

LASER HANDGUN SIGHTS ARE HERE!

AMERICAN

MAY/JUNE, 1982 \$2.00

## HANDGUNNER

OFFICIAL MAGAZINE OF THE OUTSTANDING HANDGUNNER AWARDS FOUNDATION

67522 T&amp;E

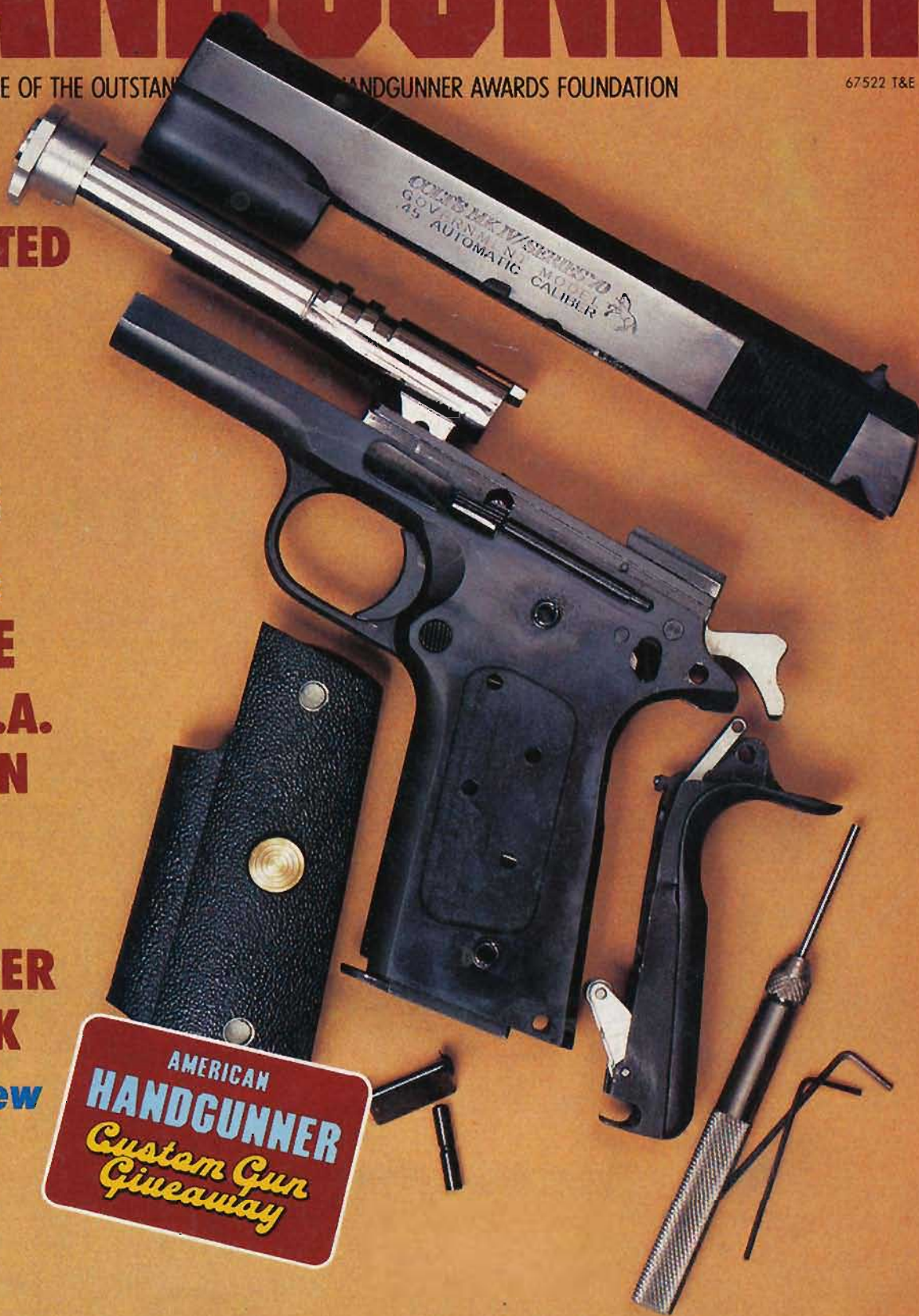
**SILHOUETTE**  
**AN UNLIMITED**  
**REPEATER**

**TEST REPORT**  
**S&W 3"**  
**MODEL-13**

**COVER STORY:**  
**CARAVILLE**  
**DROP-IN D.A.**  
**CONVERSION**

**WIN A**  
**CUSTOM**  
**RUGER SUPER**  
**BLACKHAWK**

**By Bob McGrew**



AMERICAN  
**HANDGUNNER**  
*Custom Gun  
Giveaway*



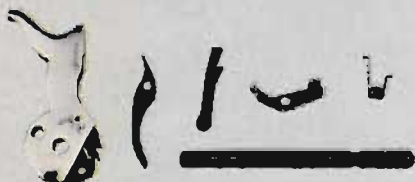


# Do you own a **RUGER®** Blackhawk or Single-Six® revolver like this?



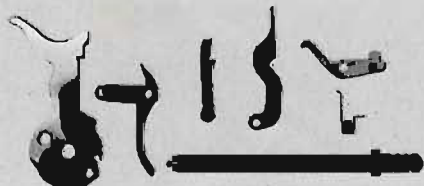
**If so, Ruger wants to give you, and install FREE,  
a unique new improvement . . .**

**With the following parts removed:**



"OLD MODEL" RUGER SINGLE-ACTION PARTS

**We will install this new set of parts:**



RUGER SINGLE-ACTION CONVERSION PARTS  
(Patent Applied for)

**This conversion will not:**

- Alter the frame or other components of your revolver.
- Affect the external appearance of your revolver.
- Deduct in any way from the basic simplicity and utility of these classic single-action revolvers.

