed second at Bianchi, losing only on the tie-breaking X-count. Shaw is considered by many to be perhaps the best all-around shooter, equally adept with autopistol, revolver, rifle, and shotgun.

Shaw was one of the first to realize that practical and action shooting sports were catching on in a big way. John pushed for better prizes, more industry support, and did much to professionalize the sport.

At present he seldom competes, devoting his time to his very successful shooting academy, M.I.S.S.

Number Four, Jerry Barnhart (Rating: 17)

In an article about stock car driver Junior Johnson (*The Last American Hero*) Tom Wolfe notes that there are two types of racers: "chargers," who go flat out to win, always, and "stokers," who lay



Tom Campbell was quite a sensation in the early '80s with Supergun and Supergun II, a pair of custom S&W .45s when Smith only made 9mm's.

back waiting for the others to crash.

He quotes Johnson as saying, "I'd rather lead one lap and fall out of the race than stroke it and finish in the money."

Most shooters, and I suppose most people, are a bit of both. Not Barnhart. He's a charger all the way.

If you want to gather a crowd at an IPSC match, pass the word that Barnhart is about to shoot. The spectators know he might crash and burn; but they also know that if he really hangs a run together it'll be done as well as humanly possible.

"The Burner," as he's called, won in '87 and placed second the next two years by a whisker. He won the Steel Challenge as well as a lot of other major IPSC matches.

Barnhart is still improving his performance under pressure: as one top competitor said rather worriedly, "Jerry doesn't crash much any more, but he sure

does burn!"

Number Five (tie), Tom Campbell (Rating: 19)

Campbell shot a bad (for him) match in 1989, finishing 18th. What's remarkable about Campbell is that for 12 consecutive years prior to 1989 he had placed in the top 16, including third three times and fourth twice.

That's even more remarkable considering the equipment he used. No offense to Smith & Wesson, who are perfectly capable of building a state-of-the-art race gun, but the fact is in the Eighties they didn't.

In the Seventies Campbell built his "Supergun II," a non-comped, nine-shot

never won the Nationals, many people don't realize just how good a shooter he is. Ask any of the other top competitors—they know.

Number Five (tie), Brian Enos (Rating: 19)

Like Campbell, Enos never quite won a Nationals in the Eighties, but he came close, placing second twice and third once.

He did win some other big IPSC matches, plus the Masters and the Bianchi Cup (twice).

While I have great respect for all the top shooters, I have particularly high regard for Enos. In a match he is always calm, controlled, unemotional, technical-



Jerry Barnhart won the 1987 U.S. Nationals with a .45 ACP Colt Government Model. Once the fad for the .38 Super started in 1984, Barnhart was the only man to win a Nationals with a .45 Auto.

.45 that was barely competitive by 1980 standards.

By 1984 it was like trying to race at Indianapolis with a front-engine car.

I can't help thinking that if S&W had put some effort in the early Eighties into building Campbell something really trick, say a compensated 16-shot .38 Super, he'd have won a couple of Nationals for them.

Nonetheless, he did win the European championship. Because Campbell has

ly almost flawless.

His approach to shooting seems to resemble that of the Japanese Zen archers, to whom winning and losing were relatively unimportant; the purpose of their mental and physical training was to reach a state in which the highest level of performance could be achieved, seemingly without effort, under any circumstances.

Before we get too esoteric here, I should mention that Enos is capable of both extreme accuracy and blazing speed—witness his fine score at the Precision Event of the Masters, and his time of 0.93 seconds to draw and hit two targets at the Steel Challenge. No matter what the shooting challenge, Enos is always a strong contender to win.

The best IPSC shooters of the past and present are world-class athletes in every sense of the word (that includes the top women competitors as well, whose achievements will be reviewed in a future column).

Marc Halcon notes, "One of the best things about this sport is the fact that anyone who is willing to learn to handle firearms safely and confidently can compete in big matches with the very best." That's one of the many reasons why IPSC is such a great sport.



Brian Enos never won a Nationals, but he nabbed two Bianchi Cups and a Masters. He's considered the consummate competitor, intense yet relaxed.



PISTOLSMITH

Continued from page 28

damage and accidents that could bend the base plate, spill the magazine contents, etc. Barge cement works well to attach neoprene or leather pads. Be sure to punch a hole for punch insertion to allow magazine disassembly.

These magazines need frequent disassembly and cleaning with patches and solvent, as does any duty magazine. To disassemble, just push the pin inward with a punch or the point of a pen, slide the bottom plate forward and remove the spring, follower and bottom plate.

Fourteen rounds is an awesome potential for a .45 pistol. Use of the large capacity magazine has resulted in two unfamiliar conditions: The frame ramp must be smaller and individual bullet strikes are entirely different than in the Government Model.

When you load a GM magazine to capacity, you'll notice a .075" gap between the top case and the mouth of the next case. The bullet nose can "dive" during stripping until the third round is fed; thereafter, cases are in linear contact. Therefore, bullet strike against the frame ramp changes as the magazine empties.

A fully loaded Para-Ordnance magazine has linear case contact from the first round. Bullet strike is, therefore, quite different than in a GM frame. Feed problems seem to be mostly on the first and last rounds stripped.

A good polish of the feed ramp, prop-

er fitting of the extractor, a non-oxidized, highly polished chamber and a coat of good silicone paste wax on the frame ramp will insure feed reliability.

If you find one of these frames that refuses to feed because the ramp shape or angle has been scored, eroded or ill-advisedly changed, you can save it by fitting a steel frame ramp.

Cut a half-inch length of 3/8" square key stock for your ramp blank. Carefully mount the frame on your milling machine table with the rails dead level and the setup tight. Using a sharp, new 3/8" 4-flute, center cut end mill, cut slowly from the front of the frame to the back.

Do not alternate these cuts. Take your time, use plenty of aluminum cutting fluid, take shallow cuts and cut to a depth of .375".

I would have no qualms about carrying one of these Para-Ordnance frame pistols on duty

When you've removed this section of the frame between the rails you can locate your key stock blank for the screw hole. Use a 2-56 socket head cap screw 1/2" long right at center of mass of the remaining web.

Go through the key stock and frame to proper depth with a #50 tap drill. Enlarge the key stock hole to #42 and countersink this hole #28 to a depth of .250" for the screw head.

The new steel ramp can be roughly

shaped before installation. The top radius is 5/16", cut with a 5/8" ball end mill, .082" deep. Feed ramp angle to suit your conditions. Set in place with epoxy and tighten down with the screw.

This system works with any frame that has a scuffed feed ramp, but often, steel frames only require a 1/4" deep ramp.

Loose Grips

I wish that I had better news, but the grip screws are going to be a problem for some of you. The grips slide around and are disconcerting for many shooters.

They can be glued in place with a double application of rubber cement, but the natural reaction of many is to reef on the grip screws, hammer on the screwdriver handle, then reef some more. This could result in stripped threads in the frame.

There are no separate grip screw bushings because of the size restrictions; the bosses are integral with the frame. If you strip one of these, you can try to re-pitch it with a 12-48 National Special tap.

If that doesn't work, re-tap with a 12-24 NS tap and make a special screw in the lathe with a die. Screw specifications are: .1855" diameter thread by .1545" long. The head is .311" diameter by .072" thick, with a 1/2" radius and screw driver slot.

The assembled pistol fits into and draws freely from most concealment holsters. My duty holster accepts the pistol, but the safety strap won't snap because of the added frame thickness. A longer strap or a custom holster would solve that problem.

Special magazine pouches are necessary. I strongly suggest treating any holster used on the street with a product like Prestone Silicone Spray, available at an auto parts house. Spray the inside, then rub thoroughly with a clean rag. After a few treatments, the pistol will draw like silk.

The Para-Ordnance frame pistols that I range tested functioned flawlessly, after the modifications mentioned, using a wide spectrum of handloaded and factory ammunition. These ranged from H&G 68 loaded cases from a variety of sources to all of the common factory loads carried by local departments.

The only problems I encountered were in trying to feed the old short flat-point bullet designs. These could easily be accommodated by ramp alteration, but in the present instance, they aren't going to be used.

I would have no qualms about carrying one of these Para-Ordnance frame pistols on duty, provided it received adequate care and good maintenance and inspection at frequent intervals.

I think that it's destined to take its place beside the classic designs and it has the added advantage of providing an officer peace of mind through its potential of adequate firepower against unequal odds in a confrontation.

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

FACE FACTS — C-H Progressive Reloading Tools are the Best Buys!

Measure value in Precision, Safety and Long Life (no plastic or pot metal). Thousands in use. Phone (715) 229-2146 or send \$2 for catalog (\$3 back on first order). Use Visa or MasterCard.

DON'T BUY TILL YOU TRY C-H!

C-H TOOL AND DIE CORP.

Dept. AH 106 N. Harding St. - OWEN, WISCONSIN 54460

QUARTER MINUTE

Continued from page 67

the end of the bolt is bored out to accept a bushing which I had previously made up. The bushing is then silver soldered in place, reinserted in the lathe and the bolt face remachined.

"At this point, the bolt can be made to fit any case head size from .222 to magnum head sizes. After ascertaining that all the machining work is perfectly square, the bolt is put into a milling machine and the Sako extractor is installed.

"Following that, the bolt and action are hand-lapped together using various grades of compound to achieve 100% contact between the back of the bolt lugs and the locking recesses. The recoil lug is then surfaced.

"Next, the barrel is mounted in the lathe and indicated in, chambering through the headstock (not between centers) and the barrel tenion cut around that center. After the chamber is finished and headspace done, the barrel was turned and the crown indicated in and out.

"Lastly, the barrel and action are finished. These particular pistols were bead-blasted with aluminum oxide to give the resultant silvery matte finish. The stocks are H-S Precision units that are computer milled from a block of solid aluminum and require no special bedding—just drop in, assemble, and torque down."

"These XP's weigh 9½ pounds and carry 18" barrels, and could easily be referred to as either a maxi pistol or a mini bench sporter.

"As for the Contender, the factory barrel was cut off in front of the lug seat area, inserted in the lathe, indicated in, and bored out using a special set of shucking reamers and drills which I had made up. Then the threads were started using a single point tool to insure straightness.

"I've had some taps ground so that I can finish all the Contender breeches the same size. The tap is inserted in the lathe and is indicated in while being tapped under power. This brings all the threads cut to match the breech.

"I use H-S Precision barrels made from 4-14 to 4-16 stainless. My rationale behind using a segment of the original T/C barrel is to retain the integrity of the block pin hole and the lug seats to facilitate easy mounting on the Contender receiver.

"After the barrel was turned to match the work performed on the T/C breech, the pieces are screwed together and the barrel is left some .020" to .025" longer in order to have sufficient length to insure that an exact fit can be machined.

"Of course, when the barrel/breech assembly is finished in this manner, any interchangeability between this barrel assembly and other T/C receivers may

SPRINGFIELD

Custom



Your fastest, most affordable source for America's highest quality custom pistols.

Want a top notch, high tech 1911-A1 pistol for IPSC competition, similar to the ones used by world class action shooters Doug Koenig, Frank Garcia and Rick Castelow? How about a precise, reliable wadcutter or hardball gun every bit as accurate as the ones used by bullseye champion Tom Woods?

Under the direction of renowned pistolsmith Les Baer, the Springfield Custom Shop employs the very latest patented state-of-the-art technology and uses the highest quality parts to build premium grade 1911-A1 custom pistols. All of our superb custom pistols are built on Springfield's forged 1911-A1 components. Concerned about turnaround time and cost? We're faster than any custom operation you'll find (we're talking weeks, not years). And our prices are extremely competitive. For the ultimate in value and fast delivery, choose one of our popular custom packages. Or, give us your specifications and we'll build your custom pistol precisely the way you want it, including any of several optional finishes. Quality? We'll guarantee your satisfaction or your money back.

For a complete list of custom services or for ordering information, call Karen at the Springfield Custom Shop: (309) 441-5549. Or, send \$3 for Springfield's four-color, all-product 1990 catalog.

The Oldest Name In American Firearms

SPRINGFIELD ARMORY®

Section SR-35 ■ 420 West Main Street ■ Geneseo, IL 61254



The Advantage Grip System

GET A GRIP ON YOUR '45' AND REDUCE RECOIL

- Guaranteed 17% recoil reduction
- Faster shot to shot recovery
- Thick tapered hand-filling grips
- Built in magazine loading chute
- Milled for ambidexterous safety
- Simple screw on installation

New improved Advantage Grip System with enlarged magazine loading chute. Complete with checkered walnut stocks and steel bushing grip inserts installed. Fits Colt Gov't. Model 1911 A1 and all currently manufactured copies. • \$55.00 - Add \$4.00 postage and handling. • CA residents add 6½% sales tax. • Dealer inquires invited. • Write for brochure and mathematical calculations that prove the recoil reduction. • Call for C.O.D. orders.

Jack Breskovich Advantage

COMPETITION SHOOTING ACCESSORIES

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



THE RECOIL REDUCING GRIP SYSTEM

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.



be lost, dependent upon how precisely the other T/C receiver matches the one that this barrel/breech assembly was custom fit for.

"After that dimension was cut, I put the whole assembly back into the lathe and indicated it back to center. Then, I cut the chamber and the actual shooting barrel. This finished Contender has a 16" barrel and a forearm made from an old piece of Winchester rifle stock.

"I did the tapering back and final inletting of the barrel to insure a proper fit between the barrel, and the receiver and forearm assemblies. Then I drilled the stock and tapped the screw holes so that a proper fit could be achieved between the receiver and the forearm."

Numbthumb Butts In

If this workload were not enough, our old buddy S.A. Numbthumb wanted to get in on the act. The "Thumb," undoubtedly under the tutelage of editor Cameron Hopkins, had some rather grandiose plans concerning the introduction of an entire line of silhouette cartridges.

The last we saw of him, he was crying into the phone (collect) trying to get the backing of every manufacturer in the western hemisphere for his schemes. Judging by the look in his eyes (bloodshot), I have a strong suspicion that his is not the final chapter on the S.A. series.

Back To Business

Prior to proceeding with this evaluation, certain facts must be clarified with regards to the chamber dimensions (more specifically neck dimensions) of these pistols. The bench rest .22 PPC has a neck diameter of from .244" to .246" OD, whereas the .22 PPC-USA has a neck diameter of from .250" to .251" OD.

The 6mm PPC has a neck diameter of .262", whereas the 6mm PPC-USA measures from .268" to .269" OD. If one can succeed in chambering either the .22 or 6mm PPC-USA cartridges into firearms having chambers formed with the bench rest tight neck dimension reamers, then I would suspect excessively high pressures would be the result.

In fact, there have been some reports of this exact occurrence happening in rifles to date. But in general, since these chamberings have until only recently been the forte of bench rest shooters, who are in my opinion the most technologically astute individuals involved in any of the shooting sports, problems of this sort have been rare.

The converse (PPC cases having Sako style necks) is easily possible, but I would expect accuracy to suffer.

Good Bullets

One of the (not so) secrets responsible for firing the one hole groups so prevalent today is to selectively cull your bullets. It is an easy procedure to weigh bul-

Wichita Insta-Comp

The Affordable Alternative
No Gunsmithing Required
\$99.95 without sight
(Model WIC-1)*

The Wichita Insta-Comp has been designed for the competitive and non-competitive shooter.

The gas chamber inside the Wichita Insta-Comp is designed to capture the gas and exhaust it through the two vertical ports. With this arrangement, combined with the additional weight, the muzzle jump is reduced significantly.

EASY INSTALLATION No Special Tools. No Fitting. Nothing else to buy.

Remove your barrel bushing and recoil spring plug. Replace with the Wichita Insta-Comp and our recoil spring plug. You are now ready to shoot your comped gun.

Model WIC-2 has a front sight (target or combat, your choice) \$119.95

Model WIC-1 or WIC-2 and our slide conversion \$272.90**

(Bury rear Wichita Sight, permanently mounted. Front sight on slide or comp. Mill flat on top of slide, and lower port for easier ejection)

*Firearm, slide or rear sight not included.

**We need your slide sent to us for this work.

Dealer prices available
Send signed FFL & Tax #

Wichita Arms, Inc.

444 Ellis, P.O. Box 11371, Wichita, Kansas 67211
(316) 265-0661



NOW YOU CAN HAVE THE BEST!! CUSTOM HANDGUN STOCKS



Presentation Grade stocks.
Fancy American & Exotic Woods
Fitted to Your Hand measurements.
The Superior Craftsmanship That
You Demand For Your Gun.

ILLUSTRATED BROCHURE \$2.00
(Refundable With Order)

NEWELL CUSTOM STOCKS

55 Coyote St., DEPT AH, Los Alamos, NM 87544

NEW
TECHNOLOGY



Radar Warning Breakthrough

Digital Signal Processing (DSP) allows new ESCORT to warn you of traffic radar much sooner than previously possible

When we introduced the original ESCORT in 1978, its superheterodyne technology provided an incredible increase in warning distance. One magazine said we "struck panic into the whole radar detector industry."

Our new ESCORT will have the same effect.

History repeats itself

Since 1978, we've continued to advance the science of radar warning, and our original ESCORT and PASSPORT have won test after test. But we've never stopped working to develop another breakthrough to redefine radar detection again. And now we've done it.

Incredible new technology

Our all-new ESCORT provides an incredible increase in detection distance. And it's only a fraction of the size of the original ESCORT. The key is Digital Signal Processing (DSP), an incredible computer technology.

DSP is used by NASA to create detailed space photos from blurry images. It's used to deliver sharp images of internal tissue from medical scanners. It's used by military radar to distinguish enemy from friendly aircraft.

And now we're using DSP to find radar signals too weak to be detected by conventional technologies.



The heart of ESCORT's DSP circuitry is a custom version of the Motorola DSP 56000. This 20 MHz 24 bit parallel HCMOS processor is capable of 10.25 million instructions per second, and is also used in Steve Jobs' new \$10,000 NeXT computer.

How it works

The new ESCORT's DSP circuitry samples incoming radar signals 50,000 times a second, slicing them into discrete bits of information. This information is digitized and continuously analyzed by an incredibly fast signal recognition computer. The end result is remarkable.

Breakthrough performance

ESCORT's advanced signal processing provides an incredible increase in sensitivity on both bands. Quite simply, this means that the new ESCORT picks up radar signals further away than was ever before possible, even distant instant-on radar signals. And its advanced City/Highway circuitry lets you optimize ESCORT's warning system for either driving environment.

"The new Escort packs ultimate sensitivity into a small package. Nothing else even comes close, and no wonder... No analog device can hope to match this performance."

BMW Roundel

Intuitive warning system

ESCORT's warning system keeps you fully informed. Upon radar contact, ESCORT's alert lamp glows and its variable-pulse audio begins a slow warning. Simultaneously a bar graph of Hewlett Packard LEDs shows radar proximity.

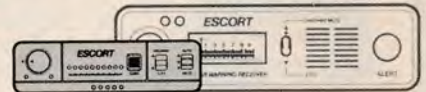
As you get closer, the audio pulse quickens and the bar graph lengthens. You'll understand ESCORT the first time you use it.

No compromise design

We've spared no expense in making ESCORT the best equipped radar detector ever. A photocell adjusts the visual display for the light level in your car (there's also a Dark mode for more discreet operation).

ESCORT's adjustable volume and Mute switch let you adjust the audio level, and we've added a new "AutoMute" that automatically turns the volume down after the initial alert.

ESCORT's aluminum housing, finished in non-glare black, provides ruggedness that will last for years and years, unlike plastic housings. And ESCORT comes complete, period.



The new ESCORT is only 7/8" high and 3 1/4" wide.

All accessories included

For installation, ESCORT comes with both visor clip and windshield mount. For power connection, we supply both a coiled and a straight cord to plug into your car's lighter. There's also a cord for permanent wiring into your car's electrical system, if you prefer.

We even include a leather carrying case, which fits easily in a coat pocket or briefcase, so you'll always have ESCORT with you.

Test-drive ESCORT at no risk

For more information, or to place an order, just call us toll-free. We only sell direct from our factory to you, and we guarantee your satisfaction.

After you receive ESCORT, if you're not completely satisfied within 30 days, just return it. We'll refund all your money and your return shipping costs. There are no hidden charges.

With the new ESCORT, we've revolutionized radar detection again. But don't take our word for it. Order today and see for yourself.

Toll Free 1-800-543-1608

Call 24 hours, 7 days a week



ESCORT

RADAR WARNING RECEIVER

\$295 Ohio residents add \$16.23 sales tax
Prices slightly higher in Canada

Cincinnati Microwave
Department 039450
One Microwave Plaza
Cincinnati, Ohio 45249

© 1990 CMI

New Anti-theft System

Escort comes with a tiny "Digital Key" to put on your keyring. When you first receive your Escort, and then about every two months, you'll use your Digital Key to "unlock" your Escort.

For someone who doesn't have the proper Digital Key, your Escort simply won't work.

So while your Escort is valuable to you, it's of little value to a thief.

Our new Digital Key security system will help keep your new Escort yours.



Actual size cutaway of Digital Key

The finest handgun grips

For our new color brochure and the location of your nearest Hogue dealer

CALL TOLL FREE

1-800-GET GRIP

IN CALIFORNIA CALL 805 / 466-6286 / 466-4100

Hogue features a complete line of fancy hardwoods, nylon and soft rubber grips designed for all popular revolvers and automatics.

HOGUE GRIPS

Originator and Maker of the MONOGRIP®

If unavailable at a dealer close by, order direct.



6 qt.



not just 3. Give yourself Twice the capacity for your money. The Durability of all steel construction and fully enclosed Thermally protected, ball bearing motor.

- Handles 2-300 Rifle up to 700 pistol cases
- Fast Quiet and Safe
- Full Year Warranty
- Designed and mfg. by Tru Square Metal Products building Case Polishers for 27 years
- Versatile - Polishes Brass Cases Silverware Fishing Lures Coins Jewelry Deburrs and Polishes Metal Parts



ULTRA-VIBE 18

Thumler's — Tru Square Metal Products

Order Toll Free 1-800-225-1017 or (206) 833-2310 Call for More Information!



PARA ORDNANCE FINISH KITS	\$239. ⁵⁰
PARA ORDNANCE PISTOL	\$550. ⁰⁰
BASIC 1911A1 (SERIES 70)	\$330. ⁰⁰
BULLSEYE PISTOL	\$695. ⁰⁰
I.P.S.C. (PICTURED)	\$1095. ⁰⁰
COMMANDERS	\$450. ⁰⁰
UPPER UNITS	\$169. ⁹⁵
LOWER UNITS	\$189. ⁹⁵
PISTOLS TESTED	\$50. ⁰⁰
*LITERATURE	\$1. ⁰⁰

2-14 WEEK DELIVERY - ALL PRICES + SHIPPING

- ★ BULLSEYE
- ★ I.P.S.C.
- ★ PPC
- ★ CANS
- ★ SELF DEFENSE
- ★ COLT & SPRINGFIELD SLIDES
- ★ CUSTOM WORK

ALEX B. HAMILTON
MEMBER
AMERICAN PISTOLSMITH
GUILD



10-RING PRECISION, INC.

1449 Blue Crest Lane • San Antonio, Texas 78232
1-512-494-3063 • 9 a.m. - 3 p.m. Tues.-Fri.

TRU FLIGHT bullets

PROVEN PERFORMANCE / NRA ACTION RECORDS SET
All Bullets hard cast from 100% virgin alloy.

.45 CAL. 200 GR. BBSWC 180 GR. FB FNSWC	.44 CAL. 225 GR. BBTC	10 mm 175 GR. BBTC	38 CAL. 357/SUPER 155 GR. BBSWC 140 GR. BBSWC 148 GR. DEWC
9 mm 125 GR. BBTC			

Custom Sizing Available!

Guaranteed Satisfaction!



TRUE FLIGHT BULLET COMPANY

57 N. MOUNTAIN BLVD. • MOUNTAIN TOP, PA 18707

(800) 448-8306

lets on a scale and to measure the outside diameter with either a micrometer or a caliper, however, until recently, any variation in jacket thickness, air bubbles, or any other internal flaws, were impossible to discern.

This is no longer the case, thanks to Vern Junkes' *Internal Concentricity Comparator*. Vern's machine will be the cause of great consternation among bullet manufacturers, if it ever achieves common usage. The sensitivity of this device is such that merely rubbing a bullet between the palms of your hands will cause it to register a different reading than was previously recorded prior to such action.

This degree of precision may be looked upon as overkill, however, considering that such methods have resulted in under one-quarter MOA groups, in my opinion, precludes their being faulted as unnecessary.

It may seem sacrilegious to say it, but given the choice of purchasing Vern's machine or a chronograph, the chronograph will have to wait!

Clay's method of using the Internal Concentricity Comparator is to separate those bullets showing a three increment deviation in reading as registered on the equipment's gauge.

Any bullet that will not "settle," causing the needle to waiver like a tachometer on a race car, is trashed. This bullet obviously has internal flaws and would be one of those unexplained "flyers" so often mentioned by gun writers. In other words, we were taking the rap for a bum bullet and didn't even realize it!

Another procedure that has proven itself is loading by Volume rather than Weight. The theory (in actuality, scientific fact) is that if it takes 20,000 particles to fill X-amount of space, it will always take 20,000 particles to fill the same X-space, regardless of where that space is or the atmosphere that X-amount of space has been subjected to.

The bench rest fraternity uses a Lyman 55 powder measure, that has been modified by the addition of the Culver insert (referred to as the Lyman-Culver 55) to meter out their charges in "clicks." This device has the reputation of not only being consistent with itself, but it is also consistent with other Culver modified Lyman 55 powder measures.

It is the norm among bench rest rifle-men to refer to their powder charges in the PPC cases as, say, "42 clicks."

"Clicks" and "grains" are *not* compatible.

For example, the 49.5 "clicks" of H-322 that Bob Sutton gives as a loading for his .22 PPC XP-100, if confused as a weight in grains, would about fill a .308 case! No way could you fit such a weight in a case the size a PPC (USA or benchrest, .22 or 6mm).

Anticipating a disgruntled reader six months from now writing in, "I got Clay Spencer to build me one those XPs in

6mm, and *mine* won't shoot that good!" causes me to reiterate that these pistols are precision instruments. Your loading components, especially bullets, must be equally precise, otherwise your results will not equal what is reported here.

Test Firing

Before introducing the targets, the mental attitude of the shooters should be discussed. Frankly, neither of us wanted to shoot. Clay had recently competed in the Super Shoot, placing in the top 20 in the aggregate, put in excess of 44 hours at his nine to five job, gone on a three day fishing trip, and attended a funeral upon his return.

Furthermore, Clay was somewhat less than enthusiastic about the article, saying, "How do you demonstrate the precision of these groups to people that are used to thinking in terms of MOA?"

I was apprehensive about shooting the pistol since I do not rate as the world's greatest long distance pistol shot on a good day. It is disquieting to know from the outset that you haven't any excuses. Needless to say, neither of us were prime examples of that "positive attitude" so often spoken of.

Clay had unilaterally decided that he would sight the gun in and I would do the shooting. Conditions were less than ideal, having intermittent gusts of wind blowing in an easterly direction at 15 mph. Clay's first group of his sighter series was .550" x .490" measuring .325" center to center for five shots.