**This conversion will:**

- Give you many of the convenience, durability, and safety features of the patented Ruger New Model single-action revolvers made since 1973.
- Help prevent accidental discharges caused by a blow to the hammer if the user has failed to take the basic safety precaution of keeping an empty chamber under the hammer.

We honestly believe this to be one of the most important firearms inventions ever offered by our company. While we are proud of the over one and one quarter million "old model" Ruger Single-Six, Blackhawk, and Super Blackhawk revolvers produced from 1953 to 1972, we want to see them equipped with this valuable improvement and offer to perform this simple conversion for our customers *at no cost*.

To ensure correct fitting, this system must be installed at our factory. To receive this free Conversion, write to us at the address below. We will provide you with a shipping container and instructions. You pay only initial shipping charges to our factory—the Conversion is free and we will pay return shipping costs. *Do not send your "old model" Ruger single-action revolver until you receive specific shipping instructions.*

This offer may be withdrawn at our discretion by December, 1983

copyright 1982 by Sturm, Ruger & Company, Inc.

RUGER, SINGLE-SIX, and BLACKHAWK are U.S. registered trademarks

FREE CATALOGS AND INSTRUCTION MANUALS WHICH CONTAIN APPROPRIATE WARNINGS AND ADVICE FOR THE USE OF ALL MODELS OF RUGER FIREARMS ARE AVAILABLE FROM THE FACTORY ON REQUEST



**STURM, RUGER & Company, Inc.**

**2 Lacey Place, Dept. OM**

**Southport, Connecticut 06490 U.S.A.**

ALL RUGER FIREARMS ARE DESIGNED AND MANUFACTURED IN RUGER FACTORIES IN THE UNITED STATES OF AMERICA



**When reliability is mandatory...  
and second best won't do**

# The **HK** sporting arms



## **The HK 91, State Of The Art Performance**

Chambered for the popular .308 (7.62 NATO) cartridge, this semi-auto version of the legendary G3 is the standard by which others compare.



## **The P7 (PSP) 9mm**

Already chosen by leading law enforcement agencies throughout the world, the speed, safety and accuracy of this uniquely designed firearm will make it the choice of sportsmen everywhere.

## **The Emergency Flare Kit**

This self contained emergency flare kit comes with a five round magazine and could prove an invaluable addition to any plane, boat, motorhome, or off the road vehicle.



**Extra Flares Available**  
in red, green or white. 19mm.

**Not A Firearm**  
(in most states)



**HECKLER & KOCH, INC.**

933 NORTH KENMORE STREET, SUITE 218  
ARLINGTON VIRGINIA 22201 (703) 243-3700

Write for our color catalog of new and exciting HK firearms. Please include \$3 for postage and handling.



# AMERICAN HANDGUNNER

MAY/JUNE, 1982, Vol. 7, No. 34

## FEATURES

### Brand New!

<b>MASTER TIPS</b> , Jon Winokur	19
<i>Shooting tips to make you a winner</i>	
<b>ELECTRO-FILM</b> , Karl Bosselmann	30
<i>New and old combine for a new gun finish</i>	
<b>FBI MODEL 13 S&amp;W</b> , Dick Aaron	32
<i>Heavy barrel 3-incher is a hit</i>	
<b>GUNMAKING IN LLAMA-LAND</b> , J.D. Jones	34
<i>New auto pistols and revolvers</i>	
<b>BREN TEN</b> , AH Staff	36
<i>Betting on Cooper's baby</i>	
<b>REPEATING UNLIMITED</b> , J. Rader	37
<i>An XP with a magazine</i>	
<b>LASER SIGHTS</b> , Massad Ayoob	38
<i>Latest in law enforcement tools</i>	
<b>CUSTOM GUN OF THE MONTH</b>	40
<i>Win this custom Ruger Blackhawk by Bob McGrew</i>	
<b>COLT NEW SERVICE TARGET</b> , Bob Murphy	42
<i>The history behind these big guns</i>	
<b>INFLATION &amp; THE HANDLOADER</b> , Cloud Hamilton	45
<i>Lower the high cost of shooting</i>	
<b>THE EAGLE</b> , AH Staff	49
<i>Preview of a new auto pistol</i>	
<b>CARAVILLE ARMS</b> , Greg Moats	50
<i>Drop-in D.A. kit for the 1911</i>	
<b>J MICHAEL PLAXCO</b> , Ken Hackathorn	54
<i>Profile of a pistolsmith</i>	

## DEPARTMENTS

<b>COP TALK</b> , Massad Ayoob	6
<b>INDUSTRY INSIDER</b> , J. Rakusan	10
<b>PISTOLSMITHING</b> , John G. Lawson	12
<b>HANDGUN RELOADING</b> , Dan Cotterman	14
<b>SILUETAS</b> , Philip Briggs	16
<b>HANDGUN HUNTING</b> , J.D. Jones	20
<b>SIGHT SETTINGS</b> , Lucy Chambliss	22
<b>COMBAT COURSE</b> , Stanley Trzoniec	24
<b>SPEAK OUT</b>	57
<b>WHAT'S NEW</b>	62
<b>HANDGUN MARKET</b>	72



COVER: Carville's D.A. unit for the .45 auto and some of their accessories. Photo by Nick Korras

## STAFF

**GEORGE E. VON ROSEN**, Publisher  
**JEROME RAKUSAN**, Editorial Director  
**SYDNEY BARKER**, Art Director  
**JOE ROSS**, Art Assistant  
**RICHARD DOWDY**, Art Assistant  
**TOM HOLLANDER**, Circulation Director  
**STEVE LIPSKY**, Advertising Sales  
**BOB CUSICK**, Advertising Sales

**NATIONAL ADV. OFFICE:** Bob Cusick, Advertising Sales Manager, 591 Camino de la Reina, Suite 200, San Diego, CA 92108 (714) 297-8520

**WEST COAST REPS.:** Media Sales Associates, Bill Hague, Rick Ayer, 26944 Camino de Estrella, Capistrano Beach, CA 92624 (714) 661-2423

**EAST COAST ADV. REPS.:** Buchmayr Associates, 19 Birch Rd., Darien, CT 06820 (203) 655-1639.

**AMERICAN HANDGUNNER** (ISSN 0145-4250) is published bi-monthly by Publishers Development Corp., 591 Camino de la Reina, San Diego, CA 92108. Second class postage paid at San Diego, CA 92108, and at additional mailing offices. Subscriptions: One year (6 issues) \$9.95. Single monthly copies \$2.00. Change Of Address: Four weeks' notice required on all changes. Send old address as well as new. Contributors submitting manuscripts, photographs or drawings do so at their own risk. Material cannot be returned unless accompanied by sufficient postage. Payment will be made at rates current at time of publication and will cover reproduction in any or all **AMERICAN HANDGUNNER** Magazine editions. Advertising rates furnished on request. Reproduction or use of any portion of this magazine in any manner, without written permission, is prohibited. All rights reserved. Title to this publication passes to subscriber only on delivery to his address. **SUBSCRIPTION PROBLEMS:** For immediate action write to **AMERICAN HANDGUNNER**, Attention: Donna Maass—591 Camino de la Reina, Suite 200, San Diego, CA 92108 or call (714) 297-8524. Ask for Donna Maass or Tom Hollander.





# ANNOUNCING THE MOST SOUGHT AFTER PISTOL EVER MADE

*"The Heir to the Colt .45 Auto"*  
—Jeff Cooper

There are very few occurrences in history of this magnitude. Imagine if in the 1800's there had been issued a limited run presentation grade Samuel Colt Commemorative Single Action Army Revolver. Imagine if in the early 1900's there had been issued a limited run presentation grade John M. Browning Commemorative Colt .45 Pistol. Further imagine that you were the owner of either of these fine handguns and it was in mint condition. Can you imagine the pride of ownership in having one of these? Unfortunately, those commemoratives didn't happen. But, you have a comparable, unusually rare, once-in-a-lifetime opportunity to own a firearm with that type of heritage, and that opportunity is now.



Jeff  
Cooper  
Authorized

Jeff Cooper: M.A.-UCLA, B.A.-Stanford, writer, college professor, founder and combat master Southwest Pistol League, founder and director American Pistol Institute, founder and honorary lifetime Chairman International Practical Shooting Confederation, former United States Marine Colonel, and the most internationally renowned and knowledgeable combat pistolcraft instructor in the world.

**JEFF COOPER'S BREN TEN INITIAL ISSUE COMMEMORATIVE** — pays tribute to and honors the distinguished career of the father of modern combat pistolcraft — JEFF COOPER, and marks the kick-off of the production of the most desired pistol ever made — THE BREN TEN 10MM AUTO.

#### DESCRIPTION

This exquisitely crafted piece is a fully functional, finely tuned, commemorative combat pistol. It has all of the features of a standard production model Bren Ten including selective double/single action, reversible thumb safety, and replaceable front sight, plus all of the custom features that Jeff Cooper has personally and expressly designated for this pistol. The superb stainless steel frame and blue steel slide have been highly polished to a mirror-like finish, with specially selected detailing meticulously crafted in 22k gold plate. To complement our heritage, this fine pistol is completely made in America. A special manufacturer's seal will be placed on each commemorative after it has been personally inspected and test-fired by Jeff Cooper, with a registered serial number coordinated certificate of authenticity. Each commemorative is presented in its own custom fitted, hand-rubbed, specially selected dark wood presentation chest, lined with rich, plush, deep burgundy velvet, with the owner's name inscribed on the engraved custom plaque within. To further enrich this issue, twelve deactivated 22k gold plated, 10mm auto cartridges are included.

#### AVAILABILITY & SHIPMENT

Orders are now being accepted on a first come, first served basis. Requests for specific serial numbers will be honored if available; otherwise, you

will be assigned a serial number as your order is received. Once the minimum subscription level, necessary to justify production time, has been reached, production will begin. Two hundred of these fine pistols are scheduled to be produced per week, with shipments directly from our exclusive commemorative dealer, Gun Finders, Phoenix, Arizona. Because we have no control over how fast orders will be sent in, we cannot guarantee a specific delivery date. Although we will do everything within our power to deliver the commemoratives in a timely manner, we will not sacrifice quality and care in craftsmanship for a little time.

#### ASSURANCE & ACKNOWLEDGEMENT

To guarantee commemorative production, all funds are to be sent directly to Sunwest Bank, where they will be deposited and held in a special Trust Account. The funds cannot be released until the necessary minimum subscription level is reached. If, for any reason, the minimum subscription level is not reached, then 100% of the subscriber's funds will be returned directly by the Bank. Upon receipt of your order, you will receive a formal acknowledgement package which will include your assigned serial number, a bank document showing your funds have been deposited in the Trust Account, a special discount coupon, a copy of "Jeff Cooper on Handguns," and much more.

#### HOW TO ORDER

**Assured Order Plan:** The best and most direct way to assure your order is to make out your check for \$2,000, payable to: **Jeff Cooper Commemorative Trust Account**, and send it directly to Sunwest Bank.

**Charge Card Plan:** Charge your order on either VISA or MasterCard. Send your order directly to Sunwest Bank for processing. Indicate: Card charged, account number, expiration date, and your signature.