It may be hard for the reader to accept, but this group only rates "good" for Clay and his XP— not outstanding. My first group was a killer 1 1/4 inches that did little to allay my previous judgement of my shooting abilities.

Shooting Aspirins

Having exhausted our ammunition, Clay went in to reload and I went back to the truck to retrieve my "special targets." Upon his return, I posed the question, "Do you want a challenge?"

"What do you have in mind", Clay responded.

"How about shooting aspirin tablets at 100 meters", I asked, producing a dark blue poster board having three florescent 1/2 inch Target Dots with white aspirin tablets glued to them.

As a warm up exercise I also had two rolls of Target Dot Instant Silhouette Targets of the NRA reduced variety. These targets measure: 1.25 x .899 inches for the Chicken, 1.375 x .720 inches for the Pig, .910 x .825 inches for the Turkey and 1.0 x .845 inches for the Ram.

Clay developed a twinkle in his eye, indicative of his interest being aroused. We shot the silhouettes first, since compared to the aspirin tablet of .410" inches, they were the easier target.

Clay's results on these bumble bee sized silhouettes were two shots measur-

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

153 GR. .45!

Makes 190 Power Factor Safely

Vic Lite™ 153GR
.45 BULLETS

HARD Lead Semi-Wadcutter Sized .452

• Compete equally against .38 Sup. & 10mm
• Extremely accurate bullet • Feeds reliably
• SAMMI pressure specs & load data supplied • 10% Off to IPSC members

\$35

per thou. + SH

FREE SH for 10 THOU. & UP to 48 States

VIC INTERNATIONAL (216) 572-0323 We Build Full-House Guns
18056 Ledgepoint Pl. • Strongsville, OH 44136

THE DILLON RL1050

\$895.95

Includes
Electric
Case
feeder,
Dies and
Powder
Measure

The Dillon RL1050 has been in production for just over a year now, and the response has been tremendous. The reviews by both gun writers and high volume shooters have been damn near embarrassing in their praise of the RL1050.

The RL1050 had its origin in the requests of many customers for a press with a higher capacity than the well known



Dillon RL550B, yet without the high price tag of other commercial reloaders.

The RL1050 is capable of production rates in excess of 1300 rounds per hour! As Ross Seyfried said of the RL1050 in *Guns & Ammo Magazine*, "the loading speed and raw power of this machine are products of its design, it's generally more than we need, but never less than we want".

Priced at **\$895.00**, complete with dies, the Dillon RL1050 reloads most popular pistol calibers and .223 rifle.

ORDER NOW

Call us **TOLL FREE**. A member of our staff will be glad to take your order. Please have your Visa or Master Card ready when you call. If you prefer, we will ship C.O.D. cash with no extra C.O.D. charge.

Call Toll Free: **1-800-421-7632**. In Arizona **602-948-8009**.

Free Catalog: Catalog and newsletter membership. Please write.

Dillon
Precision
Products, Inc.

7442 E. Butherus Drive
Scottsdale, AZ 85260

TOP GUN

accessories from the number one source for championship-proven, precision custom parts and equipment.

NEW ITEM

B.A.T. PRO V TWIN PORT SLIDE CONVERSION



\$895

NEW ITEM

ED BROWN STAINLESS AMBI SAFETY STAINLESS



\$54.95

HANDGUN CUSTOM ACCESSORIES

Wilson Combat

Extended Safeties Blue or Stainless	Save\$\$\$
Extended Slide Release Blue or Stain.	Save\$\$\$
Extended Combat Ejector	Save\$\$\$
Match Stainless Barrels	Save\$\$\$
Extended Magazine Button	Save\$\$\$
Match Trigger w/3 Holes	Save\$\$\$
Commander Hammer Blue or Stainless	Save\$\$\$
Beavertail Grip Safety Blue or Stain.	Save\$\$\$
Shok-Buffers (6 Pk.)	Save\$\$\$
Combat 3 Dot Sights	Save\$\$\$
Full Length Recoil Guide Gov./CC	Save\$\$\$
Magazine Well Funnel Blue or Stain.	Save\$\$\$
Checked Mainspring Housing	Save\$\$\$
Recoil Springs, 8,9,10,12,15,17,18 Lbs.	Save\$\$\$
Safariarms Ext. Safeties Blue or Sta.	\$19.95
Safariarms Ext. Ambi Safety	\$29.95

Ed Brown Products

New 1911 Ambi Safety Stainless	\$54.95
New 1911 Ambi Safety Blue	\$49.95
Hi-Sweep Beavertail Grip Safety Blue	\$29.95
Hi-Sweep Beavertail Grip Safety Stain	\$31.95
Match Grade Commander Hammer Blue	\$32.95
Match Grade Commander Hammer Stain.	\$35.95

Magazines & Speedloaders

Metalform Magazines with Pads	\$19.95
Shooting Star 38 Super 10rds Mag	\$27.95
Shooting Star 45 ACP S/S Mag	\$22.50
Safari Comp II Speedloader	\$ 7.95
Safari Comp III Speedloader	\$11.95

Action Tune-Up Kits

S&W K/L/N Spring Kit	\$12.50
Colt 1911 Spring Kit	\$15.45
S&W J. Frame Spring Kit	\$ 9.60
Beretta/Taurus 92 Spring Kit	\$14.50
Sig-Sauer P226 Spring Kit	\$ 9.60

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	\$149.95
IPSC U.S. Nationals Video	\$ 49.95
Steel Challenge Video	\$ 49.95
Bianchi Cup Video	\$ 49.95

B.A.T. Products

B.A.T. Ultra-Mag Brass Pads 2Pk.	\$ 9.95
B.A.T. Ultra-Comp 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 Stainless Hammer	\$ 28.95

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	\$38.95
Adjustable Single Mag Pouch BBW	\$17.55
Double Mag Pouch BBW	\$26.55
Triple Magazine Pouch BBW	\$36.55
Competition Triple Speedloader Pouch	\$18.50

Chip McCormick Products

New Titanium Super Light Trigger	\$29.95
McCormick Square Commander Hammer	\$76.00
Nastoff McCormick Commander Hammer	\$76.00
McCormick Prepped Sear	\$22.95

Timers & Chronographs

Pro-Timer III	\$225.00
Pro-Tach Chronograph	\$129.95
TNT Timer and Chronograph	\$325.00

Sights

Bo-Mar BMCS Competition Rear Sight	\$59.95
Bo-Mar Undercut Competition Front Sight	\$ 9.50
Wichita Combat Rear Sight	\$59.95

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
"Hallow's 45 Handbook"	\$11.95
"Combat Handgunnery New Edition"	\$14.95

ing .560" center to center on the Chicken, two shots .205" on the Pig, .257" for the two shots on the Ram, and a phenomenal three shot .235" group on the Turkey.

"Shall we try the aspirin tablets now," Clay asked.

He broke the first aspirin tablet (remember this is 100 meters, 110 yards!) with a 12 o'clock hit. Clay missed the second by a mere .165", then hit the third aspirin with a 3 o'clock hit.

After reloading, Clay hit the #2 aspirin with a 3 o'clock hit. We had three rounds left and Clay suggested that I shoot them.

After witnessing a shooting display like I just had, believe me, intimidated is an insignificant description of my feelings.

Clay pointed out the aiming point some 1/8 inch left of the Turkey and vertically centered. Additionally, Clay told me when to shoot, drawing on his bench rest developed wind doping ability.

I am happy (relieved is more like it) to report that I hit the Turkey in the breast with the first shot.

"Coach" Spencer said to halve the distance horizontally of my previous shot and to hold off firing until the wind settled. My second shot was dead center.

"Just do it like that one more time," Clay advised.

I did! My group was .335" center to

Could these be The Ultimate Long Range Pistol Cartridges?

center for these three shots and the second and third shots were one hole measuring .215" outside diameter. All things considered, a truly remarkable day!

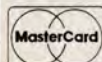
To those doubting Thomas' out there, we fired eight groups (16 shots), all but one under 1/2 inch! Far too many shots were fired and by two different shooters for the results to be discounted as a fluke. Simply outstanding accuracy!

Clay summarized after shooting a sub 1/4 MOA group, "The easiest way to have this gun shoot a 1 1/2 inch group is to run down to the local gunshop, grab a box of bullets off the shelf, go home and load em up and, presto, instant awful!"

That a 1 1/2" group shot by a pistol could be looked upon as "awful" is a staggering concept to say the least.

If one would have his pistol live up to the potential Clay builds them to achieve, some suggestions are in order. Bullets by the listed custom manufacturers have been found to be the best in PPCs. The powder is H-322. Primers are generally either Remington or Federal BR. Cases are formed from Sako .220 Russian as "Doc" Palmisano had originally theorized.

Vern Junke's Internal Concentricity Comparator is almost mandatory to be sure of grouping under 1/2 inch. If these methods are religiously adhered to, the



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



1-800-553-0844

FOR ORDERS ONLY

results will be as reported—if the shooter does his part.

All of this brings us around full circle. Could these be The Ultimate Long Range Pistol Cartridges?

The word "ultimate" leads me to say that we haven't quite worked with them long enough nor has a comparative series of tests been made between the PPC cartridges and other esoteric wildcats that individuals are currently experimenting with to make that claim.

But I will say that if they are not the "ultimate," then they are close enough to it to warrant mine currently being on order!



Custom Bullet Makers

Internal Concentricity Comparator

Vern Junke

The Accuracy Den
25 Bitterbush Road
Reno, NV 89523

custom precision bullets

Jeff Fowler

Rt. 3, Box 37A
South New Hope Road
Gastonia, NC 28054

custom precision bullets

Walt Berger

4234 North 63rd Ave.
Phoenix, AZ 85033

custom precision bullets

Ed Watson

2404 Wade Hampton Blvd.
Greenville, SC 29615

WALLER

NORWALK-CONNECTICUT-USA

Waller Bags and Cases, created for shooters, are made in the USA and considered the finest available. Featuring child resistant integral, keyed safety lock; internal 2-ply, aluminized heat/fire shield. If displeased with any Waller product, it will be replaced or your purchase price refunded.



Waller Soft Safe®
\$39.00
\$46.00

Colors: Black, Grey, Navy, Red
Size: 9" H x 12" W and 9" H x 18" W and MC accepted

Call Toll Free: 1-800-874-BAGS or in CT: 1-838-4083
Send \$2.00 for catalogue

W · WALLER · & · SON · INC
142 New Canaan Ave • Norwalk, Connecticut 06850



YELLOWSTONE
CASTING CORP.
P.O. Box 331 - Sidney, MT 59270
(406) 482-4800

0190

*Satisfaction
Guaranteed*

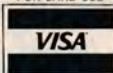
Freight paid per 1000
10/m price is plus freight

SUPREME HARD CAST BULLETS

#380 380 100 Gr. RN-BB Size 356 \$29.00 per 1000 \$23.00 10/m FOB	#115 9mm 123 Gr. RN-BB Size 356-357 \$30.00 per 1000 \$23.00 10/m FOB	#309 9mm 125 Gr. TC-BB Size 356-357 \$30.00 per 1000 \$23.00 10/m FOB	#389 9mm 140 Gr. RN-BB Size 356-357 \$30.50 per 1000 \$23.50 10/m FOB
#73 38 Super 141 Gr. SWC-BB Size 356-357 \$30.50 per 1000 \$23.50 10/m FOB	#930 38 Super 153 Gr. SWC-BB Size 356-357 \$32.50 per 1000 \$23.50 10/m FOB	#50 38 Spec 146 Gr. WC-BB Size 358 \$31.50 per 1000 \$23.50 10/m FOB	#334 38 Spec 145 Gr. WCD-BB Size 358 \$31.50 per 1000 \$23.50 10/m FOB
#801 38-357 158 Gr. SWC-BB Size 357-358 \$32.50 per 1000 \$23.50 10/m FOB	#391 38-357 160 Gr. RN-BB Size 356-357-358 \$32.50 per 1000 \$23.50 10/m FOB	#316 38-357 160 Gr. TC-BB Size 356-357-358 \$32.50 per 1000 \$23.50 10/m FOB	#43 10mm 170 Gr. TC-BB Size 401 \$36.50 per 1000 \$27.50 10/m FOB
#47 10mm 200 Gr. TC-BB Size 401 \$38.00 per 1000 \$28.00 10/m FOB	#45 10mm 170 Gr. SWC-BB Size 401 \$36.50 per 1000 \$27.50 10/m FOB	#48 10mm 200 Gr. SWC-BB Size 401 \$38.00 per 1000 \$28.00 10/m FOB	#416 41 AX 170 Gr. SWC-BB Size 411 \$37.50 per 1000 \$27.50 10/m FOB
#413 41 Mag 220 Gr. TC-BB Size 411 \$41.00 per 1000 \$29.00 10/m FOB	#330 44 Mag 201 Gr. SWC-BB Size 427-430 \$40.00 per 1000 \$29.00 10/m FOB	#450 44 Mag 245 Gr. SWC-BB Size 427-430 \$42.00 per 1000 \$30.00 10/m FOB	#65 45 Acp 178 Gr. SWC-BB Size 452 \$38.00 per 1000 \$28.00 10/m FOB
#68 45 Acp 197 Gr. SWC-BB Size 452 \$38.00 per 1000 \$28.00 10/m FOB	#457 45 Acp 228 Gr. RN-BB Size 452 \$41.00 per 1000 \$29.00 10/m FOB	#67 45 Acp 228 Gr. TC-BB Size 452 \$41.00 per 1000 \$29.00 10/m FOB	#46 45 L.C. 240 Gr. SWC-BB Size 452 \$42.00 per 1000 \$30.00 10/m FOB

We use only VIRGIN ALLOY in the production of our supreme grade hard cast bullets. All bullets are produced on fully automated casting machines and automatic sizer/lubricator machines to assure our customers the finest quality and consistency - BULLET AFTER BULLET. All bullets are sized to the exact diameter required and at the same time they are lubricated under pressure with our high temperature, smokeless, non-sticky bullet lubricate. Hard Cast Bullets are available in two different package styles. Packaged per thousand for our direct customers. Packaged bulk for manufacturers. Manufacturers call for large volume discounts. LBT Test of 30.

NO CHARGE FOR CARD USE



IT IS OK TO MIX TYPES AND CALIBERS TO COME UP WITH 10/m PRICE PROVIDING THEY ARE ORDERED IN FULL CASE LOTS AS SPECIFIED.

BULK ORDERS OF CAST BULLETS ARE SHIPPED BY TRUCK FREIGHT COLLECT.

CALL FOR FREIGHT DISCOUNT AMOUNT.

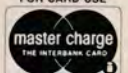
ALL PRICES IN THIS SUPPLEMENT ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Orders paid by business or personal checks are held for 20 days for check clearance before processing.

You must include your phone number with your order.

NO FFL NEEDED — IF YOU CAN FIND A MORE ACCURATE BULLET WE WANT TO KNOW WHO.

NO CHARGE FOR CARD USE



NEW MODEL CHRONY CHRONOGRAPH

Ok, all you shooting enthusiasts out there, I'm looking at you.

I'm the New Model 'F-1', the younger brother of the Models F & M.

Red is my new color, no longer green.

In fact, I'm red hot.

Inside me is a special circuitry designed to calibrate me electronically at the factory. This makes me more accurate and allows me to work under a wider range of light conditions, indoors or outdoors. Compare me for price, performance and convenience; I'm the best deal in town and I'm the handiest, period.

I weigh less than 2.5 lbs. and everybody surely can afford me at a Suggested Retail Price of **\$99.95**.

Ask your dealer/distributor!

Carrying Case

Now you can carry your CHRONY to the range in its own case. Black imitation leather; when bought with CHRONY \$16.95. When bought alone \$18.95. Own Initials (two), goldstamped, \$5.95. (allow 6 wks. for initials). Add \$3.50 shipping. Money Order; VISA, MC. Give # & expiry date. Write, or call (416) 276-6292 EST.

CHRONY Ballistics Program

for IBM, Apple, MacIntosh, \$34.95 plus \$3.50 shipping. Demo disk \$5.00 plus \$3.50 shipping. \$5.00 refundable w. purchase. Money Order; VISA, MC. Give # & exp. date. Write, or call (416) 276-6292 EST.

SHOOTING CHRONY INC.

P.O. Box 101, LPO, Dept AHG5, Niagara Falls, NY 14304



THE AFFORDABLE COMPENSATORS for 1911 TYPE PISTOLS

**B.A.T. ULTRA-COMP I
COMPENSATOR KIT:**
• Govt. 45 ACP
• 5 1/4" Match Barrel
• Bushing Wrench & Locrite
• Suggested Retail \$189.95



B.A.T. ULTRA-COMP:

- Gov't 45 Acp 9 mm/38 Super
- Length 1 7/16" inches
- Weight 3 oz.
- Minor fitting
- Suggested retail \$69.95



**B.A.T. ULTRA-COMP III
COMPENSATOR KIT:**
• Govt. 45 ACP
• 5 1/4" Match Barrel
• Full-Profile Compensator
• Full length spring guide
• Bushing wrench & locrite
• Suggested Retail \$299.95



**DEALER'S INQUIRIES WELCOMED
SEND FFL FOR DEALER PRICES
SEND \$3.00 FOR CATALOG
INFO. & CUSTOMER SERVICE (305) 221-6381**



**ORDER DESK ONLY
1-800-553-0844**
FREE SHIPPING IN CONTINENTAL U.S.A.



**SHOOTER'S DEPOT
P.O. BOX 3238
HIALEAH, FL 33013**

BUCKMASTER

Continued from page 63

I immediately plunked down my entry fees. The charge is \$350 per discipline in the prelims and \$500 per discipline for the finals.

May 31st found your reporter in Daytona Beach, suited up and ready to go.

So what if I'd never shot from a tree-stand before? It couldn't be that hard.

I was more used to open sights than scopes, and my super-accurate 8" Colt Python stainless would do 3 1/2" from the bench at 100 yards.

Along for the ride was my Steyr Professional .30-'06 with 2-7x Burris scope, a sub-MOA rifle that would laugh in scorn at an 8x10" hit zone at 175 yards.

And then I got into the damn tree-stand, which I hadn't bothered to practice from. At Daytona, they were mounted atop sawn-off poles with nothing to lean back against, and the recoil of the first Hornady 150 grain .30-'06 load damn near knocked me out of my perch.

My following shots suffered, not from flinch, but from cringe.

Cringe is when, believing that you are going to plunge to your death when the next shot goes off, your entire body convulses forward involuntarily as you apply the last few ounces to the trigger. It was all I could do to shoot a rifle score that qualified me for the finals.

On to the pistol. Yes, iron sights hit at 100 yards—but they don't let you identify antlers against bushy background. I may have set the BuckMasters record for shooting does, and though my sixth place overall was high for iron sights at the Daytona preliminary, the first thing I put on my list for the finals was to have gunsmith Brad Lewis at Riley's Sport Shop, 1575 Hooksett Road, Dept. AH, NH, 03106 drill and tap the Python for a Leupold mount carrying a 4x B&L pistol scope.

Guns Of The BuckMasters

There have thus far been four BuckMasters events. Callaway Gardens in 1988 saw Ken Kiger of North Carolina win Pistol using a Ruger Redhawk and 2x Leupold scope, with Samson ammo. In second place was Larry Lindsey of Alabama, using 7 1/2" Freedom Arms .454 Casull with factory-furnished 260 grain ammo and the same scope as Kiger.

The Daytona preliminary saw the same two men in the same two places with the same two guns. These were clearly the dynamic duo to beat.

Then came the second '89 preliminary at Destin, Fla. Mickey Fowler, one of the all-time great professional handgunners, was out of retirement and fresh from a warmup six weeks before at the Bianchi Cup he once ruled for a string of three victories that has never been equalled.

Also on the line was Ohio's Blackie

1990

GUN PARTS CORP

SUCCESSORS TO NUMRICH ARMS PARTS DIVISION
THE WORLD'S LARGEST SUPPLIER OF GUN PARTS

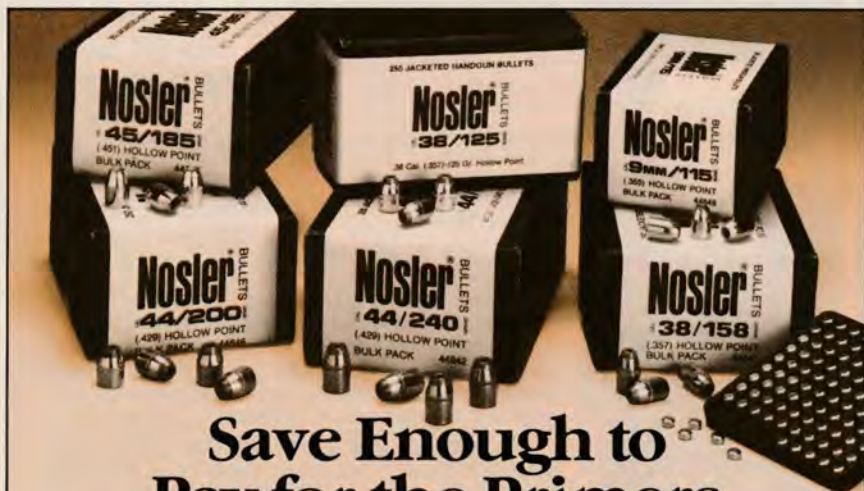
FEATURING AN INVENTORY OF
350 Million GUN PARTS

Featuring an inventory of over 350 million gun parts in house. A 500+ 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 —
SURFACE FOREIGN - \$10.95
AIRMAIL WRITE FOR QUOTE \$5.95
U.S. send

15th
EDITION
CATALOG



GUN PARTS CORP. BOX AH5 W. HURLEY, NY 12491 914-679-2417 TELEX 145 331 FAX 914 679 5849



Save Enough to Pay for the Primers

Buy Nosler Handgun Bullets in 250 quantity Bulk Packs and save over 15% off the cost of buying the same bullets in our already low-priced 100-count boxes — enough extra savings for about 250 primers.

Add to the savings the kind of superb accuracy, consistency and expansion that you can really count on and you'll see why Nosler is your best choice for handgun hunting, target shooting or just plain plinking.

Nosler Handgun Bullet Bulk Packs are available in many popular calibers and

weights and can be found at your favorite gun shop or sporting goods store. And while you're there, pick up a copy of the new *Nosler Reloading Manual Number Three*. A full 528 pages, the manual contains never-before-published data on Nosler Handgun bullets as well as new data for Partition®, Solid Base and Ballistic Tip rifle bullets.

Nosler®
BULLETS
Handgun

For a free catalog, write:
Nosler Bullets, Inc.
Dept. AHG-3
P.O. Box 671
Bend, Oregon 97709

Sleeva, who holds the metallic silhouette record of 155 out of 160 on the Presidents 100.

Mickey used a 6" Smith & Wesson Model 686 with Burris 1.5-4x scope. He wound up keeping it on four power. He became, at Destin, the first man to shoot a perfect bout with a handgun, and reportedly did so three times, his performance marred only by the shooting of a single doe.

The trio of guns Blackie had used to set his record were a Dan Wesson .357 SuperMag, a Wichita Mark 40 in 7mm IHMSA, and a Thompson/Center Contender in 7mm TCU. For BuckMasters, he chose a much more prosaic handgun: a blue Ruger Super Blackhawk he'd worn out once in silhouette and had to have rebarrelled by the factory, under a 4x Leupold scope.

Blackie came in a close second behind Mickey at Destin. Both had shot scores higher than those that had won previous events.

The stage had been set for the finals at Callaway Gardens, the impressively titled BuckMasters World Gun and Bow Championships.

We all arrived the day before the match to be issued our gear. The dress code for this match is simple: they give you a uniform. RealTree Camouflage furnishes each competitor with a pair of BDU style trousers or overalls and three tee shirts in their unique and field-proven tree bark camouflage pattern. You *will* wear those while shooting, though your sponsors' patches can be sewn on.

Laid Back Match

BuckMaster is the most laid back of the money matches. The schedule for the first two days is easy: shoot a round in the morning or early afternoon, then leave at your heart's content, returning only for the optional, hosted barbecue.

Many of the shooters took advantage of the superb quail preserve on the Callaway property. Others, mostly with their families, toured the breathtaking botanical wonder of the Callaway Gardens themselves. Camo days, magnolia nights.

The pressure wasn't as much as the Bianchi Cup, but it was a lot more than Second Chance, and tension was palpable in the air. Of the three men who won their disciplines, the one with the highest accumulation of points would be the BuckMaster of the Year, and winner of the new Bronco II XLT donated by Ford, as well as a Yamaha 4x4 and a Ruger firearm and a decent chunk of cold cash. The Ford bore a sticker price of \$17,264.

Brad Cowell and I were the first two up on the first day. Brad, a Daytona Beach cop, had switched from his Model 29 .44 Magnum to a Colt Python Hunter .357 with 2x scope since the preliminary, and his score took a quantum leap.

My own problem was finding the little guys; they were so well hidden in the Georgia pine bush that I only saw two to

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



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



MEPROLIGHT

Tritium Illuminated Sights

Sleep
with
Confidence

MEPROLIGHT SIGHTS OFFER:

- EASY IDENTIFICATION OF YOUR HANDGUN IN THE DARK
- ABILITY TO SEE YOUR SIGHTS IN ANY LIGHTING
- GIVE YOU "DAYTIME CONFIDENCE UNDER LOW-LIGHT AND NIGHT-LIGHT CONDITIONS"

For Color Brochure and Price List, Contact:
HESCO / 2821 GREENVILLE ROAD / LAGRANGE, GA 30240

The Best Guns Need the Best Parts

Specify Ed Brown Custom Parts on Your Next Gun...

<p>PATENT PENDING</p> <p>HI-Sweep Beavertail Grip Safety Countersunk for Commander Hammer \$29.95 Blue & \$31.95 S.S.</p>	<p>Commander Style Match Grade Slotted Hammer Ground Sear Hooks \$32.95 Blue & \$35.95 S.S.</p>	<p>Removable Front Sight for Compensator Installation. \$10.95</p>	 <p>MAXI-WELL The Largest Mag-Well Opening. Part Only - \$29.95 Blue & \$31.95 S.S.</p>
---	---	--	---

See Your Pistolsmith or Parts Distributor — If Not Available, Order Direct From...

Ed Brown Products

Route 2, Box 2922 • Perry, MO 63462
Phone (314) 565-3261



Member American Pistolsmiths Guild
SEND \$1.00 FOR CATALOG

Safari Arms .45 Combat Pistols Are Back

The famous Safari Enforcer (3.8" barrel) and MatchMaster (5" barrel) are noted for their accuracy and durability. Available now in blue, alloy and stainless steel.



NOW AVAILABLE:

- Compensated Enforcer and Matchmaster Enforcer slide and frame kits (complete)
- Matchmaster slide and frame kits (complete)
- All custom .45 parts and accessories

.38 Super and .41 AE barrels for 1911, Hi-Power, and TZ/CZ

Custom Quality at Reasonable Prices.

Dealer Inquiries Invited
Write or call for FREE catalog



SGW/SAFARI ARMS INC.