**30-Day Reservation Plan:** Send your reservation request to the manufacturer, but send no money, whereupon you will be assigned a serial

number. To receive your confirmation and acknowledgement package, send your check within 30 days for the full \$2,000 to Sunwest Bank. DO NOT send any money to the manufacturer. Subscribers not completing their order, will have their serial numbers reassigned.

Regardless of which method you choose, remember, all funds go to the Bank.

This is the only production pistol ever to bear Jeff Cooper's name. It is a special one-time issue, and when fully subscribed will never be available again, with production strictly limited to 2,000 pistols. This is the ultimate, absolute top-of-the-line, commemorative combat pistol. If there was ever one commemorative to get, this is it.

#### ORDER FORM

##### Jeff Cooper's Bren Ten Initial Issue Commemorative

☐ Assured Order ☐ Charge Card  
VISA # .....  
MC # .....

Send to:  
Jeff Cooper Commemorative Trust Account  
Sunwest Bank, 301 South Glassell Street  
Orange, California 92666

☐ 30-Day Reservation  
Send to:  
Dornaus & Dixon Enterprises, Inc.  
16718 Judy Way, Cerritos, California 90701

Name .....  
Print Clearly

Address .....

Arizona residents, please add 5% State sales tax.  
1012



# COP TALK

MASSAD AYOOB

## QUESTIONS FROM OUR READERS AND STRAIGHTFORWARD ANSWERS FROM...

Officer Survival remains an important issue today, and it engenders a lot of questions. Here are some of the latest we've received that are of general law enforcement interest.

### NIGHT SHOOTING METHODS

*Our department has just given us authorization to put together a night shooting program. Since you get around pretty much and see a lot of the techniques, what do you favor for (1) best training method of night shooting without illumination, and (2) firing techniques with the flashlight? Also, how good are the self-illuminating night sights on the street?*

Southern Range Officer

Taking your questions in order, you'll get the best results in night-firing without a light source if you teach your officers to fire from the McGee Turret (Fairbairn isos-

celes) position. In this stance, the body becomes a gun turret that rotates at the hips. Both arms are locked straight out in front of the officer, forming an isosceles triangle with his chest. It is important to teach the officer to lock his entire upper body, including the neck.

When the officer hears a sound in the dark (ie, a gunshot fired at him), it is human instinct for him to turn toward that sound. If his neck is locked with his torso, and his arms are locked in the turret position, his eyes will lock in on the sound, and his gun will now be pointed in the exact same place. This hold is devastatingly accurate within seven to fifteen yards.

Flashlights? I teach students in my Lethal Threat Management courses (open to police only, through the Defensive Tactics Institute, Police Firearms Training Di-

vision, P.O. Box 122, Concord, NH 03301) five different flashlight techniques. These include the FBI Method, the Cirillo Method, the Chapman Method, the Harries (IPSC) Method, and my own technique. As you might suspect, I favor the Ayoob technique.

In the Ayoob Method, the gun is thrust forward in one hand and the flashlight in the other; hands meet at base of thumb and are in a symmetrical position. This somewhat reduces recoil, but mainly, it points the flashlight slightly upward, automatically directing the beam into the eyes of a man within fifteen to seven yards, blinding him. The spillover of the beam onto the chest area is more than sufficient to silhouette the sights for a "flash sight picture" if the officer chooses not to fire from a "point" position.

Night sights, typified by the Santiago Day-Nite Site and the T-Sight, are excellent for accurate fire in the dark. However, they do not replace the flashlight, which allows you to positively identify your target before you pull the trigger.

### SAFE CARRY OF POLICE ASSAULT RIFLE

*I'm a rural police officer, and the more I look at it, the more a .223 assault rifle makes sense instead of a 12-gauge shotgun. In the open spaces where I work, the distance between me and an ambusher would probably*

*Continued on page 28*

## 9-SHOT WESTERNS

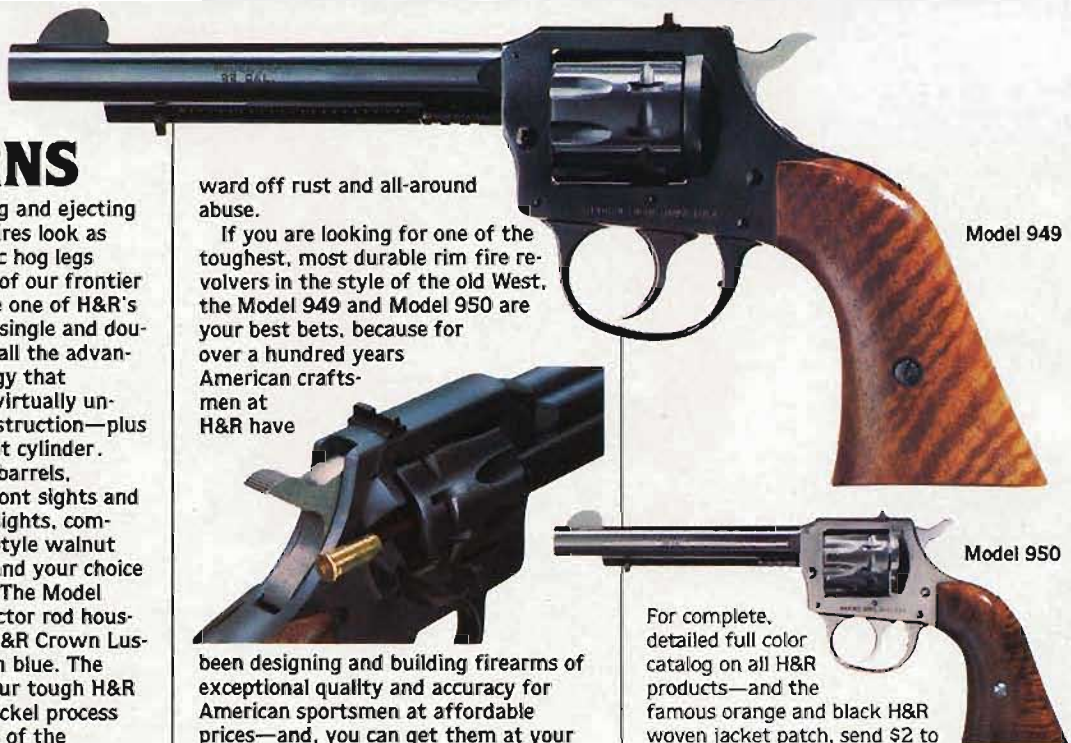
These superior side loading and ejecting 22LR western-style rim fires look as though they are old classic hog legs straight out of the pages of our frontier history. In reality they are one of H&R's most modern, up-to-date single and double action revolvers with all the advantages of today's technology that includes our dependable, virtually unbreakable, coil spring construction—plus the advantages of a 9-shot cylinder.