624 OLD PACIFIC HWY. S.E.
OLYMPIA WA 98503
PHONE: (206) 456-3471
FOR ORDERS CALL (206) 459-7940

TO ORDER:

Send cashier's check or money order for immediate delivery. Personal and business checks must clear first. Will ship C.O.D. for orders over \$30.00. Minimum shipping charge is \$4.00. Add \$1.65 on all C.O.D. orders. Washington residents add 7.5% sales tax or furnish your state tax number. Please call us if you have any questions.

shoot in my first run of 40 seconds or so. As the second set began, I was squeezing off my Colt as I saw another deer target rise into the field of view of the scope.

After my shot, I snapped the crosshairs of the 4x B&L back down and locked into the black sensor pad of the new target. About the time the shot was breaking my conscious mind said, "Uh, Mas, you know the only time they pop one target up in front of another is in a no-shoot situation?"

Too late. The Federal American Eagle 158 grain JSP struck home, and I had shot my first doe of the match.

Connie Hood followed me, another man who'd changed guns since the prelim. The recoil of his Ruger Super Redhawk .44 Magnum had shaken loose every scope he'd mounted on it, so he'd gone to an 8" Colt King Cobra .357 with 4x Leupold scope, a combo he swore had given him a 2" group at 100 yards. Connie missed spotting a target on his first run, but recovered and hung tough.

Soon it was Larry Lindsey's turn. Larry shoots phenomenal groups with his .454 Casull, and with his gun hand healed from the carpal tunnel problem he'd placed #2 at Daytona in spite of, many thought this would be Lindsey's year to win.

But the hidden targets proved elusive for him as they had for me. Larry's score was disappointing, and for the first time since he'd been shooting BuckMaster, it didn't look as if he'd make the final shootoff. Larry was the first of the heavy hitters to fall. There would be more.

Sleeva vs. Fowler

The first day finished with none of the handgunners maxing the difficult course. Sleeva was first with a 143 out of 180 or so possible, Fowler second by a three point gap. *Handgunner* editor Cameron Hopkins had, the night before, predicted a Fowler/Sleeva race. He had called it right so far.

Friday afternoon, the second day of basic shooting, saw ups and downs. Kiger, in third the day before with a 136 score, slipped to a 125 this day; Sleeva plummeted to a still respectable 125, and the consistent Fowler was but a point short of the previous day's total.

Jesse Morehead, the first BuckMaster to shoot all three disciplines, had spread himself a bit thin. A powerful 124 the previous day was not sustained by his second score, a 94. It would drop him to fifth place, just out of the shootoffs.

When he set aside his Pentax-scoped Smith & Wesson Model 29 6 1/2" and picked up his 95-lb. Browning Mirage compound bow, it was the same story: fifth place among the archers. By the time he'd finished up rifle with his bull-barrelled Model 77 Ruger .243 and Pentax 3-9x scope, he was eighth among the long gunners.

It was, nonetheless, a record three-discipline performance for BuckMaster shooting, with top 10 placings across the

board. Jesse Morehead is one hell of an all-around deer marksman.

Jeff Gates of Altoona, Pa. was using an L-frame S&W .357 as he had at the previous match, but this time he'd swapped the conventional scope for a vintage Aimpoint Mk III. The morning of the second day, he confided that he didn't think his initial score of 94 would allow him to make the shootoffs, but he rebounded with a strong 124 to just make the cut.

At the end of the second day, four shooters had shot their way into the "finals of the finals" that would begin Saturday morning. Mickey Fowler was in first, followed by Blackie Sleeva, with Ken Kiger third and Jeff Gates fourth.

Several of the shooters had entered multiple disciplines, among them Gates and Kiger, both of whom were shooting rifle. Gates, I suspect, found the long gun a bit distracting. He had some trouble on timing with the rifle, and it made him hurry his shots on pistol. With 20 to 40 seconds for four shots per stand, Buck-Master is not a speed game, and being thrown off pace hurt Gates' normally superb marksmanship.

Kiger, on the other hand, was glad he'd split his efforts into the use of two guns. While the rifle didn't do much to help his pistol work, he said, the revolver shooting definitely sharpened him up for the riflery later in the day.

By Friday afternoon, the erstwhile handgunner had put all the likely rifle winners in the shade, leading the field with 260 points against Dennis Dadian (246), Johnny Clayton (237), and Dan Ooley (225).

The final day broke hot and muggy. The semifinal shootoffs began with Sleeva against Kiger. Blackie missed three of his targets and Ken four in this battle of the Ruger .44s; the defending champion had been displaced by the newcomer.

Then it was Fowler against Gates, duelling Smith & Wesson 686s. The coolness of the veteran combat master prevailed, and Fowler won by 35 points.

Now, at last, came the predicted shootoff: Mickey Fowler, the quintessential Cool Professional, against Blackie Sleeva, who had unbelievably parlayed a single action revolver with five and six inch hundred yard groups into the final stage for the money.

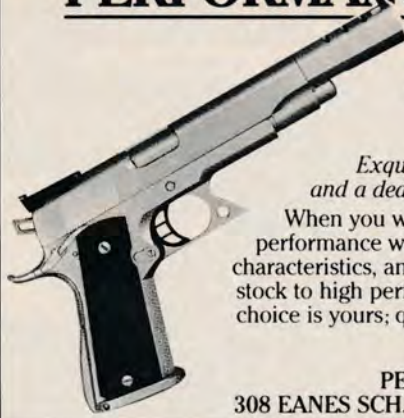
Sleeva seemed nervous and self-effacing, Fowler, his usual collected self.

The two went almost target for target. The crunch came in the middle of the three scenarios. The 100 yard target rose first and Mickey settled in behind his cocked 686, and squeezed the shot off. It appeared to hit high in the chest and on a real deer, probably would have been a fatal lung shot. But at BuckMasters, only the sensor pad in the heart area counts.

That critical 22-point target did not fall. The next target came up, a 50 yarder on almost the same axis, and Mickey shot

PERFORMANCE SPECIALISTS

CREATING A NEW GENERATION OF PISTOLS



Exquisite craftsmanship with attention to detail and a dedication to perfection.

When you want the best, our pistol will maximize your performance with guaranteed accuracy, unique handling characteristics, and a reliable and constant trigger pull. We do stock to high performance competition 1911-type pistols. The choice is yours; quality is our trademark.

JEFF WASSOM
PERFORMANCE SPECIALISTS
308 EANES SCH. RD. • AUSTIN, TX 78746 • (512) 327-0119

Out There, You Need Pachmayr at Your Side



Pachmayr **CONTOUR-FIT™** holsters fit your gun like a glove. They're made from a special synthetic material, so they're lighter more rugged, and a lot less expensive than leather.

Compared to the nylon wonders, they're non-abrasive and much better looking. They hold your gun securely, yet they give you fast access to your sidearm, ready for anything from rabbits to rattlers. And the suggested retail is just \$14.95. So there's no excuse to put up with that

frayed nylon lump or that beat-up leather brush buster anymore. Pachmayr **CONTOUR-FIT™** holsters

... at better firearm retailers or call us toll-free at 1-800-423-9704 (outside Calif. only; within Calif. call 1-818-357-7771).



Available for 4" S & W K- and L-Frames, Colt 1911-type and Browning Hi-Power semi autos. More models soon!

Pachmayr

1875 S. Mountain Ave., Monrovia, CA 91016
(818) 357-7771

New power option...

.30 CARBINE • 9mm WINCHESTER MAGNUM

Sleek, acclaimed AUTOMAG III, the first and only auto pistol successfully manufactured for historic M1 carbine ammo, now delivers mag-power/light recoil in another exciting high pressure caliber, 9mm Winchester magnum.

**MAGAZINE CAPACITY 8 • BARREL 6³/₈"
STAINLESS STEEL • WEIGHT 43 OZ.**

**MILLET ADJUSTABLE
SIGHTS**



OGLESBY & OGLESBY GUNMAKERS, INC.



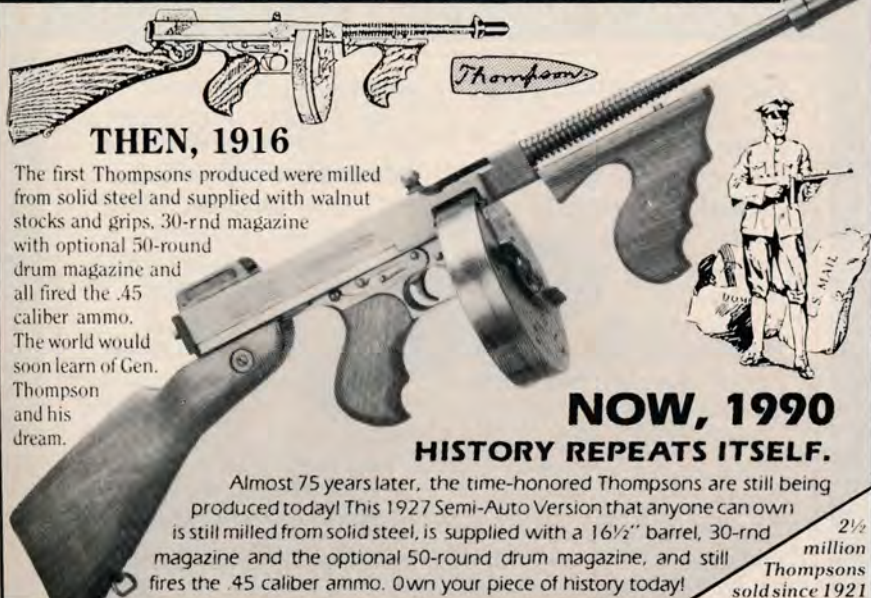
**Gun Shown -
Witch Doctor Prototype**

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

THOMPSON AUTOMATIC CARBINE MODEL



THEN, 1916

The first Thompsons produced were milled from solid steel and supplied with walnut stocks and grips. 30-rnd magazine with optional 50-round drum magazine and all fired the .45 caliber ammo. The world would soon learn of Gen. Thompson and his dream.

NOW, 1990

HISTORY REPEATS ITSELF.

Almost 75 years later, the time-honored Thompsons are still being produced today! This 1927 Semi-Auto Version that anyone can own is still milled from solid steel, is supplied with a 16¹/₂" barrel, 30-rnd magazine and the optional 50-round drum magazine, and still fires the .45 caliber ammo. Own your piece of history today!

*2 1/2
million
Thompsons
sold since 1921*

Auto-Ordnance Corporation

Box AH-5 West Hurley, N.Y. 12491 (914) 679-7225

SEE YOUR LOCAL DEALER
OR SEND \$2.00 FOR NEW
COLOR CATALOG.

it fast and clean, slamming it onto its back amidst applause.

As Fowler walked off the firing line, he looked uncharacteristically troubled. A decade before, when a missed reload at the falling plate event of the first Bianchi Cup cost him some 50 points in a tournament he lost overall by only 20, Mickey had just shrugged and laughed. Today, clearly, he was not happy about that high shot on the long target.

Now it was Sleeva's turn. Perceptibly nervous, he took his time settling into the awkward treestand position and dry-firing before he reached down for the four CCI rounds the BuckMasters staffer was patiently holding for him.

The .357 Magnum, it was decided, would no longer be allowed

He shot his first run perfect. So had Fowler, to the same applause. Now came the toughest run, the one from the middle Loc-On treestand.

The 100 yard target loomed again. Sleeva squeezed slowly, oh so slowly, but at the boom of the .44, the target toppled.

As the 50 yarder snapped up, Blackie pivoted and fired...and missed the target Fowler had hit.

The third run, the easiest layout, went as well for Blackie as it had for Mickey. The long target in the middle string had been the decider.

In minutes, it was announced: Blackie Sleeva had won the BuckMasters handgun event, and with it a new Ruger Redhawk, a handsome Yamaha ATV, and nearly a thousand dollars in cash.

BuckMaster Finals

Meanwhile, on the rifle range, the unexpected was happening. Kiger, the lost favorite for the handgun match, was in the rifle finals with Johnny Clayton. Johnny's Remington .243 missed two of 12 deer, and Ken's Winchester .30-'06 missed but one.

Kiger, whose hope had been to win BuckMaster's Handgun, had won BuckMasters Rifle instead. An hour later, it would be announced, he had done more. Ken's cumulative score was higher than that of Sleeva in handgun or winner Randy Hendrix in bow.

Ken Kiger was the 1989 BuckMaster of the Year, the proud owner of a prize pot BuckMaster executive Alan Brewer estimated at between \$26,000 and \$27,000 in value.

In addition to a Ruger 77 .270 rifle and a Yamaha Big Bear, Kiger accepted the keys to the new Ford Bronco II. As he did so, the 40-year-old electrical contractor and outspoken gun rights advocate told the crowd, "This is proof of something a lot of you have already discovered: a lot of practice, and following the Word of God, are the keys to success. I

think that says it all."

Because the heat of summer in the south turned off many of the shooters and kept a whole lot more away, Bushman expects the 1989 preliminaries and final match to be held in cooler months. It is too soon to announce them because Jackie still has to coordinate around major tournaments.

But we can tell you this. The course of fire will remain the same. You will still be required to use the following specified factory loads, in the four allowed calibers. They are: .44 Magnum, 240 gr. JSP; .41 Magnum, 210 gr. JSP; .454 Casull, any factory load; .45 Colt, any 255 grain factory load

The .357 Magnum, it was decided, would no longer be allowed, bringing the rules back to where they'd been in '88. Nearly half the shooters in the Callaway Gardens final used .357, and fully half of the top 10 did.

Yet one could not say the .357 was taking over, since three of the four Buck-Master money events thus far have been won with Ruger .44 Magnums. Fowler's victory with this S&W .357 in the Destin prelin was the only exception.

Alan Brewer stated that the feeling was that .357 is simply too light a round for deer, and the organization's overriding intent is to make it a realistic hunter's match for realistic hunter's guns.

The gun will still have to be stock, with no heavy aftermarket barrels or other gadgetry. Conventional scopes and electronic sights are allowed, but not lasers, which would be useless for this sort of shooting anyway.

Savvy BuckMasters staffer Mark "Stitch" Stianche, when asked, advised, "From everything I've seen, a good .44 Magnum like the Ruger with a good, solid scope is the way to go."

For information on the 1990 Buck-Masters Series and an application for the necessary membership, contact Alan Brewer at BuckMasters, Dept. AH, P.O. Box 2151, Montgomery, AL 36197.

I found it a smoothly and fairly run match attended 100% by nice people I was proud to share my favorite sport with. I'll look for you there in '90. Meantime, I'll be practicing from my treestand.



BECAUSE YOU SHOOT

— AMMUNITION FACTORY DIRECT —

38 Special \$6.20 BOX/50 **45 ACP \$8.87 BOX/50**
158 GR SWC (Cse. 500 Rds. \$62) 230 RNL (Cse. 500 Rds. \$88.70)

9MM Luger \$8.88 BOX/50 **Ask About**
115 GR FMJ (Cse. 500 Rds. \$88.80) **ADDITIONAL DISCOUNTS**
and OTHER PRODUCTS

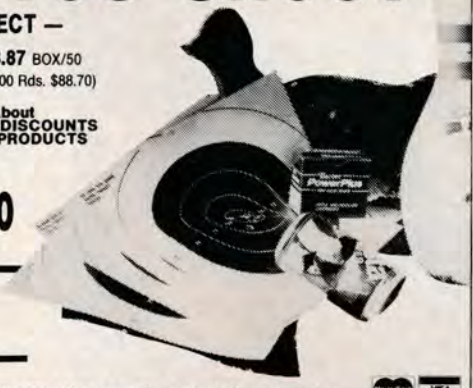
Money Back Guarantee

Order Today 303-927-4500

Barber
PowerPlus

— AMMUNITION —

Producers of Law Enforcement & Target Quality Remanufactured Ammunition



THE DURACHROME™ DIFFERENCE

Trademark of Plater's Supply

This is the difference a Durachrome finish can make. Just think what it will do for that custom gun you are having built. We do not simply put hardchrome on guns — they are **custom hardchromed to your specs.** If you are looking for the ultimate finish for the ultimate rifle, pistol or shotgun, ask for it by name — **DURACHROME**



SURPASSES STAINLESS STEEL FOR BRIGHTNESS —RUST RESISTANCE SECOND TO NONE

- Will not gall, chip or peel — hardness rated at 72 Rockwell Scale
- DURACHROME smoothness reduces wear on moving parts
- Member of the American Hanganuner Top 100 Pistolsmith List
- Exclusive plater for Cannon guns

THE SHOOTER SHOP

PATRICK J. CONNORS
514 N. Main • Butte, MT 59701

Dealer and Law Enforcement discounts available - Send \$2.00 for color brochure. **(406) 723-3842**

C.P. BULLETS®

FOR EXCELLENT PERFORMANCE

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

C.P. ELITES MATCH BULLETS

135gr. and 150gr.

Recoil Buffers
for 1911 Type Pistols

SUPER TUFF



C.P. BUFFS®

SUPER TUFF

C.P. MAG PADS®

Available
in five colors

BLACK • PINK • RED
YELLOW • BLUE

Jim Garthwaite PISTOLSMITH

Route 2 • Box 310 • Watsonstown, PA 17777
(717) 538-1566



Member American Pistolsmith Guild

TAFFIN TESTS

For a number of years now the battle has been ongoing between those who cling to the tried and true, slow moving but heavy bulletted .45 ACP and the fast stepping, but relatively lightweight 9mm.

Chance Body Armor, related how he had returned fire to the tune of 17 hits with 9mm hollowpoints in the torso of his attacker to no apparent effect.

The last shot, in the head, put the attacker down.

Action Express uses a rebated rim, that is, the rim is 9mm size, but the body allows the use of .41 caliber bullets at 900 to 1000 fps.

Yes, the Nine 'Em 'Em will fire 115 grain hollowpoints at 1400 fps from the same sized semi-auto, but many experts agree that the keys to either defensive or

The .41 Action Express

There are those who would have us believe that the best 9mm is as good as the .45 ACP and the "records" show that they are equal in "stopping power," if there really is such a thing.

I have been shooting the 9mm quite a bit lately and I am impressed with the quality of a number of pistols that are chambered for the little nine. But just last night I watched the latest "Second Chance" video tape put out by Richard Davis of Second Chance Body Armor. One of the policeman interviewed, who had been saved by wearing Second

Events like this are exactly what Evan Whildin had in mind when he designed the .41 Action Express. There are more varied 9mm semi-autos available than offered in any other semi-auto calibers. Most of these are top quality pistols but they are still chambered for the puny Parabellum.

Whildin's idea was to come up with a cartridge that would get all those 9mm pistols up off their knees and go to work by simply changing the barrel, magazine and possibly the recoil spring.

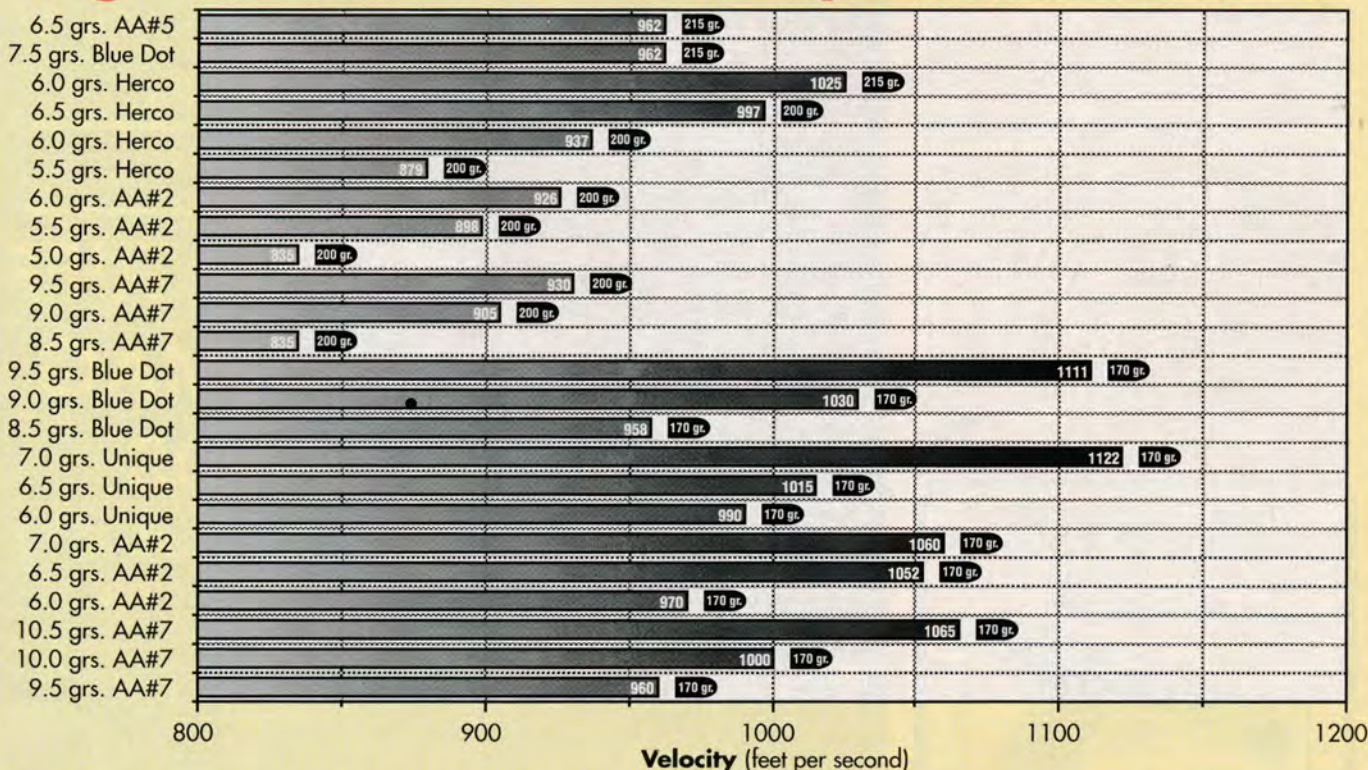
To make this notion fly, the .41

hunting handguns are caliber and penetration. The relatively slow moving, but heavyweight .41 Action Express is designed for penetration.

.41 Caliber Evolution

Handgunners who have been around for awhile well know the story of the creation of the .41 Magnum. In the early 1960's, Elmer Keith, Bill Jordan and Skeeter Skelton got together at an NRA Convention and convinced Smith & Wesson and Remington to come up with the ideal peace officer's gun and cartridge.

High Performance .41 Action Express Favorite Loads



WARNING: Approach all handloading carefully by reducing charges listed by a least 10% and working up cautiously. 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.

The original idea was a 200 grain bullet of .41 caliber at 900 to 1000 fps. What surfaced was a cartridge only slightly inferior to the .44 Magnum in a loading that was too powerful for police use and in a sixgun that was too large and heavy for everyday uniform carry.

What began as a defensive cartridge, turned out instead to be a first rate outdoorsman's combination.

The original idea was a good one—a 200 grain bullet at around 900 to 1000 fps. And that is exactly what the .41 Action Express delivers. In fact, IMI Samson factory ammunition launches a 200 grain full metal jacketed flat-nosed bullet at 921 fps from my .41 AE, a TZ-75, and shoots into less than three inches at 25 yards.

This is the cartridge Keith, Jordan and Skelton proposed 25 years ago. And it is now available, not in a sixgun, but a high capacity double action semi-automatic from Action Arms, F.I.E. and Taurus.

In addition to factory chamberings for the .41 AE, there are nearly unlimited possibilities for the .41 AE in 9mm's that can be converted over to the larger caliber. I am thinking mainly of the beautiful Browning Hi-Power and the latest line-up of Third Generation Smith & Wesson double action 3900 and 5900 semi-automatics.

.41 AE Testing

During the testing of the .41 Action Express, both for this edition of *Taffin Tests* and for a feature piece on F.I.E.'s TZ-75, more than 1200 rounds were put through the TZ in its .41 AE persuasion. The TZ-75 came as a 9mm with an extra barrel, magazine, and recoil spring to convert over to .41 AE.

While operating flawlessly as a Nine, one problem surfaced with the .41 AE version. Extraction is not 100% reliable and 27 failures were recorded during the 1200 rounds. Either the extractor was not engaging the rim as a loaded round entered the barrel from the magazine or, more likely, it was slipping off as the round was fired. As the gun fired, the slide came back but the fired round stayed in the barrel.

In talking with F.I.E. about extraction problems, they felt the problem was one of ammunition and that the problem could be solved by slightly altering the locking lugs and slowing down the lock time. Some guns with the locking lugs slightly altered no longer had extraction problems.

After talking with F.I.E. my first regret was that I had not kept track of what round was fired when extraction failed. Running a re-test using Samson 200 grain FMJ's, Samson 170 grain JHP's, handloads with 200 grain full metal jacketed bullets from Accurate Arms loaded over 9.0 grains of AA#7, Bull-X 215 grain SWC .41 Magnum bullet over 5.3 grains of AA#2, and NEI's 195 grain FN over 8.8 grains of AA#7, I kept careful track

of exactly what was happening.

Firing a full box of 200 grain Samson factory ammo resulted in a muzzle velocity of 934 fps and two failures to extract. Switching to 170 grain Samson factory loads yielded a muzzle velocity of 1098 fps and two failures to extract, one in the first magazine of 10 rounds, one in the second magazine, and then none in the next three magazines.

With my handload of 200 grain Accurate Arms FMJ over 9.0 grains of AA#7, I had one failure in the first magazine and none for the next four magazines.

What is notable is the use of cast bullets. I had no failures to extract with cast bullets and it made me wonder if all the previous failures to extract were with jacketed bullets.

Could the pressures with cast bullets be just at the right level for certain extraction? The muzzle velocities for the cast bullet loads in this last go round were 1018 fps for the 195 grain NEI bullet and 970 for the 215 grain Bull-X bullet.

Others have complained of accuracy problems and failures to feed with the .41 AE; I experienced neither except six failures to feed which were traced to my reloading procedures.

Wanting to see if the .41 AE could be loaded without .41 AE dies, I used a 9mm shellholder and Lyman .41 Magnum dies. They worked perfectly. Almost.

The sizing die worked fine, the expanding plug did its job, but the .41 Magnum seating die left the loaded .41 AE round without a taper crimp, which resulted in a sharp edge that would catch on the feeding ramp of the TZ-75.

If one already loads for the .41 Magnum, the addition of a 9mm shell holder and a .41 taper crimp seating die, ground off to the proper length, will result in all that is needed to load the .41 Action Express

When loaded with Lee Carbide .41 AE dies no failures to feed were experienced nor were any experienced with factory ammunition. IMI Samson factory ammunition with the 170 grain JHP is in the 1100 fps range and the heavier 200 grain full metal jacket load is slightly over 900 fps. These are probably good guidelines to stick with in reloading the .41 AE.

Handloading Techniques

Reloading the .41 AE is pretty much the same as for the other semi-auto cartridges. Loaded cartridge length is critical for magazine functioning. Don't believe the printed measurements. Instead try any loaded rounds in the magazine before running a large batch.

The loaded round may fit the overall cartridge length specs but still not function through the magazine because of the shape of the bullet nose.

A good case in point is NEI's 220 grain SWC .41 Magnum bullet. This is a beautiful wide flat-nosed bullet that feeds

Continued on page 86

RWS DIANA AIRGUNS

MAGNUM POWER

**WITH RWS DIANA
MODELS
48 AND
52**

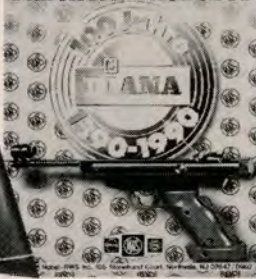
**1100
FT/S. in
Cal .177**

It's a whole New Generation of side lever cocking, fixed barrel, magnum airguns, that will deliver in the power department. Ideal for silhouette shooting and rodent pest control, both models available in calibers .177 and .22.