Our 9-shots have 5½" barrels, western-type big blade front sights and windage adjustable rear sights, comfortable 2-piece frontier-style walnut finished hardwood grips and your choice of blue or nickel finishes. The Model 949's barrel, cylinder, ejector rod housing and trigger guard is H&R Crown Lustre blue—the frame, satin blue. The Model 950 is finished in our tough H&R Hard-Guard electro-less nickel process that penetrates the pores of the metal, adds hardness and helps

ward off rust and all-around abuse.

If you are looking for one of the toughest, most durable rim fire revolvers in the style of the old West, the Model 949 and Model 950 are your best bets, because for over a hundred years American craftsmen at H&R have

been designing and building firearms of exceptional quality and accuracy for American sportsmen at affordable prices—and, you can get them at your dealer's today!



Model 949

Model 950

For complete, detailed full color catalog on all H&R products—and the famous orange and black H&R woven jacket patch, send \$2 to Dept. AH-22C



**Harrington & Richardson, Inc.**

Industrial Rowe Gardner, MA 01440

from the No. 1 maker of rim fire revolvers...



# WEATHER-BEATERS

The Charter Undercover and Pathfinder are "weather-beaters"... they're made of corrosion-resistant, durable, stainless steel. Both are stainless *throughout*, except for the indestructible Beryllium copper firing pin, yet they travel light—17 ounces for the Undercover and 20 ounces for the Pathfinder. Charter Arms is a pioneer in the reduction of critical moving parts... fewer moving parts make Charter revolvers more dependable. A high standard of performance is achieved through improvements that retain the cherished basics of fine gun design.



Double action rapid fire capability is attained through unique engineering of the lockwork and only Charter Arms firearms employ a hammer arc of 55° (5° less than conventional revolvers). The hammer is blocked for safety, providing absolute assurance against firing unless the trigger is in full rear position... won't fire—even if dropped! For your preference, the Undercover .38 SPL and the Pathfinder .22 LR are also available in regular blue finish with an all-steel frame.

These are only some of the distinguishing characteristics of Charter firearms. Charter offers a dependable product at an affordable price, without sacrificing quality. Innovative design features make it possible.

For more information, write for the free illustrated catalog detailing these two models, along with the entire Charter Arms line of fine American firearms. Send \$2.00 with your catalog request and get the Charter shooter's patch.



## CHARTER ARMS

Dept. 2GH-GM3, 430 Sniffens Lane  
Stratford, CT 06497





Music wire or stainless steel coil springs are used throughout the Ruger double action revolvers.

The transfer-bar ignition system provides that the hammer blow can be transmitted to the firing pin only when the trigger is pulled all the way to the rear. This is a positive internal safety feature designed to prevent firing if the revolver is dropped accidentally, or if the hammer spur receives a sharp blow.

The cylinder interlock feature ensures that the hammer cannot be cocked when the cylinder is open, nor can the cylinder be swung out of the frame when the hammer is cocked.

The spring-loaded firing pin is enclosed in the frame. Note: With the trigger released and transfer-bar withdrawn below the firing pin, the hammer nose rests directly on the frame and cannot contact the firing pin.

The barrel, sighting rib, and ejector rod housing are a rugged, integral unit, made of heat-treated stainless or chrome molybdenum steels. The rear sight provided on Security-Six models is adjustable for windage and elevation.



FIELD STRIPPED VIEW

# RUGER® Double Action Revolvers

These are the revolvers created by Ruger engineers who started with a fresh sheet of paper and an unlimited budget! There is nothing in the design of these Ruger double action revolvers which is there simply because "it has always been done that way"; nothing which reflects a commitment to outmoded production methods or obsolescent factory facilities. Representing a significant improvement in design, these revolvers incorporate creative Ruger engineering, sophisticated manufacturing techniques, and superior materials.

The Ruger design philosophy of strength, simplicity, and ease of maintenance has been applied throughout the design of these revolvers. Composed of a series of integrated subassemblies, the Ruger double action revolver can be field stripped to its basic components in seconds, without the use of tools. The entire lock mechanism is installed through the bottom of the grip frame as a unit, permitting the use of solid frame side-walls which contribute to the great strength of these revolvers. The complex milled-out frames and delicately fitted side-plates of other double action revolvers, and the difficulties of maintenance and weaknesses inherent in older designs are eliminated entirely.

The finest materials are used in Ruger double action revolvers. Music wire or stainless steel coil springs are used throughout and frames, cranes, cylinders, and barrels are of heat-treated stainless or chrome molybdenum steels. Most of the small internal parts of *all* models of Ruger double action revolvers are made of stainless steel.

In addition to traditional Ruger quality and dependable performance, the shooter enjoys the advantages of the durable stainless steel mechanism parts, even in standard blued models.



Ruger Security-Six Revolver in 357 Magnum caliber with rear sight adjustable for windage and elevation. Choice of 2 3/4", 4", or 6" barrel in blued finish or stainless steel.



Ruger Police Service-Six Revolver in 357 Magnum, 38 Special, and 9 mm parabellum (blued model only) calibers with fixed sights. Choice of 2 3/4" or 4" barrel in blued finish or stainless steel.



Ruger Speed-Six Revolver with compact round butt in 357 Magnum, 38 Special, and 9 mm parabellum (blued model only) calibers with fixed sights. Choice of 2 3/4" or 4" barrel in blued finish or stainless steel.

RUGER, Security-Six, Service-Six, and Speed-Six are registered U. S. trademarks



FOR YOUR COPY OF A FREE ILLUSTRATED CATALOG OF ALL RUGER FIREARMS, WRITE DEPT. AH

**STURM, RUGER & Company, Inc.**  
Southport, Connecticut 06490 U.S.A.

ALL RUGER FIREARMS ARE DESIGNED AND MANUFACTURED IN RUGER FACTORIES IN THE UNITED STATES OF AMERICA





# Bianchi's on the Wagon!

The #1 Selling Holster in the World Today is BIANCHI, and He's Headin' for your Local Dealer with a Wagon Load of the Best Quality Belts, Holsters and Shooting Accessories Money can Buy. More than One Million Police Officers, the Military, and Shooters like you will buy BIANCHI in 1982. Dealers inquire!



Get the whole Bianchi Gunleather™ story by sending \$1.00 today for a 64 page, full color 1982 catalog. Then buy the best — BIANCHI!



**BIANCHI**  
GUNLEATHER™

*"The world standard by which all gunleather is judged."*

100 Calle Cortez • Dept. AH-582 • Temecula, CA 92391



# INDUSTRY INSIDER

JERRY RAKUSAN

## NO BIG SURPRISES AT THE SHOT SHOW, BUT SOME GOOD SIGNS

If there is little new that we can offer, it's not because of a lack of interesting items. There are some new and exciting developments in the handgun field, but many are stalled because of a lack of start-up capital and some are still in prototype stages of development. We have previewed the Eagle .357 Magnum auto and the Bren-Ten in this issue, but that does not mean that you can run out and buy them.

The recent SHOT Show in Atlanta was the most active I have seen. While long gun activity was surprisingly good, it was the handgun field that bustled like the floor of the N.Y. Stock Exchange. Here are some highlights:

Colt invited a group of writers to an indoor range near Atlanta to shoot the new Mark V revolver. Colt also announced the return of the .22 New Frontier and the possibility that all Colt black powder guns could be discontinued after 1982. The two newest S&W revolvers are highlighted in this issue. Two outfits showed their own new 1911 frames and slides; Numrich's are rather basic, but Springfield Firearms Corp. has several combat variations available. H&R was showing scopes and mounts for their ribbed revolvers and gun-fighter-type grips for their round butt guns. Silver handgun scopes—stainless from Weaver and brushed aluminum from Tasco—seem to be the coming thing to match the stainless handguns. The Aimpoint sight got a lot of attention from handgun dealers. Winning the NRA match helped, and so will a new grip-mount designed by Jim Clark that will attach the Aimpoint to the .45 auto.

Jim Mongello of Arminex Ltd. (7882 E. Gray Rd., Scottsdale Airpark, Scottsdale, AZ 85260) and his redesigned .45 G.M. with a firing pin lock safety, improved reliability, and caliber interchangeability. Called the "Trifire," it will be available in blue, nickel or stainless.

Charter got a lot of attention with its stainless guns, and there was much interest in the stainless .44. Dan Coonan was there with his .357 Magnum auto—delivery promised in 82. Detonics displayed its .451 Magnum conversion kit and the whole host of accessories it now offers. Charlie Kelsey of Devel had his new 8-shot magazine for the 1911 that should be available by the time you read this. We saw, for the first time, an actual sample of the Eagle (see preview in this issue) and found it interesting. Magnum Research tells us that production, in Israel, is set to go.

There were many other new items at the show, and we'll be covering some of them in future issues, such as the Ruger Mk II .22 auto; the new T/C action; and the Llama Omni D.A. auto.

Perhaps the most exciting thing at the show—at least to this casual observer—was the Blazer .38 Special ammo from Omark CCI. The ammo is factory loaded in aluminum cases with its own Berdan-type primer. Therefore they cannot be reloaded, but since they are priced significantly lower than other factory loads, who cares. This will be a boon to those who don't reload. The Blazers are available only in .38 Spec. right now, in a 148 gr. wadcutter, a 158 gr. RN lead and a +P 125 gr JHP. Watch for it.



### Hercules. Specialists in smokeless powders for the Reloader.

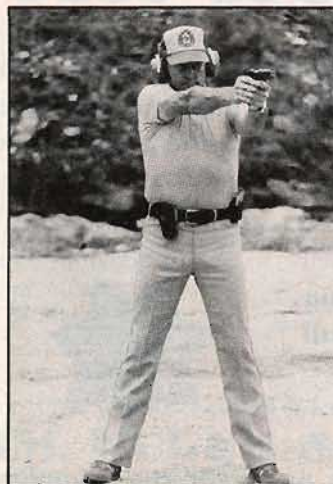
Hercules. The leader in reloading powders for more than sixty years. Red Dot® Bullseye® Herco® Green Dot® Unique® Reloder 7® Blue Dot® Hercules 2400®

Each is special, and each delivers high energy, fast, clean burn, shot-to-shot consistency, and economy. Anticorrosive, too, for gun protection.