**Total Length: 43"
Barrel Length: 17"
Weight: 8¾ lbs.
Trigger Pull: 3.30 lbs.
Cocking Effort: 33.06 lbs.**

**ALL RWS DIANA AIRGUNS
ARE PROTECTED BY A
LIFETIME WARRANTY**

**DYNAMIT NOBEL
PRECISION PRODUCTS**



Write today, ask about our **NEW 1990 "PRECISION PRODUCTS" Catalog**. \$2. for 1st class, \$1. for 3rd class, to:



DYNAMIT NOBEL - RWS INC.

**105 STONEHURST COURT
NORTHVALE, NJ 07647-0962**

**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"

HARD CHROME

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

PORTABLE RELOADING BENCH

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

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



ALL WELDED TUBULAR STEEL FRAME

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

PORTABLE RELOADING UNIT \$77.00
3 PLASTIC BOXES FOR EMPTY CASES, BULLETS & LOADED ROUND INCL.



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



L.R. CLIFT MFG. P.O. BOX 2334 MARYSVILLE, CA 95901 1(916) 888-3677
Nationwide: 1-(800) 428-7825 ext. 14 California 1-(800) 428-7824 ext. 14

MSS

**MAHARLIKA
SPORTSMEN SHOP**

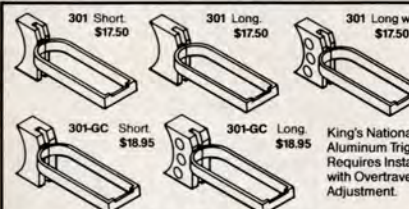
- COMPETITION
- RECREATIONAL
- PRACTICAL SHOOTING
ACCESSORIES

FIREARMS ACCESSORIES

(714) 598-9854

Monday - Friday 10:00 A.M. to 7:00 P.M.

**975 FAIRWAY DRIVE
WALNUT, CALIFORNIA 91789**



SEND FOR OUR
NEW CATALOG - \$2.50. **CUSTOM PARTS**

ORDERING INSTRUCTIONS: Minimum order \$3.50. CA residents add appropriate State Sales
Tax. Shipping & Handling Charge \$2.50. MASTERCARD VISA accepted. COD orders, cash only.
UPS COD fee is \$2.75. Cashier's Check or Money Order will speed up your order. Personal or
Company Checks, allow 3 weeks to clear. All shipping insurance claims to be filed by buyer. All
items handled within a 10-day money back guarantee (preferred in same condition as shipped).



Authorized
Distributor
of Colt Parts

Have your Colt Auto or ours
customized as only King's can do.
We've been satisfying our
customers nationwide for
over 30 years!
Inquire for prices.

King's National Match
Aluminum Trigger.
Requires Installation
with Overtravel
Adjustment.

206 Frame Requires
Fitting. Helps Guide
Hand into Fast
Position.
\$25.95

203 For Govt. Model
Better Grip and
Control.
\$31.00

King's Wide Grip Safety,
Specify 80 or 70 Series,
Blue or Stainless Steel.

205 For Govt. Model with
Commander Hammer.
\$32.95

204 For Commander
Model.
\$31.00



KING'S GUN WORKS, INC.

CUSTOM HANDGUN ACCESSORIES

"You only have to buy a quality part once."

KING'S GUN WORKS, INC. • 1837 W. GLENOAKS BLVD., GLENDALE, CA 91201 • PHONE: (818) 956-6010

Gunsmithing
at its finest!



TAFFIN TESTS

Continued from page 85

perfectly in the .41 AE, but the nose is so broad that more than two in the magazine and they wedge against the front sides and refuse to budge.

One would also expect to have a vast array of .41 Magnum bullets to pick from in the 170 to 200 grain range. Not so. Most .41 Magnum bullets have to be seated so deeply into the case for magazine function that the sides of the brass are bulged.

I tried all the .41 Magnum bullets I had on hand and only the Sierra 170 grain JHC is recommended for use in the TZ-75 .41 Action Express. Other semi-autos chambered for the .41 AE may have magazines that are different enough to allow the use of other .41 Magnum bullets.

I especially wanted to use the Speer jacketed 200 and 220 grain soft-nosed bullets, but they also proved to be too long of tooth for the .41 AE.

Components for reloading the .41 AE can be acquired from two sources. Accurate Arms (Rt 1, Box 167, Dept AH, McEwen, TN, 37101, (615)729-4207) has 200 grain FMJ bullets available for the .41 AE, and both brass and ammunition is available from Action Arms (P.O. Box 9573, Dept AH, Philadelphia, PA, 19124, (215) 744-0100)

Sierra's 170 grain JHC proved to be quite accurate in the .41 Action Express. Favorite loads are 7.0 grains of AA #2 for 1060 fps, 6.5 grains of WW231 for 1053 fps, and 9.5 grains of Blue Dot for 1111 fps. All of these loads shoot into two inches or less at 25 yards.

Both 7.0 grains of Unique and 7.5 grains of Herco also proved to be excellent loads grouping just slightly over two inches with velocities of 1100+ fps. With Accurate Arms 200 FMJ, I prefer 7.5 grains of WW540 or 8.5 grains of Blue Dot. These loads are in the 950 to 1000 fps range.

For cast bullet loads, I prefer the Bull-X 215 grain semi-wadcutter. This is a commercial cast bullet designed for the .41 Magnum but it works beautifully in the .41 AE.

Perfect defense loads can be assembled with this bullet in the 900+ fps range by using 8.5 grains of AA#7, 7.0 grains of WW540, or 5.0 grains of WW231. Bull-X bullets are available from Bull-X, 102 S.Main St., Dept AH, Farmer City, IL, 61842, (309) 928-2574.

With most of the semi-auto hype the past few years going to the 10mm and new guns for the 9mm, the real dark horse, the .41 AE, could prove to be the winner in defensive circles if extraction problems can be solved and the guns made 100% reliable with proper ammunition. The possibilities are certainly there.



HUNTING

Continued from page 21

I have a Model 60 I purchased in the early Sixties that has gone under five inches at 100 yards with iron sights on many occasions. More interesting to me than just another crummy revolver.

The sharp contrast between the gun I purchased and those I had seen written about was also interesting. I tracked down several more in local gun shops that also had bad headspace problems.

No Clip, No Bang

Smith & Wesson's *new* attitude under their *new* president seemed oblivious to the fact that I did not heed at all my intention to purchase the gun and to write it up, however it came out. Obviously, it appears anyone aware of the lousy quality of this particular weapon is unimpressed enough to do anything about it.

I was repeatedly told by others at S&W besides Mr. Maack that the gun is *sup-*

The M-29 in .44 Magnum has suffered from what a lot of people call "skipping"

posed to headspace on the case mouth. As it is, this one and many others don't.

I really don't give a damn about this one—after all I really *need* another S&W when I don't even have time to shoot the old, *good* ones I own. I'm not even really disgusted with losing the several hundred dollars I paid for it, which was dealer's cost. Occasionally losing money is just another part of doing business.

I am disgusted that any firm would put out a firearm with such excessive headspace that the gun will not fire without the clips. Think of all the millions of people who, just like me, have been shooting S&W revolvers for years without the moons.

I don't think that's fair to the public. There is no warning attached to the gun that this model is a departure from the way they have been made since about 1917. There is no alert that the gun is *not* intended to be used without the clips and it will misfire without them.

Nor is there anything in the instruction manual of value in this respect. In fact the *Safety And Instruction Manual* states "Smith and Wesson has designed the most reliable firearms available."

Under *Loading*, it states in part "place a round of the correct ammunition in each charge hole" and nowhere does it even mention the existence of clips. A couple were in the box with the gun though.

The M-29 in .44 Magnum has suffered from what a lot of people call "skipping" which in actuality is the newly designed



javelina

10mm LONGSLIDE

Magnum power in longslide (7" barrel) version of classic Government Model. Also available in standard 5" barrel length.

MILLETT ADJUSTABLE SIGHTS • MATTE RIB • STAINLESS STEEL
MAGAZINE CAPACITY 8 • WEIGHT 48 OZ. (7"), 38 OZ. (5")

Send \$1.00 for complete set of illustrated product specification sheets
IAI • 6226 Santos Diaz Street • Irwindale, CA 91702



**W WEIGAND
COMBAT
HANDGUNS, INC.**

**AUTOLOADERS &
REVOLVERS FOR
N.R.A. ACTION
I.P.S.C.
P.P.C.**

**JACK WEIGAND
MASTER CLASS SHOOTER**

"Experience where it counts"

**341 South Main Road
Mountaintop, PA 18707
717 474-9804**



© 1989

**ACCURATE
3100
SMOKELESS POWDER**
An extruded rifle powder best suited for medium capacity to magnum rifle cartridges with medium and heavy bullets.

**Our Name
Says It All!**

Accurate® Smokeless Powders have been the success secret for many precision shooters and plinkers over the years. Our full range of powders are formulated to burn consistently, leave less residue, and cost less than other brands you might be using.

Next time you buy powder, discover the secret ingredient of precision shooters—Accurate Powders. You'll see for yourself that our metallic re-loading powders are the ones to beat.

**Accurate Arms
Company, Inc.**

Box AH5 McEwen, Tennessee 37101

Ed Brown Custom Pistols



Available in
45ACP, 10 mm, 38 Super & 9 mm

HI-SWEEP BEAVERTAIL GRIP SAFETYS
MAXI-WELL • MAXI-COMP • MINI-COMP

ED BROWN PRODUCTS



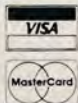
Route 2, Box 2922 • Perry, MO 63462

Phone (314) 565-3261



MEMBER AMERICAN PISTOLSMITHS GUILD

Send \$1.00 For Catalog



1-800-248-3845

(for Orders Only)

INQUIRIES (309) 928-2574

102 S. Main, Farmer City, Illinois 61842
CHARLES K. BANE - CARTER S. JONES

— Shooters: We will be at the following shoots in 1990, call for freight free delivered prices —

K.C. INDOOR, BIANCHI CUP, S&W MASTERS, GOLDEN EAGLE, IPSC NATIONALS AND AREA, SECTIONAL & STATE CHAMPIONSHIPS

HARD CAST MATCH GRADE BULLETS

	Quan.	Price		Quan.	Price
9MM 122 GR Flat Point Sized .356	500	\$16.00	41 CAL 215 GR Semi-Wadcutter Sized .411	500	\$22.00
	1000	\$30.00		1000	\$41.00
9MM 125 GR Round Nose Sized .356	2000	\$58.00		2000	\$80.00
38 CAL 148 GR Double End Wadcutter Sized .358	500	\$16.50	45 CAL 185 GR Semi-Wadcutter Sized .452	500	\$20.00
38 CAL 148 GR Button Nose Sized .358	1000	\$31.00		1000	\$38.00
	2000	\$60.00	45 CAL 200 GR Semi-Wadcutter Sized .452	2000	\$74.00
38 CAL 150 GR Semi-Wadcutter Sized .356 .357	500	\$17.00	45 CAL 230 GR Round Nose Sized .452	500	\$21.00
38 CAL 155 GR Semi-Wadcutter Sized .356 .357	1000	\$32.00		1000	\$40.00
38 CAL 158 GR Round Nose Sized .357	2000	\$62.00	45 CAL 230 GR Flat Point Sized .452	2000	\$78.00
38 CAL 158 GR Semi-Wadcutter Sized .358	500	\$20.00	45 CAL 255 GR Semi-Wadcutter Sized .452	500	\$23.50
10 MM 175 GR Semi-Wadcutter Sized .401	1000	\$38.00		1000	\$45.00
	2000	\$74.00	44 CAL 205 GR Semi-Wadcutter Sized .429	2000	\$74.00
			44 CAL 240 GR Semi-Wadcutter Sized .429	500	\$22.00
				1000	\$41.00
				2000	\$80.00

ALL BULLETS ARE FREIGHT PAID TO THE ORIGINAL 48 STATES.

THE PRICE YOU SEE, IS THE PRICE YOU PAY. There are no extra or 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 is 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. 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 with check or certified funds.

WE PAY THE FREIGHT TO YOU. (NO FFL NEEDED) —LIFE MEMBER NRA— SATISFACTION GUARANTEED

SIG-220,225,226 & 228

Beretta 92F & 92FC

Glock 17 & 19



THE LEATHER ARSENAL
27549 Middleton Rd., Dept AH3
Middleton, Idaho 83644
(208) 585-6212

SURPRISE SPECIAL



Massad Ayoob on Leather Arsenal products:
"The custom gunleather produced by Elmer McEvoy at Leather Arsenal is second to none!" — Massad Ayoob

Inside the pants concealment holster designed to set extra low for good concealment.

The top band is metal lined to hold its shape for easy gun reholstering.
• Sight Rails • 2 Belt Loops to Resist Holster Movement
• One Way Snaps for Security

Holster, Plain Tan — \$38⁰⁰ Add \$4⁰⁰ for shipping
Magazine Pouch — \$15⁰⁰

Phone Orders Welcome — C.O.D. Visa and MC Accepted

If you have any questions don't hesitate to call

Send \$2⁰⁰ for brochure and ordering information.

Taurus 92 & 99

Browning Hi Power

New S & W
4516 • 3913 • 3914

Colt Gov't., Comm., Officers

Ruger P85 • S&W 9 mm's & 45

bolt and spring which are inadequate and fall out of the cylinder notch in recoil of factory loads allowing the cylinder to rotate backwards.

When the hammer is cocked or the trigger is pulled double-action, the just-fired chamber is rotated in front of the firing pin again producing the classic "click" of this model.

Factory Fix

My last personal 629 did it the first time on the 34th round through it (Federal 240's, which is a very mild load). This has been going on for almost 20 years now.

The factory doesn't have a fix for it except to put another little spring inside the existing spring. The last one I sent back that was "fixed" that way and rotated backwards the first cylinder fired from it after the "fix."

That is the reason I cannot recommend the 29 as a serious hunting gun. If this hasn't been taken care of in eight twenty years, I wonder how long it will take the powers that be to wake up.

This sort of attitude and lousy product reminds me of a statement made to me by a S&W factory rep in the black days of their worst production under Bangor Punta in answer to the "poor quality question."

He stated it was manufacturing's job to make the guns, sales' job to sell them and customer service's job to make them work.

Looks like it's still true— except I don't think Customer Service is doing their job.

What An Article!

I realize you haven't read an article like this in the *Handgunner* very often and probably never in any other gun magazine. Essentially the same thing is printed in *Handgun Hunters International's Sixgunner*. Most magazines are too worried about the Almighty Advertising Dollar. A few prefer to put the readers first and tell the truth.

I left the next step up to the HHI members to vote on. As I see it, there are three choices:

1) It is possible to send it back to the factory again. Third time lucky.

2) Stick it in a bucket of wet cement leaving the handle out to tie a rope on as an anchor for my fishing boat.

3) Try to make it shoot the way it is, report what it did and then probably make an anchor out of it.

No more inferior quality guns to the customer! And if they need warranty work, then do it the right way in the service department.

(One factory authorized service station I've had truly excellent service from is Cherry Corners, Inc., 11136 Congress Rd., Rt. #1, P.O. Box 38, Lodi, OH, 44254, (216) 948-1238.)

**FIRST BUY THE GUN,
THEN THE AMMUNITION,
AND THEN "ONLY IN THE
GRAVEST EXTREME . . ."**



Seventeen chapters of street wise information that every gun owner needs. Find out what happens to you when and if you use a gun for self-defense.

If you own a gun for personal protection you must read this thought-provoking book.

Send me _____ copy(s) of *IN THE GRAVEST EXTREME*. Enclosed is \$9.95 for each book + \$2.00 postage for each book.

Check/MO Visa/MC No. _____

Exp. Date _____ Initial _____

Name _____

Address _____

City _____ State _____ Zip _____

Ca. residents add 7% sales tax.

Please allow 4-6 weeks for delivery.

Send to: GUN BOOKS Dept. 33G-3
591 Camino de la Reina, #200
San Diego, CA 92108

**WHEN ONLY THE BEST
WILL DO!**

RIG® PRODUCTS
offers the

**Handgun Cleaning Kit
RR8-2CK (R-358)**



This combo cleaning kit is complete for 22-45 caliber handguns. It contains a Delrin® handle and bore guide with a two-piece stainless steel rod. Also included are 22-45 caliber bronze brushes; 22-45 caliber brass jags; 22-45 caliber cotton swabs; cotton patches for 22-45 caliber; a bottle of RIG #44 bore cleaner and a fire pin shield. Dimensions 1 1/4" x 3 1/2" x 7 1/2"—jacket pocket size!

Available at your local gun or sporting goods store or:

Send \$2 for a catalog and a 1 oz. bottle of RIG #2 to:

RIG® PRODUCTS DEPT. AH05-90
P.O. Box 1990 • Sparks, Nevada 89432-1990

HANDLOADING

Continued from page 40

casters and that stands to reason because if a commercial caster had to size and insert gas-checks on every bullet he made, he wouldn't make a penny of profit.

This absence of sales for gas-check handgun bullet moulds continues to hold true with Redding/Saeco until you come to one caliber and one caliber alone, the Forty-Four.

In .44 caliber, gas-check bullet moulds predominate and there has to be only one reason: silhouette competition, where accuracy really counts.

Obduration

But what about the other reasons Elmer cited against gas-check bullets? His contention that gas-check bullets allowed the propellant gas to bypass the base and blow the grease from the grease grooves is one that ignores a scientific phenomenon, *obduration*.

Obduration occurs when the back end of the bullet is under motion before the front end. Reverse obduration can often occur with very high velocity center-fire .22s in varmit rifles when the bullet explodes in mid-air a few yards down range. The problem there is that the front of the bullet slows down much faster than the back of the bullet and the projectile expands to a point of disintegration.

The result of obduration in a cast bullet is the middle of the bullet swells under pressure and achieves a gas seal in the front of the chamber. If the grease groove is very low on the bullet it may very well blow the grease out, but if it is toward the middle of the slug then the grease will have nowhere to go. If there is a very large reservoir of lubricant, then there may be enough to serve the purpose regardless of what is blown out.

Obduration also clouds the issue of a gas-check working in a sense as a bore scrapper as the bullet travels down the barrel. Tom Griffin of Lyman feels it is an advantage in terms of a bore-scrapper and so does Bruce Merkur. But Bruce is quick to point out that is only an opinion of his and not based on any scientific fact because he has no way of proving it.

Forcing Cone

Kent Lomont is mentioned by Elmer in that article of 21 years ago and Kent believes the only thing he has proven to himself over the ensuing years about gas-checks is the fact that gas-check bullets eat forcing cones.

Many shooters place a great deal of emphasis on having a tight revolver, when they should be placing the emphasis on making sure the barrel is lined up properly with the cylinder. The forcing cone is there only to act as a funnel for the barrel and the less actual alignment of

ARNTZEN'S ALL NEW

**PEPPER
POPPER**
HIGH STRENGTH

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

COMPLETE WITH BASE

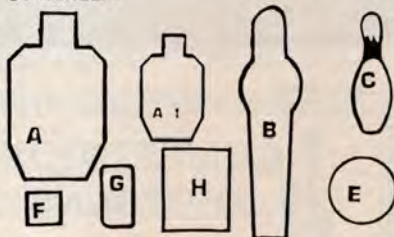
\$110



3/8 HIGH STRENGTH STEEL PLATE, 200-250 BRINELL HARDNESS - OUTLASTS MILD STEEL & A-36.

PRECISION CUT STEEL PLATES

YOUR CLUB CAN NOW BUILD YOUR OWN STEEL PISTOL TARGET SYSTEMS USING 200-250 BRINELL HARDNESS TESTED STEEL SUPPLIED BY ARNTZEN



MAKE YOUR CHOICE OF HIGH STRENGTH STEEL SHAPES.

A.	IPSC 3/8" STEEL PLATE 17-3/4 X 29-1/2	\$59
A-1	IPSC (same as above - 1/2 Size)	\$15
B.	POPER 3/8" STEEL PLATE 12" X 42"	\$39
C.	PIN 3/8" STEEL PLATE 4-7/8 X 15"	\$8
D.	BASE 2" X 4"	\$1.50
E.	CIRCLE 3/8" STEEL PLATE	
	8" - \$8. 10" - \$10. 12" - \$12.	
F.	'B' ZONE 3/8" STEEL 6" X 6"	\$9.50
G.	'A' ZONE 3/8" STEEL 6" X 11"	\$11.
H.	RECTANGLE 3/8" STEEL PLATE 18" X 24"	\$48

(NOT FOR USE WITH C.F. RIFLES)

CHARGE TO YOUR VISA
OR MASTERCARD

CALL

800/821-3475

FAX 815/964-0045



14B290

1025 SCHOOL STREET
ROCKFORD, IL 61105-0898

You Can Afford The Best—Beeman!



Sugg. Retail from \$288.00

Not everyone can afford a great house or a Mercedes, but almost every shooter can stretch a bit to have the very best in production adult airguns. You can afford the Beeman P1—the magnum adult air pistol which stands alone at the top of sporting air pistols. You can afford Beeman Silver Jet Pellets—the super penetration pointed pellets whose performance and quality have defied copying.

Beeman P1 shown with optional Beeman "Combat" grips and Model 25 scope.

Send for Beeman Adult Airgun Guide/ Fire-arm Catalog, reg. \$2, FREE with mention of code HA5. Allow 4-6 weeks. For fast, 1st class mail add \$2; \$3 for overseas delivery.



Beeman

Beeman Precision Arms, Inc.
3440-HA5 Airway Drive
Santa Rosa, Calif., 95403
Phone (707) 578-7900

COMPETITION SHOTGUNS & RIFLES

Building the ultimate in accuracy and reliability.

Tank's Rifle Shop offers the best in competition proven conversions of:

- REMINGTON 11-87
- REMINGTON 1100
- REMINGTON 870
- H & K BENELLI
- M14/M1A RIFLE
- AR-15

*For more information, send \$3 (refundable) for our illustrated catalog.

TANK'S RIFLE SHOP

Jon Tank, Owner
P.O. Box 474
Fremont, NE 68025
Ph: (402) 727-1317

M-F 9:30 AM - 4:00 PM CST

the bullet it has to do during the jump of the gap from the cylinder to the barrel the better for both wear and accuracy.

The wear of the forcing cone was documented by Kent years ago when Carl Hellstrom of Smith & Wesson would send Kent six .44 Magnums at a time. Kent would paint a "K" or a "T" on the side of one gun with fingernail polish and then shoot only the Lyman #429244 gas-checked Thompson bullet through the T-gun and the Lyman #429421 Keith bullet through the K-gun.

He observed that the rate of wear was almost 4 to 1 in favor of the Keith bullet because after some point between 4,000 to 5,000 rounds the forcing cone on the T-gun would show chipped edges "real bad," while the Keith bullet .44 would go to 20,000 rounds before experiencing the same problems with forcing cones.

Lubrication

Bruce Merkur points out, however, that maybe we aren't really talking about a problem with gas-checks in this situation, but one of sufficient lubrication.

Elmer Keith insisted on large grease grooves on all his bullets and the Thompson bullet features two, but rather small grease grooves and therefore the forcing cones may have worn due to insufficient lubrication.

As to the problem with pressure, Marty Liggins has observed that when two identical loads are prepared with bullets of the same weight and bearing surface, but one is jacketed and one cast, the jacketed bullet gives lower pressure while the lead bullet goes faster at increased pressure.

But Kent's experience runs completely counter to this and he feels cast bullets always go faster than jacketed at the same pressure levels.

He points out the influence that bullet sizing has on velocity. For instance, Lee Jurras would use jacketed bullets one thousandths undersized for the nominal bore diameter when he had Super-Vel Cartridge Company as a means of gaining increased velocity.

Kent asked, "What is the bore diameter of the specific gun in relation to the cast bullets being used and what is the diameter of the jacketed bullets?"

He also emphasizes that the correct rifling twist is more important to a cast bullet than its hardness in addition to stating a poorly cast bullet will lead whether it is gas-checked or not.

Elmer's Misconception

Kent Lomont does know the story behind Elmer's opinion that gas-check bullets raised pressure. He said he saw the paper once that Elmer had received from the H.P. White Laboratory and it did indeed show his loads were 3,000 to 5,000 psi less than an equivalent load using the Thompson bullet, but Kent goes on to explain the lab had only run five or

Complete Rig as Pictured \$89.95

SEND ONE DOLLAR FOR BROCHURE

* Built fitted in for better concealment

* Two tie downs come with each complete rig their use is optional

THE LIFELINE SHOULDER RIG



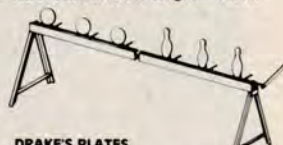
A new addition has been added to our line of quality holsters. Designed originally for Sonny Crockett of the hit series "Miami Vice" This rig is made from top grain cowhide with metal hardware. All holsters and pouches are hand molded for a perfect fit. All connections swivel for a comfortable continuous wear.

SIDE VIEW
Shoulder harness is completely adjustable. These holsters and accessories are uniquely designed to provide maximum speed and comfort. This along with the quality of material and craftsmanship you have come to expect from our company has made us one of the fastest growing holster companies in the United States. We have received an overwhelming response from police departments who are currently using this equipment. **Ordering instructions:** All orders must add 10% for shipping and handling for complete rigs. Send cashier's check or money order, Mastercard and Visa cards are accepted with card number and expiration date. Phone orders are welcomed. No. C. D. D.

Ted Blocker's Holsters
5360 N.E. 112th Avenue • Portland, OR 97220
Ph # (503) 254-9950 FAX (503) 254-7172

DRAKE'S Steel Reactive Targets
Expert Design & High Quality at Factory Direct Prices

- Specializing in Steel Reactive Targets for:
- IPSC Shooters
 - Law Enforcement, Security and Military Training Programs
 - Steel Plate Systems
 - Competition Shooting
 - Gun Club Activities
 - .22 Precision Event Target — P.O.R.



DRAKE'S PLATES
Falling Plate System — \$595.00
Heavy-duty 3 1/2" x 5" angle frame table with 8" diameter faces made of T-1 plate, easy-pull mechanism allows instant target return, disassembles for easy storage, made to competition specifications. Bowling pin size plates optional. Extra bowling pin plates of T-1 (set of 5) \$125.00

VERTICAL SPLIT POPPER — \$165.00
3/8" mild steel standard size popper split vertically — each side falls independently — half can be used as a "No Shoot" target — made like our standard popper with a power adjustment and sturdy channel iron base.



SIDE-TO-SIDE SWINGING TARGET — An IPSC Challenger \$179.00



Target frame swings side-to-side — frame is mounted on ball bearings for longer target movement. Angle base is removable. Target can be easily activated by "Pepper Poppers", Vertical Split Poppers, doors, or by attaching a rope which can be pulled from the firing line. Paper targets not included.