You do a special job when you reload. Be sure your powder comes from the specialist. And be sure to pick up a Hercules Reloaders' Guide FREE at your dealer's.

Hercules Incorporated, Marketing Division, Wilmington, DE 19899.

XS 81-1



### MODERN PRACTICAL and DEFENSIVE SHOOTING

is being taught at the CHAPMAN ACADEMY OF PRACTICAL SHOOTING. Courses are now available for pistol, rifle and shotgun. The courses have been attended and praised by world class competitive shooters as well as law enforcement personnel. For information write:

**CHAPMAN ACADEMY**

P.O. BOX 7035 • Columbia, MO 65205  
(314) 696-5544



# .357 MAGNUM

Super Comanche®  
available in  
4", 6" and 8½" bbl.  
Comanche® available in  
4" and 6" bbl.

## FROM LLAMA: THE REVOLVERS OF THE FUTURE, TODAY

To provide the shooter with the strongest, most controllable and durable revolver, Llama engineers built a new .357 on the big, brawny Super Comanche frame. This frame, forged for strength, absorbs the maximum amount of recoil needed for today's hotter loads. It further reduces muzzle jump, and provides greater balance, control, accuracy and a longer firing life.

For double added safety, Llama engineered an eccentric cam-hammer system that makes accidental discharge virtually impossible, and incorporated the "old reliable" triple lock crane cylinder support for additional locking strength.

And to satisfy those shooters who prefer a lighter, more compact gun, Llama engineers designed a second all-new .357, built on a medium weight frame, which also features the eccentric cam-hammer system.

Now, Llama offers two of the most mechanically advanced .357's available. Both models include Super Comanche features of a matte finished ventilated rib; a precision-lapped barrel, a super-wide trigger and hammer spur and a magnum-sized checkered grip for comfort and control.

For your nearest Stoeger dealer or descriptive catalog (\$2.00), call toll free (800) 631-0722, in N.J. call collect (201) 440-2700 or write:

# LLAMA

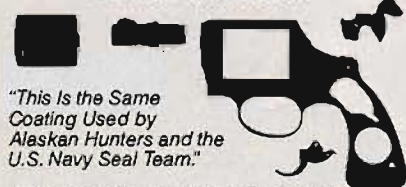


Stoeger Industries 55 Ruta Court, S. Hackensack, NJ 07606  
Stoeger Canada, Ltd. 165 Idema Road, Markham, Ontario L3R-1A9



# LUBRI-BOND GUN TREATMENT PERMANENT SOLID FILM LUBRICANT

Eliminates the Need to Oil Your Gun.  
Non-Glare Finish on Entire Gun.  
Inhibits Corrosion.



"This Is the Same  
Coating Used by  
Alaskan Hunters and the  
U.S. Navy Seal Team."

• Two Step Process: 1) zinc phosphating (Parkerizing) all steel parts; 2) spray coating of solid film lubricant. Coated parts will be gray in color • Dust and dirt will not stick to our solid film coating • Provides super smooth action on all mechanisms • Use gun without oil. Lubri-Bond takes the place of oil • All firearms must be shipped to Electrofilm totally disassembled, ready to process. Ship only parts for processing.

## Dealer Inquiries Invited

Handguns \_\_\_\_\_ \$39.00  
Rifles \_\_\_\_\_ \$53.00  
Pump & Auto. Shotguns \_\_\_\_\_ \$53.00  
Calif. residents add 6% sales tax

## 5-DAY TURNAROUND TIME

All work F.O.B. Valencia, CA • Payment Terms: Cash,  
Check or Money Order along with order.  
UPS Handling & Insurance — \$4.50  
Long Guns — \$6.75  
Federal Firearms License No. 9-95-019-01-01-08870

Touch-up for damaged or worn parts can be done  
with our Lubri-Bond Gun Kit shown below.



To Obtain a  
Similar Finish to  
the Above, Send  
for Electrofilm's  
Lubri-Bond Gun  
Lubricant Kit.

Lubri-Bond Gun Lubricant contains molybdenum disulfide in a paint-like binder, and meets several military specifications. Lubri-Bond Gun Lubricant will inhibit corrosion and provide a super smooth mechanical action on all moving parts. Dust and dirt will not stick to coated surfaces as it does when using oil or grease. All moving parts should be coated. If desired, the entire gun can be coated. The kit comes with two 3 oz. aerosol containers. One of the aerosol cans contains a degreaser which is used as a pre-treatment before applying the gun lubricant. The other aerosol can contains the gun lubricant. This coating should be applied over clean bare metal. It can be applied over phosphated (Parkerized) and sand blasted metal for longer wear-life. One 3 oz. aerosol can is enough to completely coat one rifle or two handguns.

## ELECTROFILM, INC.

27727 Avenue Scott • Valencia, CA 91355 • (213) 875-1000

Please send me \_\_\_\_\_ Lubri-Bond Kits AH5  
@ \$8.95 each. I am including \$1.50 to cover  
postage. Enclosed is a total of \$ \_\_\_\_\_

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

Charge to my ☐ BAC/VISA ☐ MASTERCARD

# \_\_\_\_\_ Exp. Date \_\_\_\_\_

# PISTOLSMITHING

JOHN G. LAWSON

## DEALING WITH A PISTOLSMITH FOR A BETTER CUSTOM JOB

You have a general idea of the work you want accomplished on your handgun, based on discussions with other shooters, magazine articles, advertisements, and examples you've seen performing on the range. Your next step is to narrow down your choice of shops listed in the American Handgunner Directory of Custom Pistolsmiths or your list of less specialized shops that appear in the Yellow Pages. The final decision is a very personal choice that might be influenced by performance, esthetics or personalities. Once that choice is made, visit or call the shop, but make certain that you talk to the gunsmith who will actually perform the work; you can't get the information or positive commitments you want from office workers or salesmen.