Targets are designed for use with all lead pistol bullets only. Custom plate prices upon request. Send \$2 for full-color brochure. All shipping charges collect. CT residents add 8% sales tax. To order call us at (203) 535-3915 or send name & full shipping address with check or money order to: **DRAKE'S WELDING SERVICE, INC.** P. O. BOX 8, Stonington, CT 06378

10 rounds of each load during the testing and this amount of variation was statistically insignificant.

Elmer took it to heart as vindication of his own expertise when, in fact, it could have easily gone the other way. The sample tested was simply too small for any meaningful results or conclusions.

All of these people are experts in the field of external ballistics and each has their opinions and beliefs based both upon objective reasons and subjective ones. Kent Lomont believes in high quality cast Keith plain base bullets, while Bruce Merkur openly acknowledges that his bullet metal is 100% straight wheel weights, and he feels he doesn't get any leading in the bore because he is using gas-checks.

As for Elmer Keith's opinions on gas-checks, I think it is safe to say they don't raise pressure solely by and of themselves. If a load using gas-checked bullets is showing higher pressure than a plain base equivalent load then there is some other factor involved besides the gas-check on the bottom of the bullet.

More Evidence

The evidence also indicates that gas-check bullets are more accurate than plain base or bevel based bullets, and many .44 shooters must agree with this belief or the sales figures wouldn't be the way they are.

As to the problem of the gas blowing the grease out of the grooves, no one has proved or disproved this opinion of Elmer's. It will remain unresolved, but the scientific principle of obduration more or less points against Elmer's theory.

Concerning Elmer's belief that gas-checked bullets aggravate the cutting of the top strap in a revolver. No one—and I mean *no one*—I talked to has seen any evidence this is true and I personally cannot understand how a gas-check bullet would gas-cut the top strap faster than a normal jacketed bullet.

But all of this is somewhat immaterial in a way, because most of us will continue to use plain-base and bevel-base bullet for no other reason than simple economics. We can't afford to purchase commercially cast bullets with gas-checks and most of us lack the time necessary to cast sufficient quantities of labor intensive gas-checked bullets for both practice and competition.

Therefore, I will continue to cast and shoot Keith plain base semi-wadcutter bullets in my magnum revolvers, but it will be for reasons of economics and because they are damn good bullets, not because Elmer said so.

Elmer Keith is a legend, but the important thing to remember is that he was only human and therefore capable of drawing incorrect conclusions. He is one of my heroes, but on the subject of gas-checked bullets I'm not sure he was totally correct.

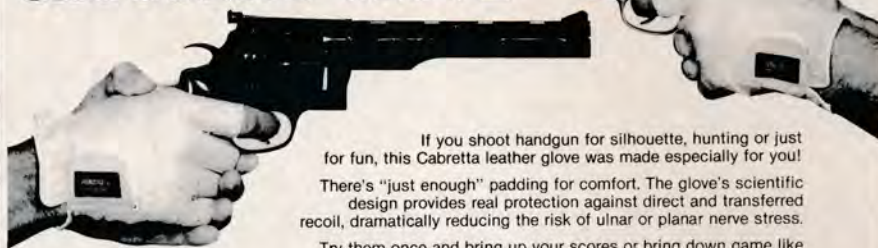


OFFICIALLY APPROVED FOR I.H.M.S.A. COMPETITION.

CHIMERE™

Model 454

SHOOTER'S GLOVE



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

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

Avail. in Rt. Hand, Lft. Hand or Pair. Please specify Hand and Hand Size (SM, MD, LG, XL or XX). Include check or money order for \$13 (1 Glove) or \$25 (Pair) plus \$1.00 postage and handling, payable to:

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

THERE IS NO OTHER CHOICE



\$199.90
(Gun Not Included)

QUADRA-COMP II™

The **only** drop-in Barrel/Compensator system on the market today that offers accuracy equivalent to a fitted barrel **and** greatly reduced muzzle flip! How can we make this claim? **Unlike** other drop-in systems, the **QUADRA-LOK II** is user-adjustable for a **guaranteed** tight lock-up between barrel, slide and frame. Add to this our Dual Volume Gas Jet Compensator and you have a winning combination. **Truly Drop-in—NO metalwork—NO alterations** to the pistol—**NO** special skills required for installation! An exceptional value!

Here's what you get: **QUADRA-LOK II** Stainless Match Bull Barrel with hand-polished wrap-around feed ramp (no bushing req'd.); Adjustable QL-II Stainless Slide Stop (pat. pend.); Compensator in Blued or Stainless Steel; Captive Variable-rate Buffered Recoil System (Wolff Spring) with spare parts kit. Extended Slide Stop available for \$4.95 extra. Only **\$199.90** complete (+\$3.50 S&H and \$2.25 COD). Prepay, COD, MASTERCARD & VISA welcome. Dealer pricing available. Send **\$1.00** for Brochure, operating principles, and comparison study of Drop-in Systems. (Gunsmiths—Custom Models Avail.)

CENTAUR SYSTEMS, INC.

Suite 114 / 15127 NE 24th
Redmond, WA 98052-5530 (206) 392-8472



BUEHLER PISTOL MOUNT



NO DRILLING OR TAPPING

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

Send for Free Brochure 45H or call
415-254-3201

DEALER INQUIRIES
INVITED

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

GARTHWAITE

Continued from page 32

bility tuneup and trigger job, or a full-house competition gun. The biggest demand is for the full-house guns, and he enjoys doing all the work himself to give his clients a truly custom-built gun.

All work is done in his shop except for special finishes such as Metaloy. He says the .45 ACP is still the most popular caliber, although demand for .38 Supers is increasing.

His compensator system starts with a standard length slide which is shortened a half inch. The shorter slide, he feels, gives a better balanced and faster handling gun. It also cycles extremely fast, and the lighter slide transfers less momentum to the frame during cycling. A coned, match-grade five-inch barrel is precisely fitted to the slide and frame.

The compensator body is milled from steel and fitted to the barrel, then slide and comp are machined together so precisely that they look almost to be one piece. Garthwaite fits a long ejector to the frame, and lowers and scallops the ejection port. The slide is then carefully fitted to the frame by tightening and lapping it to give smooth and reliable cycling.

He adds a full-length guide rod, set up with Wolff vari-coil springs matched to the loads to be used. Price for this system on your gun, including the match barrel and other parts supplied, is \$600. If the customer wants a Bar-Sto match barrel it will cost an additional \$100 in .45 ACP, or \$150 for a ramped Bar-Sto in 9mm or .38 Super.

All the other modifications that have come to be associated with full-house competition guns are available on an individual basis. Where parts are to be changed, he supplies the parts he feels are of the highest quality, then modifies them when he thinks appearance or function can be improved.

In addition to the parts shown, he has recently begun to use the CMC hammers and sears marketed by top competitor

Chip McCormick and feels they are a superior product.

He also highly recommends Craig Spiegel stocks.

Attention to detail is the mark of the craftsman. Take the fitting of the Bo-Mar sights to the slide. Many pistol-smiths make the dovetail cut for the sight base, then make a single cut across the back of the slide for the sight blade and windage adjustment screw.

Garthwaite makes a whole series of milling cuts on the slide, sinking the sight into the slide so neatly that it virtually becomes a part of the slide.

Take the fitting of a Pachmayr thumb guard; this guard incorporates a replacement safety plunger tube and normally is retained by being riveted to the frame and by the left stock panel. Garthwaite first recontours the part, then solidly locks it in place by drilling and tapping two additional holes and securing the part with socket head screws. The left stock panel is then precisely inletted to fit over the new part.

Another example is the fitting of the Ed Brown Maxi-Well. It takes good workmanship to fit this part properly, but Garthwaite doesn't stop there. He reshapes the part, then inlets the bottoms of the stock panels to fit over the Maxi-Well. He's built up a number of jigs and fixtures to help do these jobs as accurately as possible.

The fitting of the hammer and the beavertail grip safety serves to illustrate the combination of practicality, artistic sense and craftsmanship that make up a custom gun. A beavertail grip safety has a functional purpose—it makes for a more consistent draw and a comfortable shooting grip. A lightened hammer likewise has a practical purpose, giving a faster lock time.

Garthwaite opens up the loop in the CMC hammer to lighten it, and in doing so he shapes it so that the lines of the hammer loop follow the curve of the grip safety in an aesthetically pleasing manner.

One can appreciate such work on three levels: its practical functionality, the artistic sense of line and shape, and the technical skills to do the work properly. The

same observations can be made about the superb, handcut metal checkering.

When all is said and done, though, this is still a race gun and it has to perform. All the detailing in the world doesn't mean much once the buzzer sounds. No problem. This gun is *quick*.

The shortened slide makes it light by comp gun standards and moves the point of balance back a bit. It's a very fast-handling gun, quick from the leather and from target to target, and the compensator system is highly effective in controlling muzzle rise and keeping the sights on target. The IPSC or action shooting competitor couldn't ask for a more effective gun.

A shooter who has been using a Garthwaite custom gun for some time is an Ohio electrical contractor named Gerald Barnhart. (If the name sounds familiar, it should. Gerald has a son named Jerry Barnhart who's won the odd pistol match, including the '87 Steel Challenge and IPSC U.S. Nationals.)

Gerald shoots a Garthwaite-built .45 and likes the fast cycling and quick handling characteristics. Metal checkering and workmanship, he says, are second to none. "Jim is one hell of a good gunsmith," Gerald says, "And he's a good shooter as well. I think he'd be a top level competitor if he wasn't so busy building guns."

Another recommendation came from Bill Dickerson, at Bill's Sport Shop in Pennsylvania. Dickerson owns two Garthwaite guns personally and has sold perhaps half a dozen more through his shop.

He says, "I can't speak too highly of Jim. His guns look good, they work good, I think the workmanship is equal to any in the world."

What about follow-up and customer service? "Jim's very concerned about protecting his reputation, he doesn't want any chance of a dissatisfied customer or a gun that isn't up to par. He'll call up customers and ask how the gun is working, just to make sure they're happy with his work. The only problem I have with Jim is that his reputation is already growing so much it takes 18 months or so to get a full-house gun delivered."

Do you really need custom work of this quality? From a practical, rational point of view, maybe not. No one is likely to lose a match because the checkering is full of overruns or unpointed diamonds.

But if you would like to own something that is both functional and beautiful, handmade by a craftsman to the highest standards, something that will be a classic when you receive it and still be a classic a hundred years from now, then yes, it's worth it.

If that's the kind of gun you want, write Jim Garthwaite at Route 2, Box 310, Dept. AH, Watertown, PA 17777 or call (717) 538-1566.





NEW 1990 LYMAN CATALOG

Features products old and new including reloading and casting kits for beginner or expert, new **Model 1200 Turbo Tumbler**® models with **Auto-Flo™ System**, a new **Gunsmithing Punch Set** and **The Deerstalker** - a new hunting rifle for the muzzleloader.

Includes entry form for the Second Annual **Lyman On-Target Sweepstakes** with more than 100 chances to win.

Full size 40-page color catalog available for \$2.00. Small 2-color version FREE. Please specify and write to Lyman.

Questions? Call Toll Free 1-800-22-LYMAN

Lyman®

Dept. 740, Route 147
Middlefield, CT 06455

FBI 10MM

Continued from page 25

Briefly, they state that for a test to be valid the environment must be controlled, test barrels must be of equal length, and the targets must be uniform.

After some scientific discussion, they turn to statistical analyses. They ask: "Did the differences among the calibers happen by chance or are they true differences?" They conclude that due to the labor involved in making the gelatin, five rounds per caliber is a large sample.

"Statistically, however, this is a small sample size and depending on the variability of the data, differences as large as one inch may not be statistically significant."

In other words, a round that penetrated 11 inches in the test may be just as good as one that penetrated 12. We will return to this when we get to discussing the data.

When the research people wrote of controlling the environment, they may have seen the FBI video. In one scene, purporting to show the actual test, it is clear that the test is taking place on an outdoor range, on what appeared to be a cold (the agents all wore jackets) and overcast day.

Did they complete the test all in one day? Or were the photos taken only for a backdrop for the video? No explanation

was offered.

The data really gets a teflon coat on the issue of barrel length. In the video, the firearms staff states that all rounds were tested from service type handguns.

In *The FBI Bulletin*, Agent John Hall of the firearms training unit states that the rounds were fired from test barrels. In fact, he discusses the fact that the .45 and 10mm used a six-inch barrel, and the 9mm a four-inch barrel.

But wait—the penetration table in the test data shows different rounds in the same caliber were fired in different handguns and barrels.

For example, Norma 10mm was fired in a five-inch Colt Delta, Federal 10mm in a six-inch test barrel and a five-inch S&W 645. If I submitted a "test" in this fashion to the *Handgunner*, not only would it not get printed, but the editor would send me a real nastygram. This factor alone tends to cast doubt on the entire test.

Ignoring Other Rounds

What was tested is another issue that needs to be aired. Looking over the list of rounds tested shows that the FBI chose certain rounds, while ignoring others.

Obviously, they could not test every bullet in every caliber, but the omission of many popular police rounds is odd.

For example, in 9mm the original test included only 115 grain Winchester Sil-

vertip (fired in a SIG 226), 147 grain Winchester JHP (from a four-inch test barrel), and Federal 147 grain Hydra-Shok (again in the SIG 226).

The May, 1989 FBI report added Federal 124 grain Hydra-Shok (in the SIG). No other loads are reported, and the same type of testing was conducted in the other calibers.

It seems strange to dismiss entire calibers with such a limited test of loads.

In the entire test, one and only one handload was tested. And who, you may ask, developed the only load tested by the FBI? Why, the FBI, of course.

It does seem strange to me that the only handload tested was the load selected. Could it be that the result was decided before the test?

Only the FBI knows for sure, and for reasons we shall discuss later, we will never know the truth.

FBI Test Results

Having expended gallons of gelatin, hundreds of hours, and no doubt thousands of taxpayer dollars, the FBI decided to analyze the results. Here is where the full impact of the R & D unit's comments hits home.

The FBI tested for permanent cavity by calculating the wound channel volume. Even here their pet 10mm Lite did not do as well as several .45 rounds.

The Norma 170 grain 10mm at 1358

Select a Burris handgun scope, and you're in pretty good company.

Competitive shooters can't afford to use second-rate equipment. From their modified, customized handguns to their shooting glasses to their scopes. Competitive shooters rely on quality products to get the best performance from the skills they have. That's why competitive shooters choose Burris handgun scopes. More than half of the scopes used in the 1986 and 1987 Bianchi Cup and the 1987 Masters competition were Burris handgun scopes. In 1989, a Burris scope was used to win the Bianchi Cup. Of the top 8 handgun shooters in the Masters competition, 5 use Burris handgun scopes...just like the ones you can buy. Burris optics deliver a crisp, bright sight picture and can

Burris Scopes and Mounts

Rugged and Reliable To Keep You on Target



Burris Company 331 E. 8th Street
Greeley, Colorado 80632

Shown above is the 5X LER P.A. and the 1X LER Burris handgun scopes mounted with the NEW Burris No-Drill, No-Tap handgun mounts.

withstand even the most violent magnum recoil, time and time again. And our selection is so vast you may have a hard time choosing the one you like best... All Burris scopes are 100% made in the U.S.A., and are backed by our lifetime warranty. Burris makes more handgun scopes than anyone in the world. When you buy a Burris scope, you're in pretty good company. For a complete catalog, send \$1.00 to: Burris Company, P.O. Box 1747, Dept. B1, Greeley, CO 80632.

Burris

© Copyright 1990, Burris Company, Inc.

fps won with a calculated figure of 4.39. Second was the Remington .45 ACP 185 grain JHP at 936 fps with 4.22. Third was another .45, the Federal 230 grain hollowpoint at 828 fps and a figure of 4.16.

In fourth place was the FBI's baby, 180 grain 10mm hollowpoint with a velocity increase from 922 fps to 1035 fps and a calculated volume of 4.11. There is no explanation for the higher velocity for this particular phase of the testing, nor does the FBI explain why the fourth place round was rated first for adoption.

In the original data only the Norma 10mm 170 grain round at 1,358 fps scored 100%. That is, this full power 10mm was the only round to have all 40 shots penetrate 12 inches.

The Federal 180 grain 10mm at 1,035 fps had one "failure" (97.5%). Remington's .45 ACP 185 grain and Federal's 10mm Lite 180 grain at 922 fps each had two that failed to go the distance, or a 95% rate. The raw test data shows that the two .45 "failures" actually penetrated 11.25 inches and 11.75 inches. The R&D folks said that even a difference of one inch may not be significant.

So if the test is 12 inches of penetration plus-minus one inch, the Remington .45 JHP scores 100%. And the selection was based on this test? Performed but one time?

Could the result have been predetermined? In the video presentation, the FBI,

including Agent John Hall, stated that they do not claim that their choice is the best choice for all agencies.

But after presenting all of their data, they stated they had two reasons for selecting the new, untried 10mm Lite over the well proven .45 or 9mm:

- 1) "The .45 and 9mm are fully developed."
- 2) "We can get more rounds in the gun."

A logical examination of these two statements raises doubts. Yes, both the .45 and the 9mm date from around 1900. But to dismiss them as "fully developed" is wrong.

What the FBI did was to change the rules, and then quickly declare themselves the winners.

Until the Sixties, semi-automatic pistols shot ball ammo, period. Lee Jurras "invented" high velocity hollowpoints, and made them work in semi-autos.

Soon, all of the major factories added HVHP ammo to their lines. We discarded the Thompson-LeGarde tests and the Hatcher Relative Stopping Power models, and worshipped at the altar of velocity.

The Law Enforcement Assistance Administration funded a project with our new toy, the computer, to create the Relative Incapacitation Index. Suddenly velocity for the sake of velocity is *passé*. The new buzzwords are Kinetic Energy, Energy Dump, Energy Transfer; these were the shrines, and the ammunition makers made ammo to fit into our new rules.

Now the rules change.

Just to prove that the ammunition makers will sell anything as long as someone wants to buy it, Hornady introduced three new bullets. And these new bullets, including at least one in 9mm, were designed to meet— you guessed it— the FBI penetration criteria.

Just how long do you think it will take for loaded ammo, made to pass FBI standards, to be on your dealers shelves? I figure about six months.

Magazine Capacity

"We can get more rounds in the gun."

That is true, but it raises the question— why do you need them? In the Miami disaster, I have calculated the agents fired at least 77 rounds of 9mm, .38, and 12 gauge. They scored a grand total of 12 hits on the two suspects, or 15% hits. And 10 of those hits were scored by one man, Special Agent Eddie Morales (four with a shotgun, six with his handgun).

Could it be that these agents were not trained for the job they needed to do?

The national average for hits of shots fired by the police in this country is around 20%. Perhaps the problem in Miami was not the rounds that hit, but all of those misses!

Rather than buying new handguns and ammo, the FBI should look to training their people differently.

Stressfire



"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	Name	_____
THE STREET SMART GUN BOOK	\$11.95	Street	_____
Shipping and handling	\$2.95	City	_____
TOTAL ENCLOSED	_____	State	_____ Zip _____

As an example, the official FBI target is a "blob" target. That is, it looks nothing like a person, but like a fat Coke bottle. Does this target train FBI agents for deadly encounters? Or does it suggest that they will never fire at a person, just an amoeba-like mass?

The target is scored either one or two points for a hit, depending on the course of fire.

And look at their course of fire. One course calls for a possible 100 points, on a 60 shot course. Qualifying is 75 points. How do they do it? Simple—you start the course with 40 points!

If you make 35 hits, each worth one point, you are qualified. (For what?)

That's right, 58% hits is a qualifying score on this course of fire. Yet another Federal agency requires a score of 80%, and if you fail two times in a row, they fire you!

Bureaucratic Mess

What we see here is the bureaucratic mindset, the greatest hinderance to the dedicated agents of the FBI. We are left with some very disturbing questions.

Why do they shoot at the blob target? Could it be that some bureaucrat is afraid that training on targets that look like people is bad public relations?

Public relations is a big thing to any Federal agency, but has it cost FBI agents' lives?

Why do they qualify on a course at 58% hits? Could it be that some bureaucrat "gives" them 40 points so the numbers round out to a nice even 100?

Why did they chose the 10mm Lite? Could it be that the FBI has lost its reputation as a leader in law enforcement firearms training, and is trying to leap to the front with a single stunning move?

Special Weapons

This is not the first time an agency has had a "special" weapon, not really different from the off-the-shelf items.

In the late Sixties, Colt produced the "Border Patrol" .357 revolver, and commercially sold a few marked "Border Patrolman."

Just a few years ago US Customs had a minor modification of the Model 686 made up as the "CS-1" (Customs Service #1) by Smith and Wesson.

Is this the FBI's turn and, always wanting to excel, they selected a new handgun in a new caliber?

We will never know the entire story, for a simple reason. William Sessions, Director of the FBI, has personally made the official announcement of the adoption of the 10mm Lite, and they cannot step back from that. In fact, they have just ordered 10,000 S&W pistols.

Evil Plot?

Was this a mistake? I don't believe in the conspiracy theory of life, where everything is the result of an evil plot. Being intimately knowledgeable of the inner

Restyled Case Gard® Ammo Boxes



The NEW P-50 series of pistol ammo boxes offers you traditional Case-Gard® quality. The P-50's feet mate with grooves on the box top for secure stacking. Redesigned dividers make it easy to remove

individual rounds. A load data label is included. Available for .38/.357 Mag., .45ACP/.44 Mag., and .380/9mm Auto.

Available in Forest Green and Black



Write for information or see your local MTM Dealer.



MTM Molded Products Company

P.O. Box 14117 • Dayton, Ohio 45413 • (513) 890-7461

EAGLE GRIPS

We Accept  

FOR SIG SAUER P226

EXOTIC ROSEWOOD GRIPS

Also available for P225, P230, P220 (European)

We offer the largest selection of Rosewood, Ebony, Stag, Mother-of-Pearl and Horn grips for most production handguns

IF UNAVAILABLE FROM YOUR LOCAL DEALER -

**ORDER TOLL FREE -
1-800-323-6144**

IN ILLINOIS CALL (708) 260-0400

EAGLE GRIPS / Div. ART JEWEL ENTERPRISES, LTD.
DEPT. AH-5, 460 RANDY ROAD, CAROL STREAM, IL 60188

SEND \$1.00 FOR COMPLETE COLOR CATALOG

\$59.95
PLUS \$3.50
Ships & Handle



"Thanks to B.A.T. weighted magazine base pads I proved to have the fastest reload in the country by winning the U.S. National man vs. man shootoff in 1989. The extra 2 oz. weight of the B.A.T. ULTRA MAGPAD really got the job done."




Frank Garcia
U.S. (IPSC) Gold Team Member

ORDER TODAY:

B.A.T. ULTRA-MAG PADS

\$9.95 two per pack - FREE SHIPPING 48 STATES

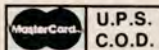
Specify for Wilson/Rogers Magazine or Shooting Star Magazine

BETTER ACCURACY TECHNOLOGIES

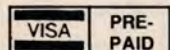
P.O. BOX 55-8266 • Miami, Florida 33255-8266

(305) 688-0262

DEALERS INQUIRIES WELCOME



U.P.S.
C.O.D.



FIFTEEN-SHOT - DOUBLE-ACTION
9mm PARABELLUM



Today's best value in the over-crowded field of large capacity 9mm Parabellum pistols. The rugged, straight-forward design of the Star Model 30 auto provides the best performance record for any on the market - *over 40,000 rounds thru one pistol in a rental M30 on a public range!* It's the best kept secret among real professionals. Two models: light weight alloy frame or all steel. Both offer the smoothest, out-of-the-box double-action you've ever experienced. Ask your dealer for the Star Model 30.

WRITE FOR FREE 32-PAGE CATALOG

INTERARMS

NUMBER TEN PRINCE STREET, ALEXANDRIA, VIRGINIA 22314

workings of a Federal agency, I think the FBI's 10mm is the result of some hard working, forward thinking agents, with good ideas, who may have been subverted at the top by some bureaucrats with an eye for public relations.

Let's face it, how many of us paid any attention to what the FBI was doing in the firearms field before the 10mm ruckus? And how many pages of print and gallons of ink deal with the FBI and firearms now?

If this is a publicity stunt, and some in and out of the Bureau say it is, boy, has it worked!

Will the agents be better armed? When compared to the current revolver, yes, they definitely will. Compared to a quality .45 or 9mm, I don't think so.

Would the new 10mm have made a difference in Miami? My forensic friends, one of whom had complete access to the details, say no. But if it had improved that dismal hit ratio, well, yes, it would have helped.

Then why adopt it? As with any police force, it is easier to buy a *thing* than invest in training. It is much easier to go to Capital Hill with a *thing*, a pistol, and explain why more money is needed, than to say that your agents need more of this intangible thing called training.

And that would imply that the current FBI training is inadequate, something Mr. Sessions would never want to admit.

Is the 10mm Lite a disaster? No, I think it is just a waste of public money.

But it has raised the consciousness of many FBI agents, and others, about hand-gunning. Hopefully the Bureau will move past the matériel stage, and look to the tactics that can really save officer lives.

I know—I have been to 11 officer funerals, and I firmly believe that training in good tactics, not flashy hardware, will save my life, and the lives of my fellow officers. Survival is the only victory.



There is good reason that the article is written under the nom de plum Walter Walsh. The author, with over two decades in Federal law enforcement, has seen the FBI react to criticism in the past. Their traditional response has been to find the critic, and see that he is fired or transferred to an undesirable post.

The author has been a firearms instructor for over 25 years in law enforcement, including a three year stint at his agency's academy. Now back in a field post, he is actively involved in officer survival training centering on tactics.

He has the highest regard for the field agents of the FBI, who are often hamstrung by odd regulations from their headquarters. His intent is solely to bring the facts in the open and let them speak for themselves. He wishes to thank those agents of the FBI who helped with this article, who must also remain nameless.

196 Pages!! 300+ New Products!!

BROWNELLS CATALOG #42

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

Dedicated to the principle that the man who works on guns deserves:
 The Best possible in supplies • Immediate service from in-stock inventories • Personal association with knowledgeable gun people • Constant adjustment in product performance • 100% Guaranteed

SELECTED FOR THE SELECT

For the trade are: • Tools for every need • Chemicals for every application • Supplies for every operation • Accessories for from crown to buttplate, to shoot, to service, to repair, to re-build or build the Gun • Electroless nickel plating • Wood carving tools • Engraving supplies • Hot and cold gun bluing • Special glass bedding - ACRAGLAS® - ACRAGLAS GEL® - STEEL-BED™.

Price \$3.75* (Cash/Check/MC/Visa) - FREE TO QUALIFIED GUNSMITHS/DEALERS (FULL & PART TIME)

Serious Gunnuts & Hobbyists (Our new regular customers of the future): Ask, and we will send Federal Firearms Licensing procedures with your \$3.75 catalog order. For the good of the entire shooting Fraternity we are anxious to help you get started as a legitimate professional - full or part time - or enhance your guncraft. The future fate of shooting in any area depends on the activity of the local gunsmith. YOU can both serve and enjoy!

*Foreign: \$4.75

BROWNELLS, Inc. 200 S. GROVE 515-623-5401 MONTEZUMA, IOWA 50171

*Refunded on first \$35.00 order

NOW AVAILABLE

JEFF COOPER'S TO RIDE, SHOOT STRAIGHT, AND SPEAK THE TRUTH.

COOPER WRITES ABOUT:

- The Combat Mind-Set
- Bodyguarding
- Military Pistols
- The Social Shotgun
- The Machine Pistol con
- Rifle Handling Under Hazard

YES! Please send me _____ copies for only \$26.00 plus \$2.50 shipping & handling, per book. CA residents add 7.25% SalesTax. Check/MO \$ _____

Bill my VISA/MA No. _____ Exp. Date _____ Initial _____

Name _____ Address _____

City _____ State _____ Zip _____

CUT OUT & MAIL TO: GUN BOOKS, 591 CAMINO DE LA REINA, #200 SAN DIEGO, CA 92108

CATCH-ALL



BRASS CATCHER

attaches to your hand... only **\$24.95** ppd USA

Catch ejected casings from automatic handguns with the CATCH-ALL brass catcher.

- saves time & money—eliminates searching for lost or scattered brass
- will not hinder shooting or obstruct sight picture
- catch ejected casings from automatic handguns (right handed)

AVAILABLE NOW!

Rifle/Shotgun brass catcher
Call for information

patent applied for

Place your order today!

Call Department 206 TOLL FREE

1-800-824-6853

Visa and MasterCard accepted

No Risk 30-Day Moneyback Guarantee

Catch-All Products, Dept. 206

P.O. Box 2522, Eugene, OR 97402

AYOOB FILES

Continued from page 16

"Give me your money or I'll kill you," the man behind the sunglasses snaps intently.

Yuhr does not seriously consider going for his holstered .45. He is not about to kill for Diamond Cab's money, let alone die for it.

He hands over the night's receipts and his change, which he keeps separate from his wallet.

The man takes the money and growls, "Give me your wallet."

"There's no money in it," Yuhr answers.

"Give me your wallet!"

"There's no money in it."

"Give me more money or I'll kill you!"

"I've given you all the money I have!"

"Get out of the car!"

The man in the back seat gestures savagely with the muzzle of the 9mm, and Yuhr opens his door, slides out of the bucket seat, and steps into the roadway.

He watches as the man climbs between the two front buckets from the back seat. As he starts to emerge from the driver's door, the gunman's head swivels both directions, as if scanning for witnesses. His finger is tight on the trigger of the Smith & Wesson automatic.

Do Or Die

Yuhr suddenly realizes that this man is going to execute him. He wonders for a second if he should fire only once or empty the pistol, and realizes instantly that they are only a few feet apart, and he'll probably have to fire the entire magazine.

As the wiry gunman is halfway out the driver's door, Mark Yuhr makes his move.

He clears the Combat Commander smoothly from the Sparks holster and begins firing immediately, one handed from the hip, as fast as he can pull the trigger.

The roar of sustained .45 ACP fire sunders the night, but Yuhr does not hear a single shot. He is concentrating on his would-be executioner, and sees him as if he was at the end of a tunnel.

The man jerks back and forth from the hits as Mark Yuhr keeps firing, and Yuhr sees the dark eye of the 9mm's muzzle point toward him as the man jerks the trigger again and again, but there is no muzzle flash and he hears no shots from the other man's pistol, either.

And now the armed criminal falls back into the car, his gleaming pistol still in his hand. Mark hasn't been able to count his shots, but he realizes that his slide has locked back and his .45 automatic is empty.

Packing 150 pounds on a six-foot frame, Yuhr is not a burly man, but urgency and fight-or-flight reflex give him a jolt of superhuman strength.

With his left hand alone, he grabs the

Major Caliber



Technical Products
Division

IF YOU WANT REDUCED RECOIL IN THAT M1911 SEMIAUTO, WITHOUT GOING TO A "COMP"; WE HAVE IT!

A technological breakthrough in buffer development that reduces felt-recoil by more than 30% with no gunsmithing required. It's simple, it's reliable, and it offers a dramatic improvement in your gun's controlability with no added weight, size, or major alterations. It will fit most standard M1911 "O" Frame recoil systems. Send \$19.95 for your MC "Elite" Buffer Kit today. Include gun make, model, barrel length, and alterations. Satisfaction guaranteed.

P.O. Box 40, Nederland, CO 80466

IT'S BACK!



The Original
Dirty Harry®
Shoulder Holster

For ALL
HANDGUNS

Original
'Rich-Russett'™
Color Or
'Marauder'™

Black Model
w Black
Suede Lining

CATTLE BARON LEATHER CO. Now Holds The Rights to this **WORLD CLASS HOLSTER**

WORN BY SHOOTERS IN OVER 21 COUNTRIES
• HOLSTER & HARNESS made Entirely Of TOP-GRAIN LEATHER NO ELASTIC—NO Split Cowhide is Used NO STRAPS VISIBLE ACROSS CHEST

• HOLSTER Is Made From **EXTRA HEAVY HAND SELECTED, TEXAS SADDLE LEATHER**

• HOLSTER Is Lined With **GENUINE SUEDE**

• This Is **THE ORIGINAL**—Recommended As The 'Best' By More Gun Writers Than Any Other Holster in The World

• **PRICES:** 6-1/2" barrels or under \$99.95
7-1/2", 8" or 8-3/8" barrels \$109.95
10", 10 1/2" or 10 3/4" barrels \$119.95
(Left Hand Models—NO EXTRA CHARGE)

COLOR CATALOG \$3.00. Please add 5% to total of order for shipping & ins. in Cont. U.S.—**ALASKA, HI, APO**—Add 10%—**FOREIGN**—Add 25%
DEALERS—Send \$3.00 & F.F.L. for Catalog

Credit Card Orders (512) 697-8900.

Send check M.O. VISA or M.C. to:

CATTLE BARON LEATHER CO.

P.O. Box 100724, Dept. AH5, San Antonio, TX 78201

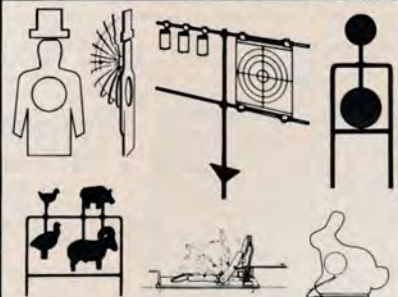
BEWARE OF CHEAP IMITATIONS

TAKE YOUR BEST SHOT!



Made in the USA

Action Filled Targets for the
Serious Shooter or the Plinker



Contact your favorite
Sporting Goods Dealer or:

—World of Targets—
9200 Floral Ave.
Cincinnati, Ohio 45242
(513) 791-0917

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 NEVER 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 (209) 252-9613

NEW CONCEPT!

CONCEALED CARRY without a jacket!

Now available with a knife sheath or a pager case.



The **Hidden Difference™** holster allows you to carry a small defensive handgun without the bother of a jacket or vest to hide your rig.

- Only the knife sheath or pager case shows.
- To draw, grasp the knife sheath or pager case and draw your entire holster.
- Comfortable enough and conceals well enough that you can carry your gun all day, every day if you wish.
- Models to fit most small 22, 25, and some 380 automatics. Sheath fits 4 1/4" knife. Case fits small, late model pagers (not included).
- Specify right or left hand shooter, brown or black sheath.
- \$49 postpaid for knife sheath models, \$59 for pager case models
- Safeguard yourself and your family



Call Now, Toll-Free: 1-800-227-6464, 24 hours. MC, Visa, or C.O.D., or mail to Leatherwood Holsters (formerly Leatherman Products) Teel Rd., Dept AH, Winchendon, MA 01475. Dealer inquiries welcome.

Satisfaction Guaranteed or Money Back

struggling, wounded gunman and jerks him out of the taxi and onto the street. He can see bloodstains the size of 25-cent pieces dotting the robber's linen suit.

Mark thumbs the slide latch of his Colt auto and the slide slams forward; he hopes the gunman will think his now useless pistol is still loaded.

As the robber sprawls onto the pavement, he dives into the front seat and claws for his gym bag. There is no time to grope around for his spare Colt magazine; the cabbie snatches instead the loaded Taurus .38 with his left hand and covers his fallen antagonist with it.

He drops the empty .45 on the seat and his right hand claws for the radio mike to broadcast a Mayday.

Keep 'Em Covered!

Meanwhile, the gunman, seeing the .38 levelled at him, tosses his 9mm Smith & Wesson away as a gesture of surrender. It lands on the greenswale between the road and the sidewalk.

The wounded gunman tries to get up. "Don't move!" yells Mark.

He has reached the microphone now, and realizes to his horror that it no longer works. A .45 slug, one that missed or one that exited, has shattered the radio mike.

He screams for help at the top of his lungs. The gunman again starts to rise to his feet, blood dripping from his torso wounds. Yuhr puts his foot against the man and shoves him back down to the pavement. The man is trying to say something, but Yuhr can't make out what it is.

Then he hears a voice telling him, "Relax! We've called the police and the ambulance!" Concerned citizens have reached the shootout scene.

Cavalry Arrives

There is no further movement from the man who is lying in the street. In the distance, Yuhr can hear sirens, and common sense tells him he doesn't want to be standing there, unidentifiable, with a gun in his hand as police officers respond to the shooting scene.

He gets out of the car and sets his empty .45, his spare loaded magazine, and his Taurus .38 on the trunk of the cab. He stands next to them, ready to grab the .38 if his downed opponent revives again.

And then the police are there. He steps away from the car and the guns, and raises his hands. The police do not draw their weapons. One of the first responding officers, a blonde policewoman, comes up to Yuhr and says, "Calm down. Relax. Take it easy."

Then the paramedics are there, working on the fallen perpetrator. Yuhr feels nausea welling in his belly and tears burning in his eyes.

One of the officers suggests he sit in the back seat of a cruiser with his feet on the pavement and his head between his legs. The nausea subsides, but he feels the tears coming. His hands are trembling

YOU DON'T NEED CASTRO'S PERMISSION TO ENJOY THE UNIQUE HAVANA FLAVOR!

CUBAN-SEED-LEAF CIGARS FOR THE MAN WHO THOUGHT HE COULDN'T AFFORD THEM!

I'll send them to you from Tampa, the fine cigar capital of the world. Sample the cigars in my new Sterling Sampler and enjoy a wonderful new smoking sensation. I'll include a generous sampling of vintage-leaf, long-filler and cut-filler cigars, all perfectly blended for mildness and flavor.

These superb smokes are made with expertly blended Cuban-seed-leaf tobaccos grown and cured the old Cuban way in Honduras from seed smuggled out of Cuba. They're mild, flavorful and extremely satisfying to the cigar smoker who's looking for something new, something better, something exceptionally tasty. Experts can't tell them from Havanas. You won't be able to either, when you try them. Natural wrapper. If you're ready for a luxuriously enjoyable smoking experience, try them now.



GIFT IDEA!
SEND CIGARS
TO A FRIEND

MY OFFER TO CIGAR LOVERS

I'll send you postpaid a selection of 42 factory-fresh cigars — vintage-leaf long-filler and cut-filler smokes. If these cigars aren't all you expected, return the unsmoked ones by United Parcel or Parcel Post within 30 days and I'll refund your money. No questions asked. Your delivered cost is only \$10.90 for 42 factory-fresh, Cuban-seed-leaf cigars.

THOMPSON CIGAR CO. Dept. BA98 5401 Hangar Ct., Box 30303, Tampa, FL 33630

O.K., TOM! Ship me the Sterling Sampler under your money-back guarantee for only \$10.90.

Check for \$10.90 enclosed (Fla. residents add 6% sales tax) Charge \$10.90 to my VISA MasterCard American Express Diners Club PLEASE PRINT

Credit Card No _____ Exp. Date _____
name _____
street _____
city _____ state _____ zip _____

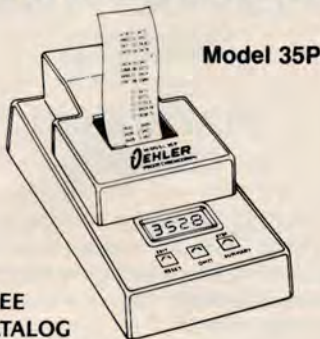
OFFER GOOD IN U.S. ONLY

**TOLL-FREE 1-800-237-2559
IN FLORIDA, CALL: 1-800-282-0646**

CREDIT CARD USERS
SPEED DELIVERY BY CALLING



NEW CHRONOGRAPHS



Model 35P

FREE CATALOG

features you want . . .

- BUILT-IN PRINTER
- REPLAY AND EDIT
- LARGE SKYSCREENS
- LARGE DISPLAY

reliability you expect . . .

- GLINT PROOF™ SKYSCREENS
- EXCLUSIVE PROOF CHANNEL
- CHOSEN BY THE PROFESSIONALS FOR OVER TWENTY YEARS

low prices!!!

- Systems priced at \$155, \$195, and \$345

OEHLER RESEARCH, INC.
P.O. Box 9135 • AUSTIN, TX. 78766
Phone 800/531-5125 or 512/327-6900

ESPIONAGE LEATHER



THE "MASTER SPY"™ SHOULDER HOLSTER

• Worn by Agents From Paris to Istanbul, Berlin to Macau & New York to L.A.
... This is the SLEEK, FAST COMFORTABLE RIG FOR YOU—AND IT'S HIGHLY CONCEALABLE

- HOLSTER & SUPERWIDE "SPY" HARNESS Are Made From HAND-SELECTED TEXAS COWHIDE, ALL TOP-GRAIN LEATHER—NO ELASTIC
- Special Angled Harness Doesn't Bind Under Either Arm —HOLSTER IS FULLY SUEDE LINED
- Holster Has Optional Tie-Down Strap (No Need For A Trouser Belt To Wear Our Rig)
- FITTED TO YOUR SPECIFIC AUTO or REVOLVER
- HANDMADE IN TEXAS BY OUR MASTER HOLSTERMAKERS

• Our Holsters Are WORN BY AGENTS & COMMANDOS In More Than 21 Countries

- PRICES: 4" barrels or under \$89.95
- 4 1/4" Thru 6 1/2" barrels \$99.95
- 7" Thru 8 1/2" barrels \$109.95

(Left Handed Models—NO EXTRA CHARGE)
COLOR CATALOG \$3.00. Please add 5% to total of order for shipping & ins. in Cont. U.S.—ALASKA, HI, APO—Add 10%—FOREIGN—Add 25% (4 to 6 Weeks Delivery!)

DEALERS—Send \$3.00 & FFL for Catalog
CREDIT CARD ORDERS (512) 697-8900
Send check M.O., VISA or M.C. to:

CATTLE BARON LEATHER CO.
P.O. Box 100724, Dept. AH5 San Antonio, TX 78201

Beware of Cheap Imitations

violently. An officer comforts him.

In the eerie glow of the rotating emergency lights, the paramedics apply routine procedures to the downed felon as they place him in the ambulance.

But they know from experience that this predator has taken his last victim. Orlando Barroso, age 29, will be pronounced dead at the hospital.

Autopsy Aftermath

Mark Yuhr's defensive burst of rapid fire was effective. Gunshot wound (GSW) #1 struck Barroso in the right chest 2 1/2" away from the sternum, ripping a gutter through the wiry criminal's pectoral muscle and exiting through the armpit. It was a minor wound.

GSW #2 struck the upper right abdomen, blasting a two-inch hole through the liver, lacerating the diaphragm, and puncturing the lower lobe of the right lung. The spent Silvertip lodged just away from the spine.

The third wound tracked from the upper abdomen toward the back, its angle such that it perforated the stomach, clipped the liver and cut the diaphragm, blasting Orlando Barroso's last meal of rice and meat throughout his peritoneal cavity. The deformed .45 Silvertip lodged in the muscles of the back just under the left shoulder blade.

GSW #4 took the gunman in the left side and stayed in the musculature of the chest, lodging in the back muscles without penetrating the chest cavity.

GSW #5 hit the back of the left arm from the side, clipped the subclavian vein causing significant blood loss, exited the arm, and went on into the left side of the chest, where it lodged in the musculature near the fourth rib without entering the body cavity.

The sixth bullet entered the left forearm and exited the other side without breaking bone or touching any of the great vessels. This bullet may or may not have continued on to strike the body, or it may have been the one that shattered the radio mike.

An undeformed hollowpoint slowed down by passage through a muscular arm would be consistent with the limited penetration and effect in the torso of GSW #4.

The last recorded wound enters the back of the right arm according to the autopsy and, from its point of entry just above the elbow to its exit in the forearm, cuts through muscle and subcutaneous tissue only. There is blood seepage from torn muscle tissue, but no hemorrhage.

Righteous Shooting

The deceased was 5'7" and 128 pounds, but well developed and muscular. He was not under the influence of drugs or alcohol at time of death.

He was a Marielito, one of the criminals and madmen foisted into Miami from Cuba along with legitimate political refugees during the Mariel boatlift. Tattoos

Save Money By Reloading

Your Own Ammo.

The original

PROGRESSIVE RELOADER

for complete confidence

Proven for over 50 years.



The STAR PROGRESSIVE RELOADER as well as the STAR SIZER & LUBRICATOR are the finest available on the market. Use patented STAR PRECISION RELOADER EQUIPMENT and be confident that your shooting competitor has ammunition no better than yours.

GET ON TARGET NOW WITH THE BEST...GET STAR PRECISION EQUIPMENT FOR BETTER SCORING!

For FREE CATALOG send self addressed, stamped envelope.



STAR MACHINE WORKS

418 Tenth Avenue
San Diego, CA 92101

INTERNATIONAL SHOOTISTS INC.

"LIFE WITHOUT FEAR"

HANDGUNS and SELF DEFENSE



\$10.95

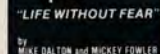
Soft Cover

\$16.95

Hard Cover

\$24.95 Hard.

Autographed and Numbered



World champion handgun shooters Mickey Fowler and Mike Dalton teach you how and when to shoot. Enhance your ability to survive. Areas covered: safety • marksmanship tactics • legal • women • technique • crime guns and equipment • ammunition • 150 photos.

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 SHOOTISTS INC.

DEPARTMENT A.H.
P.O. BOX 5254 MISSION HILLS, CA 91345

WALLER

NORWALK-CONNECTICUT-USA

Waller Bags and Cases, created for shooters, are made in the USA and considered the finest available. They have an Adjustable/Removal Interior Partition System. If displeased with any Waller product it will be replaced or your purchase price refunded.



Waller Field Bag
\$98.00

Colors: Black, Grey, Navy, Red
Size: 9" H x 6" W x 15" L
Call Toll Free: 1-800-874-BAGS or in CT: 1-838-4083
Send \$2.00 for catalogue

Amex, Visa
and MC accepted

W·WALLER·&·SON·INC
142 New Canaan Ave • Norwalk, Connecticut 06850

on the corpse betrayed the dead man as a member of the Cuban criminal subculture.

Mark Yuhr considered himself well treated by Sergeant Gerald Green of Miami PD Homicide, who handled the case, and indeed, felt that every police officer he came in contact with as a result of this incident was helpful and sympathetic.

Sgt. Green told the anti-gun *Miami Herald*, "This sends a major message to the rest of the robbers out there. The cabbie thought his life was in immediate danger."

Yuhr was not, of course, charged in any way with the shootings. His weapons were taken as evidence but his pistol permit was not revoked, and for the three months until his guns were returned he carried a Colt Government Model .45 in the Summer Special.

Post-Shooting Trauma

The rest of society was not so understanding as the City of Miami Police Department and the State Attorney's office. Yuhr was suspended without pay from Diamond Cab and was threatened with a fine by the Dade County Taxi Regulation Bureau, which forbids drivers to work armed.

When an angry Yuhr told the Bureau that he would take his case to court, the matter of the fine was dropped.

After his suspension period, Yuhr worked for Diamond a while longer and then quit. He bitterly resented being punished for defending his life.

He was also troubled by constant anxiety on the job after Barroso robbed him and attempted to murder him. He worked for a while at Tamiami Gun Shop, where he had taken the training class for his gun permit, until the shop closed its doors. He is presently unemployed.

Badly shaken by the incident, Yuhr went an entire night without sleep. Some sort of sleep disturbance, such as insomnia and/or nightmares, seems to accompany every justifiable homicide. Yuhr was, at least, spared the nightmares. He has, however, had frequent flashbacks to the incident.

Post shooting trauma, often mistaken for some sort of guilt, is actually mainly a reaction to society's reaction to your having killed a human being.

Though he was in this reviewer's opinion treated cruelly and callously by his employer, the rest of society supported his actions enthusiastically, and this eased the symptoms of the aftermath trauma.

Yuhr's neighbors told the police they were glad that he had fought back and survived, and that it was a vicious predator who died instead.

Good Riddance, Scumbag

And a predator, Orlando Barroso certainly was. A few years before he had been reportedly sentenced to the Florida State Penitentiary for a long term for having engaged in two gun battles with police.

TOMORROWS FIREARMS FINISH TODAY!!

BLACK HARD CHROME

SHOOTIST SUPPLY is now offering the durability and rust resistance of hard chrome in a **black, non-glare traditional finish**. Black Gard is not a dye or paint, but true hard chrome.

We finish your firearms (Handgun, Rifle, or Shotgun) with traditional gray hard chrome (Rockwell "C" 70) and then double plate with our "Black Gard" chrome (Rockwell "C" 60) for **unexcelled rust resistance and wearability**.

DOUBLE GUARANTEE

1) When your handgun is plated, use it for **30 days**. If you do not think it's the best finish of its type you have ever used, return it — we'll **strip the plating and reblue it AND refund your money**.

2) **LIFETIME GUARANTEE - a first in the industry**. We will **guarantee the finish of the firearm for the life of the original owner** - our black chrome will wear - as any finish will - but, we are so confident that it will give better and longer service than any other black finish on the market that we will refinish your firearm as many times and as often as you wish with only a modest charge (\$24.50) for handling.

You can't lose! Just send us the parts of the firearm you want plated (or we will disassemble for a small charge of \$7.00) to the address below, along with your check, money order or credit card (Visa/Mastercard) number in the amount of \$149.20 for handguns, or \$194.00 for rifles or shotguns (include \$6.00 postage and insurance). **Yes, we can do your guns in black and grey. Turn around time - approx. 2 wks.**

FOR MORE INFORMATION &
OUR FREE BROCHURE
WRITE OR CALL
1-800-654-5985

SHOOTIST SUPPLY
622 5th Avenue
Belle Fourche, SD 57717

Gun maintenance is a vital part of your shooting enjoyment. Silica gel units are available in a variety of sizes and quantities to protect your firearms from moisture damage. They are available in a variety of sizes and quantities.



SG-750 steel canister



SG-40
aluminum
canister



SG-360
foil carton

Silica Gel Units Drink Dampness from the Air to 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 chest, 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, phone number, and check to: Shootist Supply, Box 207-3, Ashley Falls, WV 26025. \$5.00 shipping. Delivered free in the USA. Please allow 2-3 weeks for delivery.

An overcrowded prison system had returned him to a vulnerable society far too soon. There is no doubt that Barroso was fully capable of murdering Mark Yuhr, and undoubtedly would have killed a victim who was not armed and prepared to fight to survive.

Barroso did in fact aim his stolen 9mm automatic at his intended victim and pull the trigger several times. The gun was found on the greenswale fully loaded, with the hammer down and the double-action trigger forward. When they bent down to examine the weapon, the responding officers knew why Mark Yuhr was still alive.

The safety/decock lever at the rear of the slide was in the down position. Baroso's knowledge of deadly weapons had not equalled his willingness to employ them against the innocent.

The stolen Smith & Wesson pistol had been "on safe" the entire time the gunman was jerking the trigger and attempting to murder the armed citizen.

Dingus Lesson

This writer agrees totally with Mark Yuhr: the Taxi Regulation Bureau was totally out of line in demanding punitive action on a workman who is at risk of armed robbery and protects himself from murder.

Yuhr had cooperated totally with the gunman and was obviously about to be killed when he finally acted in self-defense. Florida state law permitted him to both carry his gun under license and fire in self-protection, and should supersede any petty regulations of a county bureaucracy.

The S&W 9mm had been stolen from the glove compartment of its legitimate owner. It is a dumb idea to leave guns in unattended motor vehicles, but at least this owner was intelligent enough to leave his "on safe."

The condition of the Smith auto saved Yuhr's life. The history of the semiautomatic pistol in the field shows us many, many cases of a criminal getting his hands on one, attempting to commit murder, and failing because he is unable to release the safety catch.

(One gunwriter observed that the Yuhr/Barroso incident was proof why double-action autos should always be carried "off safe", and commented that "One should never be caught with his dingus down." I believe that observer missed the point. The gun owner who left his "dingus" (safety/decock lever) down on his S&W 9mm saved the life of an honest, armed citizen.

To continue the analogy more intelligently, this writer tells his students to "Keep your dingus down until you need it up, at which time a man who knows what he is doing will invariably get his dingus up immediately and will keep it up as long as is necessary.")

Yuhr fired one handed, from the hip,

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



Patent No. 4,829,906
PIN GRABBERS™
GAME GRABBERS™
TURBO GRABBERS™

SUPERIOR COMPETITION, SELF DEFENSE,
HUNTING, LAW ENFORCEMENT AMMO
DELIVERS INSTANT MAXIMUM ENERGY



Dealers inquire in writing with signed copy of FFL



KASWER Custom, Inc. 13 Surrey Dr, Brookfield, CT 06804
(203) 775-0564 Fax: (203) 775-6872

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



THE HEINIE! INCOMPARABLE!



FOR MORE
INFORMATION
SEND \$1.00
FOR
BROCHURE

RICHARD HEINIE PISTOLSMITH
821 E. Adams, Havana, IL 62644
Member American Pistolsmiths Guild

BLACKHAWK SUPERBOW USA MADE \$199.95 EA
ARCHERY WORLD USA SALE! \$69.95 EA
 150 lb. Crossbow, laminated heat-cured suspension fiberglass bow, Fibertec glass stock, die-cast alloy nose, front/rear steel micro-adjust, silos, wind/rain, falsette trigger, safety, brass track, ckr 'd grips, MonteCarlo cheekpc, scope mt. **ADD \$9.90**
 Teststrip, recoil pad 110 yds 225 fps. **SCOPE EXTRA**
ALL ITEMS 30% OFF
 Fish attach/tepoon \$12.75
 Cock lever (opt) \$18.75
 Camo pad, sling \$8.75
 Camo X-Bow case \$25.75
 Camo Quiver \$9.75
 Bow string \$5
 VISA, MC, AmEx
 Send cash, check, M.O.
 1-day drive, call NO POSTAGE
800-226-2323 or INFO 801-975-0222
ED'S ARMY-NAVY-SURPLUS STORES, BOX 27222 - E. Salt Lake City, UT 84127



CUSTOM GRIPS, INC.
MANUFACTURERS OF
PISTOL GRIPS
IN GENUINE

- STAG •IVORY •WOODS
- IVORY POLYMER •WHITE PEARLITE
- PLASTIC •ETC

Ajax Grips are available for most makes and models of handguns.

Dealer Inquiries Invited.

AJAX CUSTOM GRIPS, INC.

11311 STEMMONS FREEWAY, SUITE 5
DALLAS, TEXAS 75229

(214) 241-6302

FOR ORDERS ONLY CALL OUR
TOLL FREE NUMBER
1-800-527-7537

SEND \$2.00 FOR CATALOG-
REFUNDABLE WITH PURCHASE

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

as fast as he could pull the trigger. The elapsed time between the first and the seventh shot was probably no more than a second and a half.

His .45 Silvertips clearly had effect; the autopsy shows that during the second and a half, the criminal's body moved so violently in reaction to the shots that some hit dead-on from the front as he faced Yuhr and some came in from the left of the body as agonal response turned Barroso's body suddenly to his right. And at least one struck on the right side of the gunman as his body jerked back to his left.

Depending whether or not one of the bullets went through the arm and into the chest, the gunman was hit six or seven times. The autopsy suggests seven, but Yuhr believes one shot went wild and struck the vehicle.

This would account for the very feeble penetration of GSW #4, which I suspect was mostly spent when it impacted the torso after perforating the suspect's arm.

Bullet Performance

Most of the recovered bullets were deformed, but not all were classically mushroomed. The .45 ACP Silvertip's performance in actual gunfights has been good but not great.

This writer prefers hotter loads, and in any case has been put off by seeing more than one such cartridge come out of the box with its bullet seated backwards in the case, or with the primer inverted.

Yet before one impugns the performance of .45 ACP in general or the Silvertip in particular after examining this case, consider the location of the wounds.

True, the gunman took six or seven hits, still pointed his gun and pulled the trigger, and for a short time after being shot attempted to rise from the street.

However, gunshot wounds #1, #4, #6, and #7 were *adynamic*—that is, they were mere flesh wounds that would not cause incapacitation or death in and of themselves.

Wound #5 might have been eventually threatening to life and sapping of strength, but only in the long term due to slow but persistent bleeding.

Only wounds #2 and #3, which destroyed the liver and punctured both lungs and seriously impaired the diaphragm and blew out the stomach and its contents, were actually severe and incapacitating gunshot wounds.

We do not know that the wounds occurred in the order of the numbering by the Medical Examiner's Office. Numbering of gunshot injuries is done almost arbitrarily, but in this case, may well reflect the sequence of the hits based on educated conjecture.

Still, it is entirely possible that the two really serious and incapacitating wounds were the last ones, or among the last, inflicted during the short-

Continued on page 104

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.

\$38⁹⁵



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.

\$38⁹⁵

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

Installation available for \$10



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 webs 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.

\$41⁹⁵

EXTENDED SLIDE RELEASE

Release slide without shifting grip speeds reloading when you "run dry." Specially designed for the Hi-Power. Simply replaces standard release.

\$49⁹⁵

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.

Extensive combat modifications are available! Please send \$3 (\$6 outside USA) for our complete catalog.

TO ORDER 1 (800) 448-1713

Send Money Order or Cashier's Check only. MasterCard/Visa orders welcomed, please supply complete card information including expiration date. Sorry, no C.O.D. orders. Phone orders accepted for credit cards only. All orders please add \$3.50 for UPS in the continental US, Alaska, Hawaii and Canada, please add \$6.00 per order. Please furnish street address for delivery.



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



**BO-MAR
COMBAT
SIGHT**
Serrated
blade
BMCS®

Patented Do Not Accept Substitutes
Rib & Sights for the competitive shooter. The 1984 & 1987
CAMP PERRY NATIONAL PISTOL CHAMPIONSHIPS 1st & 2nd
place won using BO-MAR's. Also '82, '83, '84 & '86 PPC
National Championships won with BO-MAR Sights.

BO-MAR WON

World's Finest Handgun Sights
at affordable prices

Sight Now Available For S&W 645 Serrated blade

Route 12, Box 405 Longview, TX 75605 214-759-4784

Send Stamped Self-addressed envelope for catalog

CASPIAN ARMS LTD. 1911-A1 COMPONENTS AND ACCESSORIES



FREE BROCHURE
14 N. MAIN ST. HARDWICK VT. 05843
(802)472-6454 FAX (802)472-6709

CHOOSE A WINNER

Over 250,000
Gunbelt Rigs
Sold!



Model
K-86

100% American made, hand crafted, fully lined, 24 buffed loops. Prompt shipment. Up to 6 1/2" bbl. length - \$89.95. 7 1/2" bbl. length - \$94.95. New! 10 1/2" bbl. length - \$99.95. 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 HG LAREDO, TX 78042
DIV. OF J. K. MFG., INC.

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

LEARN HOW TO OPEN YOUR OWN GUNSHOP

NO PREVIOUS EXPERIENCE NECESSARY

Gun repair, custom ammo-making, sporterizing, custom-stocking, sales counselor—all are rewarding career possibilities for the expert.

Send for free facts about gun repair and the results of a survey showing the success of our graduates in obtaining jobs or starting their own business.

Everything explained step by step so even a beginner can follow... plenty of photos, diagrams, drawings, charts. Tools included so you actually learn by doing—precision gauges, fine gunsmith's screwdrivers, honing stones, checking tools, ballistics calculators—plus catalogs, bargain bulletins, requirements for Federal Firearms License.

MAIL THIS COUPON TODAY!

SCHOOL OF FIREARMS, DEPT. NH030
925 OAK STREET, SCRANTON, PA 18515

Rush me information on how I can learn gun repair and how to open my own gun shop. No salesman will call.

Name _____ Age _____
Address _____ Apt. # _____
City/State _____ Zip _____



Learn At Home
In Spare Time



Make Money
With
Guns

SEND FOR
FREE FACTS!

Continued from page 102

duration burst of gunfire.

The lesson is, the .45 Automatic cartridge is not magic and does not guarantee an instant stop.

We learn also that even severe wounds of the solid abdominal viscera and the destruction of the breathing apparatus do not keep the person the wounds are inflicted on from aiming his weapon and pulling the trigger. Fortunately, we learn it here in a circumstance in which the pulling of the trigger did not result in the death of "the good guy."

Terminal Ballistics

The Combat Commander has a 4 1/4" barrel. The .45 ACP cartridge has a critical "velocity floor," and while .45 Silver-tip this writer has chronographed from a five-inch Government Model barrel hits about 935 fps, it is generally under 900 fps from a Commander and markedly less than that from the 3 1/2" barrel of the even more compact .45 autos.

Tests in slaughterhouses and examination of bullets recovered from the shootings of human beings tell us that the Silver-tip will generally mushroom well if fired from a five-inch barrel, may or may not mushroom from a 4 1/4", and probably won't expand at all when fired from a stubby Colt Officers or Detonics.

The same is true of most other .45 ACP hollowpoint rounds as factory loaded.

Hit location was a concern here. If Yuhr had brought his pistol up into line of vision, and used the sights (perhaps a two-hand hold, which with training is virtually as fast as hip shooting), all of the hits might have been centered and one could have reasonably expected the incapacitation of the gunman Barroso to have taken place much more quickly.

The gunwriters whose advice Mark Yuhr took had steered him in some poor directions. The Colt .45 system works perfectly with a full seven rounds in the magazine and an eighth in the firing chamber, and any two-inch .38 will be much more effective when loaded with 158 grain all-lead hollowpoint +P rounds, the so-called "FBI Load."

A bag in a car is not the ideal location for spare gun and/or ammo, since one can too easily be separated from it, as happened with Yuhr.

Mark has learned from his experience. Though he says he is satisfied with his pistol's performance and that nothing much except a high power rifle or a shotgun could have been more effective under the circumstances, he has hedged his bets since.

He now carries the spare magazine on his belt in a clip-on Bianchi pouch, and the round in the chamber is a 200 grain CCI Lawman hollowpoint rated for 1,000 fps velocity.

Silvertips remain in the magazines, but he plans to switch to the Lawman

Continued on page 106

SILHOUETTE ARMS CUSTOM 45 SHOP, INC.

COMPGUN

COMPENSATOR



STARTING AT
\$1,895.00

38 SUPER/45 ACP
\$185.00

1050 LOVELY WAY
N. FORT MYERS, FL 33903
(813) 656-2639

Federal Ordnance, Inc.



From one of
America's oldest
surplus houses—
FedOrd's
32 page
Gazette

1,000's OF SURPLUS WEAPONS, ACCESSORIES
AMMO, EDGED WEAPONS, ETC.

Send \$1.00 (currency or check) refunded
against first order to:
FEDERAL ORDNANCE, INC.
1443 Potrero Ave., DEPT. H 590
So. El Monte, CA 91733



THE ORIGINAL
• NOT A COPY •

Full Moon clips, \$9.99 for 8 pcd., in 45 & 9mm. Also 1/2 moon clip, FREE sample with SASE. Scope mts. for M-1, Mini-14, Mini-30, & 22's.
NEW Full Moon Brass Extractor NEW
Buy direct from the manufacturer.

RANCH PRODUCTS
P.O. BOX 145, MALINTA, OH 43535

STAINLESS STEEL

.45 COLT & or 2 1/2 inch .410
.45 AUTO, .44 MAG, .357 MAG
10mm AUTO, .38 SPL, 9mm
40 other Cartridges Available



For Free
Literature
Send Stamped
Envelope

AMERICAN DERRINGER CORP
P.O. BOX 8983 • DEPT AH-1 • WACO, TX 76714

PALADIN PRESS



SEALS

UDT/SEAL Operations in Vietnam by T.L. Bosiljevac

The Vietcong feared them above all American troops. U.S. Navy SEALs staged ambushes, gathered intelligence, raided VC strongholds, captured prisoners and supplies and created havoc in the enemy's rear areas. *SEALS: UDT/SEAL Operations in Vietnam* tells the dramatic story of these highly trained commandos in southeast Asia, from the early coastal reconnaissance missions to the withdrawal of the last SEAL team. Describing scores of combat missions, author and active-duty SEAL T.L. Bosiljevac recounts incredible acts of skill and valor by SEAL troops under fire. Sixteen pages of never-before-published photographs show SEALs in training, on patrol in VC territory and moving up canals in the Mekong Delta. This is the definitive book on this elite unit's role in the Vietnam War. 5 1/2 x 8 1/2, hardcover, photos, 272 pp. **\$24.95**



<p>THE HAYDUKE SILENCER BOOK Quick and Dirty Homemade Silencers by George Hayduke</p> <p>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</p>	<p>UNREPENTANT SINNER The Autobiography of Colonel Charles Askins</p> <p>More than 3 million readers have already enjoyed these tales from one of the legendary adventurers of the 20th century. Colonel Askins has served as a border patrolman on the Rio Grande, infantryman in WWII, paratrooper in Vietnam, competitive pistol shot and leading big-game hunter. 6 x 9, softcover, 320 pp. \$17.95</p>	<p>POWERHOUSE PISTOLS The Colt 1911 and Browning Hi-Power Sourcebook by Duncan Long</p> <p>The two greatest auto pistols ever invented and their inventor are the focus of Long's latest book: John Moses Browning's Colt 1911 and Browning Hi-Power. Includes design, specs, test results, and spin-offs. 8 1/2 x 11, softcover, photos, 152 pp. \$19.95</p>
<p>THE RUGER .22 AUTOMATIC PISTOL Standard/Mark I/Mark II Series by Duncan Long</p> <p>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 automatics ever made. 5 1/2 x 8 1/2, softcover, photos, illus., 168 pp. \$12.00</p>	<p>PAYBACK! Advanced Backstabbing and Mudslinging Techniques by George Hayduke</p> <p>The "Dirty Harry of Literati," aka George Hayduke, strikes again with another deadly shot of revenge. Get back at life's bullies, bad guys and bureaucracies with these tear-jerking tidbits of do-it-yourself terrorism. For entertainment purposes only. 5 1/2 x 8 1/2, hardcover, 196 pp. \$17.95</p>	<p>NEW I.D. IN AMERICA BY ANONYMOUS</p> <p>NEW I.D. IN AMERICA Want one more chance at life—with a "clean slate?" Trade in your old identity for a new start. Here is a step-by-step guide to creating a totally new you—with a birth certificate, passport, driver's license, Social Security number—all you need for breaking with your past. 5 1/2 x 8 1/2, softcover, illus., 120 pp. \$15.00</p>
<p>BE YOUR OWN EQUALIZER How to Fight the System and Win by Victor Santoro</p> <p>All men are not created equal in America. Be Your Own Equalizer is for take-charge people who want to create their own opportunities. Read this book and learn how to work the angles so you will get the job and salary you want, command the respect you deserve and hold on to what's rightfully yours. 5 1/2 x 8 1/2, softcover, 104 pp. \$10.00</p>	<p>BREAK CONTACT, CONTINUE MISSION by Raymond D. Harris</p> <p>A widely praised account of the shadow war fought by MACV-SOG in Laos, Cambodia and North Vietnam. SOG vet Ray Harris tells the story of Ted Garner, a recon sergeant running missions out of the CCC compound, who discovers the truth behind the SOG motto: "You have never lived until you've almost died." 5 1/2 x 8 1/2, hardcover, 368 pp. \$22.95</p>	<p>TO RIDE, SHOOT STRAIGHT AND SPEAK THE TRUTH by Jeff Cooper</p> <p>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 also 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</p>
<p>GET EVEN! The Complete Book of Dirty Tricks by Tom Sawyer</p> <p>A hilarious overview of the methods people use to get even with big business, government and enemies. More sophisticated and involved tricks are included, such as ones devised by CIA and Mafia members and political dirty tricksters. Over 80 sections present dirty tricks ranging from the simple to the elaborate. For entertainment only! 5 1/2 x 8 1/2, hardcover, 192 pp. \$17.95</p>	<p>THE RUGER 1022 EXOTIC WEAPONS SYSTEM</p> <p>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, illus., 96 pp. \$16.00</p>	<p>MACHINE GUNS A Pictorial, Tactical, and Practical History by Jim Thompson</p> <p>Everything you ever wanted to know about machine guns, from the classic models of World Wars I and II to contemporary standards. Hundreds of photos, spec charts and historical anecdotes highlight the text, as well as info on how to own one and much more. 8 1/2 x 11, hardcover, 269 photos, illus., 248 pp. \$39.95</p>

Other Fascinating Titles

- | | | |
|---------------------------------|--|--------------------------------|
| IMPROVED EXPLOSIVES.....\$10.00 | STURM, RUGER 10/22 RIFLE & SMART BOMBS.....\$12.00 | .44 MAGNUM CARBINE.....\$10.00 |
| AK-47: THE COMPLETE | IMPROVED RADIO JAMMING | KALASHNIKOV FAMILY OF |
| ASSAULT RIFLES.....\$14.00 | TECHNIQUES.....\$19.95 | MODERN SNIPER RIFLES..\$16.95 |
| AR-15/ M16 SUPER | SURVIVAL! A MANUAL | SYSTEMS.....\$19.95 |
| HOME WORKSHOP | THAT COULD SAVE | SILENCERS, VOL. 1.....\$12.00 |
| INTO THE PRIMITIVE.....\$15.00 | YOUR LIFE.....\$14.00 | THE TERRIFYING THREE: |
| TRICKS OF THE BURGLAR | WEAPONS FAMILIES.....\$20.00 | ALARM TRADE.....\$15.00 |
| | THE MINI-14.....\$10.00 | |

MONEY-BACK GUARANTEE - DEALER INQUIRIES INVITED
Paladin Press • P.O. Box 1307 • Boulder, CO 80306 • (303) 443-7250



PALADIN PRESS
P.O. BOX 1307-0EA
BOULDER, CO 80306
PHONE (303) 443-7250



Call TOLL FREE for credit card orders:
1-800-642-8300, ext. 24. Call 24 hours a day, 7 days a week. Call from any state but Alaska. Send \$1.00 for 50-page CATALOG of 300 titles (FREE with order.)

Please send me the following titles:

Payment: Check or Money Order, Visa, Mastercard

Card No. _____ Exp. _____ SUBTOTAL _____

NAME _____ Please include \$3.50 postage and handling _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____ TOTAL _____

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.)

PAGER HOLSTER



PRESS BUTTON, CASE FLIPS OPEN.

FITS: DAVIS DERRINGERS
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

The purchaser is responsible for complying with all applicable local, state, and federal laws.

SPLIT SECOND SECURITY, INC.

P.O. BOX 16142-H, HOUSTON, TX. 77222

Classic+ Grips



Handfilling elegance for
AMT/IAI,
S&W, Colt, Rugers
Beretta 92F, from \$34.95

- Rare Woods
- Hand Engraved Inlays & Screws
- 100% American Made.

Color Brochure \$1
(refundable)

WAYLAND PRECISION WOOD PRODUCTS
Box 1142 H Mill Valley, CA 94942

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
Dealer Inquiries Invited

Continued from page 104

entirely as soon as he has a job and can afford to have his Colt throated to feed it.

Known colloquially as the "flying ash-tray," the Lawman round feeds well in the S&W but not the Colt without custom work, yet is generally accepted to have the best track record for stopping power in its caliber based on actual gunfights.

An alternative is the CorBon +P, a .45 ACP cartridge with a 185 grain serrated Sierra hollowpoint moving out of a five-inch barrel at well over 1100 fps and over 1050 from a Commander. The cartridge is designed to feed in a stock, MilSpec Colt automatic.

Police Response

The writer wishes to compliment Sgt. Gerald Green and all the Miami police officers who dealt with Mark Yuhr for their compassion in their handling of the matter.

Though I might draw my gun sooner than some of the Miami cops who arrived at some of the shooting scenes I've followed

*Orlando Barroso,
whose tattoos included
an ominous winged
devil, now probably
dwells in a place where
he sees all the winged
devils he can handle.*

up on, I find that they deal with so many predators and so many victims that they generally have a finely tuned sense of who is the good guy and who is the bad guy.

It reflects obscenely on our society in general and Miami's in particular that Mark Yuhr, as a result of defending himself, is presently unemployed.

This writer has furnished Yuhr with a quantity of Federal .38 Special FBI loads and of CorBon +P .45 ACP, and an ankle holster by Ted Blocker for his Taurus Model 85. An ankle holster is the readiest access for an automobile driver, especially in an area like Miami with a mandatory seat belt law.

Yuhr has also received a free 40-hour course at Lethal Force Institute.

Write to Massad Ayoob at P.O. Box 122, Concord, NH 03301 if you are a Miami employer with a job opening for a hardworking man who lost his employment because he was an armed citizen who defended himself.

Orlando Barroso, whose tattoos included an ominous winged devil, now probably dwells in a place where he sees all the winged devils he can handle, and that is justice.

It is not justice when Mark Yuhr, who fired only to protect his life from a vicious career criminal, is unable to earn a living as a result.



JIM HOAG
CUSTOM PISTOLSMITH
8523 CANOGA AVE. UNIT C
CANOGA PARK, CA 91304
(818) 998-1510

TYLER'S "T" GRIP

BETTER SHOOTING with this improved cast Aluminum Grip ADAPTOR. For Colt, S & W and Ruger D.A. Revolvers. DURABLE, PRACTICAL-EASY TO INSTALL. THREE ATTRACTIVE FINISH COLORS. POLISHED or BLACK \$7.00; GOLD \$7.50



TYLER'S TRIGGER SHOE

Durable light weight cast aluminum for Colts, S & W Ruger and other modern pistols, rifles and shotguns. POLISHED or BLACK \$5.50; GOLD FINISH \$6.00

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

Custom-made sunglasses and prescription glasses. . .

Over 7,000 lens/frame combinations of prescription & non-prescription glasses for less than you'd expect to pay for name-brands!

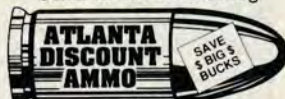


Special lenses for shooters. Prescription glasses start as low as \$44.80 (no bifocals). We also have most name-brand sunglasses such as Ray-Ban®, Vuarnet®, Hobbie®, Military Issue and Serengeti® at big discounts. Huge inventory, replacement parts, fast delivery & a money-back guarantee. We've been selling glasses by mail for over 23 years! Call our toll-free number weekdays for a big FREE Discount Catalog with a Guide to Selecting Sunglasses, or write to:

HIDALGO, Inc.
Dept. AH, 45 La Buena Vista
Wimberley, TX 78676

1-800-950-8086

Send for FREE Catalog



P.O. Box 258, Dept. O, Clarkesville, GA 30523
(404) 754-9000

SECURITY PRODUCTS LARGEST SELECTION! BEST PRICE!



BROWNING PreSteel
FORT KNOX™
Treadlok™
SECURITY PRODUCTS

TEX SAFE And other Leading Brands.

Call us before you buy!

1-800-222-SAFE

A. G. ENGLISH, INC. (1-800-222-7233)

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

HANDGUN MARKET CLASSIFIED

Classified ads \$.75 per word per insertion. (\$.60 per word-per insertion for 3 or more) including name and address (**20 word minimum**). Minimum charge \$15.00. Copy and rerun orders must be accompanied by PAYMENT IN ADVANCE. NO AGENCY DISCOUNTS. All ads must be received with advance payment no later than the 25th of each month. EXAMPLE: Closing for May/ Jun 1990 issue (on sale Apr. 5) is **JAN. 25th**. Ads received after closing will appear in the following issue. Please type or print clearly. Include name, address, post office, zip code, city and state as counted words. Abbreviations count as one word each. **PLEASE NOTE*** NO PROOFS WILL BE FURNISHED.** Mail to AMERICAN HANDGUNNER MAGAZINE, 591 Camino de la Reina, Suite 200, San Diego, California 92108. **WATCH FOR OUR NEW RATE CARD. WE WILL ALSO BE PROVIDING DISPLAY CLASSIFIED ADS.**

COPY DEADLINES

GUNS AMERICAN MAGAZINE 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.

CLIP-LOADERS for .22 Ruger MK1 and MK2 Huntsman, Woodsmann, 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.

ONCE-FIRED BRASS-pistol & rifle. New also. Licensed exporter. Send SASE for price list. Cheyenne Brass, PO Box 5254, Cheyenne, WY 82009 (307-634-8072).

"MUGGED?" Obtain concealed weapons in your state while you still can! Send SASE: Weapons, 8270 SW Sorrento, Beaverton, OR 97005.

NEW! PRO-TARGET HAS ARRIVED. PORTABLE, LIGHT-WEIGHT PRECISION TARGET. STANDS WITH FOAM-CORE BACKBOARDS. PRO-I 4' TALL \$69.95, PRO-II 6.5' TALL \$89.95. MC/VISA, FACTORY DIRECT +\$5.95 S/H, FREE INFO. PRO-TARGET, P.O. BOX 455AH, MONTCLAIR, CA 91763.

TWO-LOCK GUN SAFE. HEAVY DUTY 12 gauge STEEL with corrugated foam interior. 12"x9"x2", 11 pounds. BOLTS TO BEDFRAME FOR EASY ACCESS. Double locked security. MONEYBACK GUARANTEE. SEND \$49.00: NIGHT HOLSTER INC., P.O. BOX 21278, Indianapolis, IN 46221.

OWN THE FINEST WOODEN GUN CASE! Custom made to your exact specifications. Send for free information or tell us what you need for special quotation. HUFU Crafts, Inc., P.O. Box 597048H, Chicago, IL 60659-7048.

Moving target systems. Reciprocating, horizontal, 15' travel. Sets - up anywhere in minutes. Free details, send stamped envelope to: Eucro Welding, 1315 Middlebury St., Elkhart, IN 46516.

DEALER PRICES TO THE PUBLIC Scopes & Binoculars, Rings & Mounts, Cleaning Supplies, Holsters & Grips, Gun Cases, Ammunition. Also many other name brand products at DEALER PRICES. \$3.00 for complete catalog: **DISCOUNT SUPPLY & EQUIPMENT, P.O. Box 2005, HUNTINGTON, CT 06484.**

Build your own gun safe. Complete step by step plans 64x32x16-1/2. Approx. Wt. 500#. Four locking lugs. High security Dead Bolt. Send \$9.95: Gunrunner Steel Safes, RR 5 box 40, Grove, Okla. 74344.

AMMUNITION

.38 SPECIAL RELOADED AMMUNITION-Remanufactured using fully automated equipment. 158 gr. SWC \$87.00M-148 gr. WC \$85.00M. reloading since 1974. MPS Co., 1441 W. John St., Matthews, NC 28105. (704)847-8793.

ATTENTION SHOOTERS X-RING PRECISION CASTING COMPANY has extremely hard cast bullets in 9mm, 38/357, .44 and .45; We also stock professionally remanufactured ammunition in 9mm, .38 special, .357 magnum, .44 magnum, .45 apc and .223 Remington with lead or jacketed bullets. For more information call or write: P.O. Box 1357, Sedona, Arizona 86336 (602)282-1499.

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. SOF, Huntington Beach, CA 92647.

SPECIAL PURPOSE AMMO AND MUNITIONS. Reload your own: Tracers, A.P., H.E. ammo, 12 Ga. Flares, Thermite/Smoke Grenades and many others. SASE for Free list. T. Tyler, Box 2700H, Dept. SOF, Huntington Beach, CA 92647.

Ace Ammo, Quality reloads, 38 spec. \$4.50, box/50, 45 ACP \$7 box/50. We can load your brass. 1-800-833-2400, California 1-916-221-1952.

SPECIAL PURPOSE AMMUNITION: BEEHIVE, MULTI-PLEX, tracers, bird bombs. Send \$1.00 for catalog to: **HORIZONS UNLIMITED**, 9208 Kingstom Pike #195, Dept. AH, Knoxville, TN 37922.

BOOKS

STATE PISTOL LAWS, latest pistol carrying, purchasing, etc., regulations for all states and FEDERAL GUN LAWS. Both booklets \$6.00. **POLICE EQUIPMENT CATALOG** \$6.00. Schlesinger, Department E., P.O. Box 882, New York, NY 10150.

OUT-OF-PRINT Books Found. Send Wants. LARGE CATALOGUE \$1.00; Booklook, 51AC Maple Ave., Warwick, N.Y. 10990.

SHOOT A HANDGUN reveals the expert's way to use your handguns 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 Residents add 7% sales tax) **GUN BOOKS**, Dept. SH-H05, 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 \$33.45 postpaid (CA Residents add 7% sales tax) to: **GUNS BOOKS**, Dept. SG-H05, 591 Camino de la Reina, Suite 200, San Diego, CA 92108.

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-H05, 591 Camino de la Reina, Suite 200, San Diego, CA 92108.

B-"FIREARM LAWS" DON'T END UP BEAKING 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.

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.

"THE ANARCHIST COOKBOOK" IS AVAILABLE AGAIN! \$22, postpaid. Barricade Books, Box 1401-J, Secaucus, NJ 07096.

POKER BOOKS: FREE-"TEN WINNING TIPS" by poker professional Andy Nelson. Become a BIG winner! Send SASE to **IMPACT**, Box 12356, Boulder, CO 80303.

THE TERRIFYING THREE: Uzi, Ingram, and Intratec Weapons Families- get the straight story from Duncan Long. 8-1/2x11, softcover, 136pp, \$23.50ppd. Order from: **Paladin Press**, P.O. Box 1307-0AAK, Boulder, Colorado 80306. (303)443-7250.

PIPES, TOBACCO, CIGARS, ACCESSORIES. Over 50,000 pipes in stock. **FREE 32 page color catalog.** Call Carey's Smokeshop Toll Free 1-800-999BRIAR.

BUSINESS OPPORTUNITIES

LEARN GOLD, SILVER, PLATINUM, SCRAP RECYCLING BUSINESS. \$75,000 YEAR POSSIBLE. SPARE TIME. EASY! FREE INFORMATION: RECYCLING, BOX 11216-GH, RENO, NV 89510-1216.

EXPERIENCED SALES REPS WANTED FOR EXPANDING HOLSTER COMPANY. TOP COMMISSIONS FOR AMBITIOUS INDIVIDUAL. REPLY TO: FURY HOLSTERS REPS, 1915-18TH STREET, NIAGARA FALLS, NY 14305.

JOURNEYMAN CREDENTIALS granted legitimate! Write: National Craftsman Union, 210 Fifth Avenue, Suite 1102, New York, NY 10010.

"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.

INVESTIGATION - SECURITY MONEYMaking OPPORTUNITIES: Beginners and professionals needed. Newsletter/Directory \$2.00. "National License Guidebook" \$14.95. POB 6303(AH), Corpus Christi, Texas 78466.

Power Earnings! \$400.00 daily wholesaling automobiles without investment! All new, NO GIMMICKS! Details \$2.00: **SMITH**, Box 2085, Titusville, FL 32781.

A NEW IDEA! Call National Idea Center of Washington D.C. free info - 1-800-247-6600, Ext 124. Come see the Invention Store!!

GUN DEALER LICENSING - (805)687-1416. Visa M/C. No "Rip-Off". Call Us. We Answer All Your Questions. Best FFL Kits, \$5.00. Dealer Record Books & Supplies. **RK ENTERPRISES**, (Established 1981), 2616 Las Positas, Santa Barbara, CA 93105.

\$20,000.00 Yearly as a part time gun dealer. No gimmicks. My method works! Send SASE: **FIREARMS**, 8270 SW Sorrento, Beaverton, OR 97005.

Successful and expanding British Shooting magazine seeks development capital for major launch in USA. Equity available. Call 011 44 494 432151, (Fax 011 44 494 727454).

ATTENTION-HIRING! Government jobs - your area. Many immediate openings without waiting list or test \$17,840 - \$69,485. CALL 1-602-838-8885 Ext. R9748.

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.

A have what you need! You can really do it! Get anything you want out of life. Send \$3.00 for complete information. **Shadco**, Box 148-AH, Oak City, Utah 84649.

DO YOU KNOW WEAPONS OR TACTICS? EARN \$150,000 FAST! RUSH \$4.00 FOR NEW REPORT! **SMITH**, BOX 964, TITUSVILLE, FL 32781.

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.

Easy work! Excellent Pay! Assemble Products at home. Call for info. 504-641-8003 Ext. 2720. Open 7 days.

BE A LICENSED FIREARMS DEALER. Complete Application Kit \$1.00. Free "Dealer-Distributor" Magazine. Interstate Enterprises, Drawer 19689-AH, Houston, TX 77224.

\$339.00 WEEKLY POSSIBLE assembling our products for home. Learn How. Amazing recorded message reveals details, call anytime (914)289-1136 Ext. CM1.

GET PAID for mailing letters! \$200.00 daily. Write: **PAASE-TX1**, 161 Lincolnway, North Aurora, IL 60542.

COLLECTORS

RANDALL PISTOL RESEARCH, Trends, and Letters of Authenticity. Send for more information. Rick Kennerknecht, Box 1163R, Monrovia, CA 91016-5163.

EMBLEMS & INSIGNIA

CUSTOM EMBROIDERED EMBLEMS-DECALS-PINS. Free catalog/Quotes. Highest Quality. Guaranteed Lowest Prices. Rush Sketch. STADRIAH, 61 Jane Street. N.Y.C. 10014. (212)929-2293.

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 and patches. Now, you can also get your own GUNS Team member pin for only \$2.50 + \$1.00 shipping & handling...Or, a GUNS Team member patch for only \$3.50 + \$1.00 shipping & Handling. Send To: GUNS PINS, 591 Camino de la Reina, Suite 200, San Diego, CA 92108.

FIREWORKS

Salutes and Cannon crackers home made. The Best! Simple easy method, my secrets revealed. Stamp: Browns Diversified, POB 6, Paragon, Indiana 46166.

CHERRYBOMBS, M-70s, M-90s, M-100s, BUSSBOMBS, CANNON & TIME FUSE, PULL L& ELECTRIC IGNITERS, L STARS 1/4" TO 1", FIREWORK CHEMICALS, ETC. CATALOGUE \$5. REFUNDABLE 1ST ORDER. CAPITOL FIREWORKS, 1805 WEST MONROE, SPRINGFIELD, IL 62704.

FIREWORKS: Firecrackers, Bottle Rockets, Roman Candles, Sky Rockets, and much more. For Wholesale price list send \$1.00. Klassic Fireworks, P.O. Box 142, Middlefield, Conn. 06455-0142.

FIREWORKS. WE SHIP TO YOUR DOOR. LOW PRICES. BOTTLE ROCKETS AS LOW AS \$99 A GROSS. CATALOGS AND INFO CALL NOW 1-900-USA-1776.

SILVER-TUBE SALUTES, M-80's, CHERRY BOMBS, EXPLOSIVE "B" and other fireworks T-Shirts, printed in full color and on AMERICAN made garments are available from: THUNDER & LIGHTNING, DEPT. R, P.O. Box 257, Deer Park, N.Y. 11729. Write for FREE catalog.

FOR SALE

WATCH REPLICAS! WATCH REPLICAS! LOWEST PRICES GUARANTEED NATIONWIDE! WARRANTY! EXACT WEIGHT & COLOR! 18KT GOLDPLATED! CALL! WATCH REPLICAS! (404) 963-3USA WATCH REPLICAS!

"B" GUN LAWS" ALL 50 STATE AND LOCAL FIREARM LAWS!!!! "GUARANTEED" \$14.95. "DENCO ENTERPRISES", BOX 40383, DEPT-14, ROCHESTER, NY 14604.

IS IT TRUE YOU CAN BUY JEEPS FOR \$44 THROUGH THE U.S. GOVERNMENT? GET THE FACTS TODAY! CALL 1-708-742-1142 EXT. 6279.

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.

GUN PARTS

RANDALL & ODI VIKING 45ACP PARTS. DA RECEIVERS. AT DISCOUNTED PRICES. Lefthand Parts Available. RANDCO, Box 1163A, Monrovia, CA 91016-5163.

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.

NEW POLICE REVOLVER. FIRST MAJOR COMBAT ADVANTAGE SINCE 1905. FREE INFORMATION FOR HANDGUN EXECUTIVES, ENGINEERS, DESIGNERS, GUNSMITHS, ENTREPRENEURS, ETC. SEND LARGE SASE TODAY! JOHNSON AND ASSOCIATES, PO BOX 147, METHUEN, MASS 01844.

GUNSMITHING

PISTOLSMITH Triple chamber HIGH-COMP installed on your gun \$225 complete. All work highest quality. Stainless steel grips for Colt auto \$40. Catalog \$1. Randall Thompson, 654 Lela Pl., Grand Jct., CO 81504.

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.

REFINISHING HANDGUNS - Satin hard chrome or nickel, \$60 w/FPL, includes assembly. Black parkerize, master blue, 24K gold, black anodize. Reasonable rates, excellent quality. Two week service. CHECKMATE GUNS, 8232 Shaw Rd., Brooksville, FL 34602, 904-799-5774.

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.

Hand-to-Hand Combat - Hard hitting thirteen page manual of vital points combat plus beautiful two color lithograph certificate from American Fighting Arts Academy with your name. Send \$20.00 Cash or M.O. + \$2.00 S.H. to: Mr. Vito, 446 Hackensack Street, Carlstadt, NJ 07072.

BE A PARALEGAL! Accredited Attorney Instruction. Home Study. Founded 1976. 1000's Grads. Financial Aid Available. Free Catalog 1-800-669-2555. Southern career institute, 164 W. Royal Palm Road, Boca Raton, FL 33432.

Colt SAA Video. Disassemble to last screw then reassemble. VHS \$24.95 plus \$2 PH. TJE Video Productions, Box 50141, Reno, Nevada 89513.

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.

SWISS TYPE ARMY KNIFE. Precision quality, all stainless knife. 12 tools in one. Ideal for Fisherman, Hunter, Handyman. Send \$8.95 Ppd. NATIONAL CONSUMERS SALES, Cedar Hill Road, Box 1199, Hopewell, N.Y. 12533.

LEATHERCRAFT

MILITARIA

1940 German 3rd Reich. (WW2) Collection liquidation lists. Send \$2 (Cash!) to: "RZM", PF/POB 1244, WASSENBERG, W. GERMANY.

MILITARY SURPLUS

ATTENTION- GOVERNMENT SEIZED VEHICLES from \$100. Fords, Mercedes, Corvettes, Chevys. Surplus Buyers Guide. 1-602-838-8885 EXT. A9748.

MISCELLANEOUS

STUN GUNS - TEAR GAS For self defense only. Protect your family. Free information. Spectrum, Box 727-AE, Grayslake, IL 60030.

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 \$175.00. Side panels: \$35.00 per set. Sized S, M, L, XL. MPS Co., 1441 West John St., Matthews, NC 28105. (704)847-8793. Established 1970.

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.

WATCH REPLICAS! WATCH REPLICAS! LOWEST PRICES GUARANTEED NATIONWIDE! WARRANTY! EXACT WEIGHT & COLOR! 18KT GOLDPLATED! CALL! WATCH REPLICAS! (404) 963-3USA WATCH REPLICAS!

SHORT-RUN CUSTOM BELT BUCKLES WITH YOUR LOGO MY SPECIALTY SOLID SANDCAST SILICON BRONZE ALL HAND FINISHED. BUCKLES BY MIKE, 1225 MANZANITA, DEPT. AH, LOS ANGELES, CA 90029.

FREE PRIVACY CATALOG. Cash income opportunities. Secret hiding places. Revenge techniques. New identity. EDEN PRESS, Box 8410-HG, Fountain Valley, CA 92728.

Cable TV converters and descramblers. Jerrold, 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.

POWERFUL EXPLOSIVES from common fertilizer. For instructions send \$1.00 and stamped envelope to: Chem-Ex Development, Box 0945H, Gadsden, AL 35902.

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 Nelon, Silver Bay, MN 55614.

CRIMEFIGHTERS send \$2 for illustrated catalog. B-PEC, Dept H989, Box 7638, Moreno, CA 92303.

POLICE EQUIPMENT

POLICE TRAINING BOOKS. 40+ titles, Catalog \$5.50: RONIN, Box 40 (A), Billerica, MA 01821.

LAW ENFORCEMENT badge and patch collectors send \$1 for list or \$8.00 for 12 monthly lists. Baird, Dept H889, Box 7638, Moreno, CA 92303.

REAL ESTATE

ATTENTION- GOVERNMENT HOMES from \$1 (U-repair). Delinquent tax property. Repossessions. 1-602-838-8885 EXT. GH9748.

SURVIVAL

WANTED TO PURCHASE

Inventions, Ideas, technology wanted by one of America's leading invention submission firms to be presented to industry. Call free 1-800-288-IDEA.



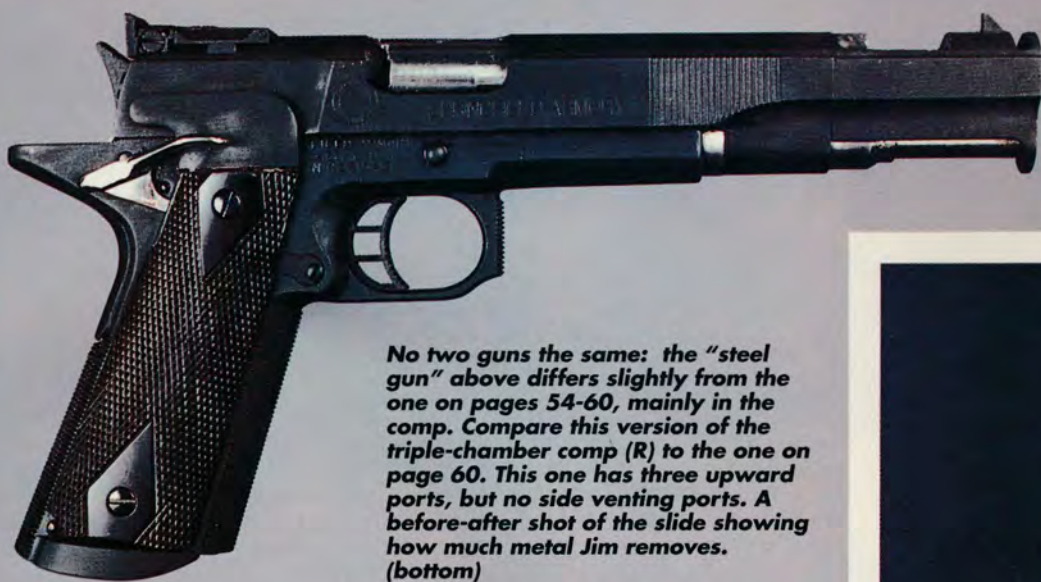
NOW AVAILABLE
JEFF COOPER'S TO RIDE,
SHOOT STRAIGHT,
AND SPEAK THE TRUTH
ONLY \$26.00

COOPER WRITES ABOUT:

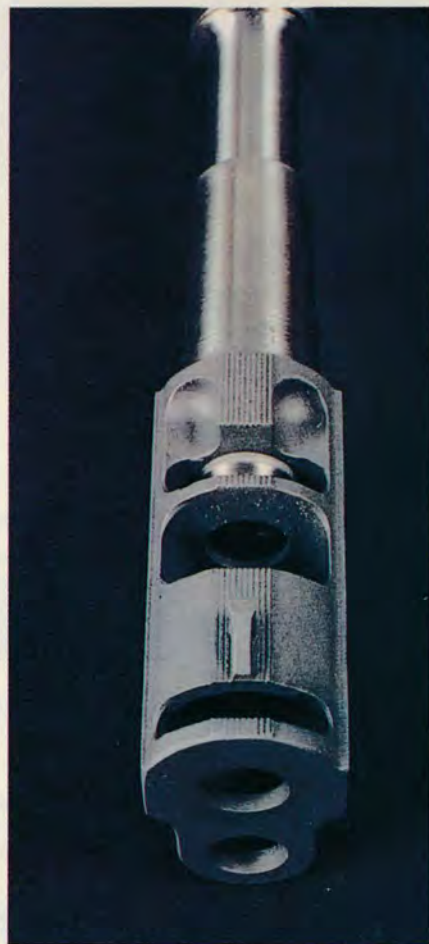
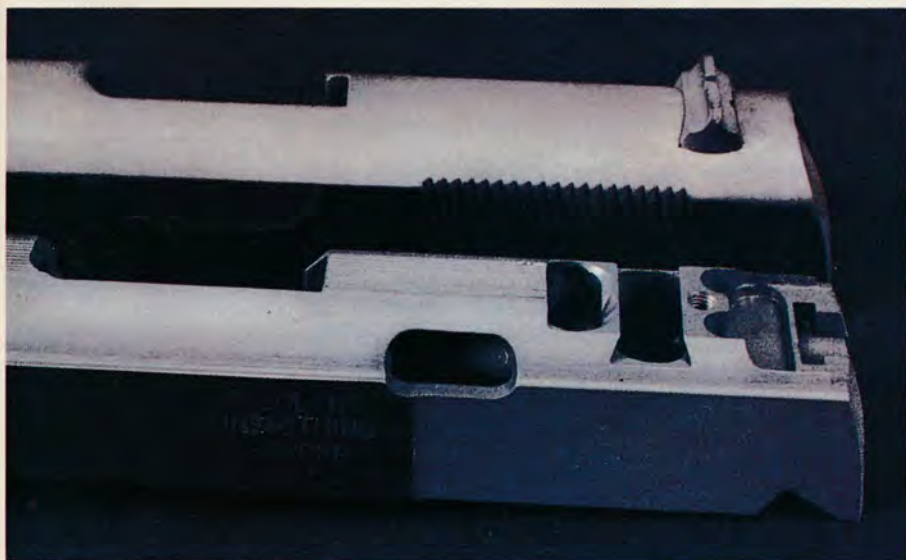
- The Combat Mind-Set
- Bodyguarding
- Military Pistols
- The Social Shotgun
- The Machine Pistol Con
- Rifle Handling Under Hazard

YES! Send me _____ copies at \$26.00 plus \$2.50 shipping & Handling per book. CA residents add 7.25% sales tax. Check/MO Enclosed
VISA/MC No. _____ Exp. Date _____ Initial _____
Name _____
Address _____
City, _____ State, _____ Zip _____

SEND TO: GUN BOOKS, 591 Camino de la Reina, San Diego, CA 92108



No two guns the same: the "steel gun" above differs slightly from the one on pages 54-60, mainly in the comp. Compare this version of the triple-chamber comp (R) to the one on page 60. This one has three upward ports, but no side venting ports. A before-after shot of the slide showing how much metal Jim removes. (bottom)



BOLAND GUNS

Continued from page 61

you know Ol' Slab Sides, you'll appreciate that this slight alteration entails relocating the sear and hammer holes, restructuring the entire thumb safety apparatus and completely rearranging the trigger mechanism.)

Jim also cut off the slide rails from the FK Gun's frame and re-cut them inside-out, like on a CZ-75. Re-cut the slide's rails to match, he did. Unbelievable.

Look at the beavertail in the accompanying pictures, again. *That's* Jim Boland's welding.

So the mad doctor is *good*, very good. He's also a strange duck. He's been known to refuse a would-be customer's deposit because the customer tried to tell him what he wanted on his gun.

"Most people who want to tell me how to build a gun are amateur gun designers. A guy goes out and shoots a good score in a match and now he thinks he's qualified to design a gun.

"So what I tell these guys is, look, if you want a gun designed by an amateur, have an amateur build it. I know that sounds kinda rough, but sometimes you have to shock em a make em see sense," said Jim about his peculiar Customer Is Usually Wrong approach to business.

Of course he's right, you know. He builds guns for a living, every day, and has been for years. Some of the new generation of shooters were literally messing their diapers when Jim was customizing Government Models. He *does* know more about guns than the average competitor.

That's Jim Boland. Nicest guy you'll ever meet, sometimes. One day he'll talk

your ear off about gun design and compensators and radical new ideas for improvements, the next day he'll bark at you to damn well stop bothering him while he's working.

Look, if you want one these absolutely incredible 27 ounce Steel Guns, go for it. Call Jim Boland and order one. You probably won't get an answer when you call, but go ahead and try. Or write a letter. He gets around to answering his mail eventually.

Delivery time runs anywhere from two years to two weeks to the crack of dawn next Saturday. Prices are very reasonable, compared to "market." *What* you'll get might not be exactly what you see here because, like I said, Jim Boland has probably never built two guns exactly alike before.

You can reach the mad doctor at 975 Fairway, Walnut, CA 91789 or try calling (714) 598-9854.



COLT SALE FALTERS AT LAST SECOND; GLOCK COMING IN .45 AND 10mm

The newest Army test that gave **Beretta** the contract for the M-9 pistol (again) must have left a sore spot in Southport. Connecticut gunmaker **Sturm, Ruger & Co.** stamped their feet and waved their arms in a special section of their new 1990 Ruger Firearms catalog called "Army Tests."

I quote the new Ruger catalog: "...The fact remains, however, that the Beretta pistol has a well-documented tendency to have slide fractures—a 'catastrophic failure' in which the slide breaks in two, according to government reports. Beretta advertising claims that their government contract means they are the superior 9mm, but we know this is simply not the truth. Other government reports conclusively refute their claim."

So there lies the gauntlet, will Beretta pick it up?

Rafael Aguirre, a senior executive with **Beretta USA**, was mildly amused with the whole thing. He smiled in that pleasantly condescending way that a tolerant parent looks on a naughty child.

"We have no comment on Ruger's allegations. The army's report clearly showed that only one gun passed all the mandatory requirements and that gun was the Beretta," Aguirre said.

And now we have the all-plastic pistol, **Ram-Line's** Syn-Tech .22 rimfire. A gooey glob of molten plastic that's poured into a mold in the shape of a gun. Rather lacks the aesthetic appeal of a mint **Colt Python's** rich bluing, hand-honed action and finely figured walnut stocks, but this is the Nineties. Progress marches on.

The year 2000 is closer in the future than Jimmy Carter's presidency is in the past. Scary thought, huh? (Not the future, dingbat, Jimmy Carter's presidency!)

We've got graphite rifle stocks, polymer Glocks and now a gun made out of the same stuff as a Hefty bag. I happen to like synthetic rifle stocks and I like the **Glock** pistol (in .45, please, not 9mm) but I'm still a bit leery of an Space Age all-plastic .22 that looks like a World War II Nambu.

I'd like to shoot one and see if the Syn-Tech is capable of such excellent performance that it outweighs its lack of traditional charm.

Hey, some people like *pink guns*. What was it Bob Dylan said? The times they are a'changin'.

The hot news from the gun industry's annual trade show (S.H.O.T. Show) is old hat for readers of *Industry Insider*. Last issue I told you about the new **.40 Smith & Wesson** cartridge, which was announced to everyone else at the show.

The .40 S&W is a shortened 10mm Auto case with a small primer instead of large. There's a bit more to it than that, but only an MIT engineer would care. **Winchester** is exclusively loading the ammo in two flavors: a 180 gr. hollow-point at 990 fps and a 155 gr. roundnose at 1150 fps.

You also got the first word on the new **Smith & Wesson** custom shop, which all the late comers only found out about at the show. It's called the **S&W Performance Center**.

Don't hold your breath on **Colt's** new .44 Magnum revolver called the **Anaconda**, there's still no firm settlement on **Colt's** future. Just when the sale to the new **Colt Holding Company** was set to go through, one major player balked.

It seems the state of Connecticut was going to provide some funding, but when it came time to pay the piper, the state got cold feet. At this writing, the fine folks who unilaterally banned the sale of the **AR-15** to civilians still own **Colt Firearms**.

One juicy item to emerge at the show was a new **Glock** in, ta-da!, .45 ACP. The 10mm **Glock** is coming (check's in the mail) and the .45 **Glock** should be available by summer time.

Heckler & Koch announces a new, um, "sporting pistol." What for all the world looks like a semi-auto version of the famous **MP-5** tactical sub-machine gun is touted as the **SP89**.

Actually it's a black 9mm semi-auto four-pound "target pistol" with a 15 round magazine. It has one of those fancy "wood glove" type grips, like a **Hammerli**.

It passes muster with the bureaucrats of the **BATF**, however, and is legal to import. It also tweaks the nose of **Drug Czar Bennett** and **Turncoat Bush** who danced to the "Guns Are Bad" tune of the liberals and banned all "assault rifle" imports.

The German gun maker also has a

"sporting" version of their **HK 91** and **93** rifles, which is nothing more than your garden variety assault rifle with a thumb-hole stock, no flash suppressor and a five-round magazine. Again, this cosmetic covering pleases the petty bureaucrats to no end. The gun is legal to import under the assault rifle ban.

If there's any light at the end of the anti-gun tunnel it's that the pencil-pushers who implement the various and sundry anti-gun laws are amazingly stupid.

Not to be outflanked by **HK**, the maker of the **SAR-48** and **SAR-3** is ready with their "sporting" conversions. **Springfield Armory's** assault rifles have, yep, wooden stocks with thumb-hole grips, no flash suppressors and harmless little ole five-round magazines.

But get this—**Springfield** also sells an after-market accessory kit consisting of one black plastic stock, one pistol grip, one flash suppressor and one 30-round magazine. It's called the "Accurizing Kit."

A **Springfield** spokesman explained the euphemism this way: "You have a greater chance of hitting something with 30 rounds than five, right? So that's an accurizing feature. The flash suppressor reduces recoil, so that's an accurizing feature. The pistol grip, well, that's an ergonomic feature for greater accuracy."

Will the real **Laserpoint** please stand up? Both **Tasco** and **Aimpoint** proudly announced their new laser pistol sights, both called **Laserpoint**. How did they come up with the same name?

Purely coincidence, said **Kim Hendon** of **Aimpoint**. Just an obvious good name, said **Gerry Goss** of **Tasco**.

Both sights, incidentally, will be tested in an upcoming issue of *American Handgunner*.

Bob Magee of **Interarms** called to remind everyone that the new **Firestar** 9mm from **Star** of **España** is a tiny little pocket-sized pistol like the **LaFrance**



Nova that was featured last issue. The article suggested that *only* the **Nova** was that small.

The sub-compact **Firestar** is a 7-shot 9mm weighing 30 ozs. and measuring only 6½ inches long.



Presenting



Solid evidence for shooting the new XTP™ pistol bullet



Expands to
1.5 times
its original
diameter

We recently tested six of our competitors' reputed stopper bullets side-by-side with our new XTP™ bullet. The results were astonishing.

All seven brands of bullets were shot, at numerous velocities, into both wax and water. Some brands performed adequately in one medium, but failed miserably in the other medium. Several brands didn't expand at all at low velocities and others, which did expand at low velocities, invariably over-expanded and broke apart at the higher velocities.

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

The compiled results make for some rather interesting reading. You can compare how your bullets performed in head-to-head testing by sending for your

free copy of Hornady's Pistol Bullet Research and Testing Results today.

Controlled expansion, at all
practical velocities under diverse conditions.



WAX TEST

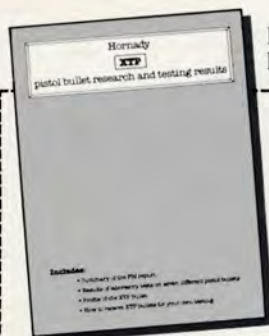
As Hornady's standard testing medium for over 15 years, wax is a soft medium which provides a good means for measuring a bullet's depth of penetration, and the size of the permanent wound cavity it creates.



WATER TEST

The water test was devised for two reasons. First, water is a hard medium and poses an extreme challenge to every bullet's performance, and second, it's a test which can easily be duplicated by shooters.

Send for your free copy of the bullet testing results.



Return the coupon below and receive Hornady's Pistol Bullet Research and Testing Results, and the 1990 Hornady Catalog free. Include one dollar and we'll send you our 1990 Hornady Bullet Poster.

Name _____
Address _____
City _____ State _____
Zip _____

I use my handgun for:

- self defense hunting competitive shooting
 recreation/plinking (check all that apply)



OUR REPUTATION RIDES ON EVERY SHOT

Mail this coupon to:

Hornady Manufacturing Co., Dept. AG2050
Box 1848, Grand Island, NE 68802-1848,
or call toll-free
1-800-338-3220



Smaller. Slimmer. Safer. Smoother.

The New Compact 9mm's from Smith & Wesson Any Way You Look at Them--They're Better

You're looking for a compact 9mm--but don't want to compromise capacity and features for the sake of size and weight. With the new Smith & Wesson compact models 3913 and 3914, you don't have to. These pistols pack a full eight-plus-one rounds, and are clearly...

Smaller than all major 9mm compacts on the market today. In short, you get 9mm power in a .380-sized package.

Slimmer than every other 9mm compact available from the slide to the grip girth.

Safer than any other make--our unique three-safety system makes these the safest compacts you can own.

Smoother than other models. You'll see it in the smooth rounded edges, bobbed hammer--and in the consistently smooth trigger pull that's ensured by our proprietary trigger pull monitor.

The new compacts from Smith & Wesson. Available in blue or stainless. With the quality--and exceptionally reliable function--you expect from a Third Generation pistol. Made in America and protected by our Lifetime Service Policy.

And they're available now at your Smith & Wesson dealer.



Smith & Wesson
SPRINGFIELD, MASSACHUSETTS 01102