### COMMUNICATE DIRECTLY

You may spend what seems an eternity on "hold"; hang in there until you can speak with your man. Many large shops employ several gunsmiths; some divide the work between two or more, each doing part of the operations. During this conversation, detail the work you want done, ask for advice if you need it, and determine who will actually do the work. Ask if the finished job will be range tested and exactly what kind of tests will be conducted. In short, catalog every small detail, taking notes that you will keep for future reference. If anything the gunsmith describes or suggests puzzles you, now is the time to request an explanation.

### DEFINE THE TERMS

Tell him briefly who you are and how you will use the gun. This part of your conversation should be devoted to putting your personality across, and it is a critical phase. Pin down an estimated delivery date. At least one well known shop is three years backlogged and will accept work only from top IPSC competitors on an "expedite" basis for the publicity involved.

Ask for a concrete price quotation and for terms. Some shops require half the amount in advance; others want the entire sum and yet others will wait until the work is completed. Because of inflation, you may find yourself paying more than the price quoted if you don't prepay or make a substantial down payment. By all means fit the terms to your financial position, but be absolutely certain that you understand

your complete financial obligation before you hand over your gun.

### DELINEATE THE WORK

When you ship your handgun, include a letter addressed to the 'smith you talked with that exactly lists each operation you want performed, together with a description of any unusual features and the prices quoted. Don't rely on somebody's memory of a phonecon; it is easy to confuse two different projects after a few days have elapsed. Finally, if you have afterthoughts or wish to add anything, your gunsmith is as close as your phone. It's always better to disturb him than to risk a misunderstanding that could lead to hard feelings.

### UNDERSTAND CUSTOM WORK

Factory warranties may be voided when you have alterations done on your handgun, or, in some cases, when you fire handloads. You could also forfeit your rights under factory warranty by merely substituting one factory part for another. But, from past experience with warranty claims, I feel you aren't changing the situation materially by having work done on your handgun.

### PROBLEMS ARISING

In a recent conversation, a top IPSC competitor told me that, in recent months, he had personally observed an increased number of malfunctions in pistols modified and customized by shops with top reputations. No matter how careful your gunsmith may be, he can't guarantee trouble-free functioning of cast parts in your weapons. Factory quality control concentrates on certain phases of manufacturing, as in the past, but the new systems of production seem to have opened up whole new areas of problems. In IPSC circles, the beautifully made—forged and machined—pistols of the 1950's bring premium prices. They were, beyond doubt, the very pinnacle of state of the art, but would cost a thousand dollars apiece to make today, if the tooling and technology still existed . . . which it does not. So, how many of a manufacturer's quality control problems you can blame on your pistolsmith will depend, to a great extent, on his supply of available patience. There is no pistolsmith working today who hasn't absorbed more than his share of factory

*Continued on page 27*



# From The GOOD OL' GALS At Crown City Arms ... Quality Accessories & Parts For Your .45 Auto



P.O. Box 1126, Dept. AH  
Cortland, N.Y. 13045  
Information: (607) 753-8238

Orders Only (24-Hours a Day):  
Toll Free (800)847-6703

### MUZZLE BRAKE/ SUPPRESSOR

Muzzle Brake 2" GM #25 \$18.50  
Flash Suppressor 1 1/2" GM #26 \$ 5.95  
Flash Suppressor 1 1/2" Comm. #27 \$ 9.95

### SIGHTS

Bingham Battle Combat #333 \$ 9.95  
Bingham Combat White Outline #334 12.60  
Millet MK I Fixed Sights #8335 \$27.95  
Millet 1911 Adjustable Sights #8336 58.95

### HAMMER

Commander #145 \$11.50  
Wide Spur #143 7.00  
Colt MK IV #5015 11.00  
Colt Gold Cup #5169 12.00

### EXTENDED/ AMBIDEXTEROUS SAFETY

Extended Steel #372 \$12.95  
Extended Stainless #373 14.95  
Colt Ambidextrous Safety #375 32.50  
Extended Ambidextrous Safety Steel #376 37.50  
Extended Ambidextrous Safety Stainless #377 39.95

### COLT BARREL & BUSHING KIT

.45 MK IV #5074 \$49.95  
.45 NM Gold Cup #5075 49.95  
9MM MK IV #5070 49.95  
.38 Super MK IV #5077 49.95  
.45 GM Barrel #5014 31.95  
Acro Bushing #22 6.50  
Colt Barrel Bushing Collar #5220 10.50  
.45 Comm. Barrel #5100 31.95  
9MM Comm. Barrel #5105 40.95  
.38 Super Comm. Barrel #5102 40.95

### WIDE COMBAT GRIP SAFETY

Steel GM #135 \$19.95  
Steel Comm. #136 19.95  
Neoprene-Covered GM #137 24.95  
Neoprene-Covered Comm. #138 24.95

### SLIDE

Steel GM #420 \$64.95  
Steel Short #422 64.95  
Stainless GM #421 76.95  
Stainless Short #423 76.95  
Steel Ribbed and Ported (Illustrated) #425 \$78.95  
Stainless Ribbed and Ported #426 88.95

### RECOIL BUFFER

GM Buffer #362 \$ 7.00  
Comm. Buffer #363 7.00

### TRIGGER

Long Adjustable Alloy #490 \$ 8.95  
Long Adjustable Stainless #491 7.95  
Long Adjustable Steel #492 7.95

### MAINSRING HOUSING

Pachmayr Flat #275 \$ 6.95  
Pachmayr Arched #276 6.95  
Colt Checkered Flat #5237 18.95  
Colt Checkered Arched #5238 \$18.95

### FRAME

Steel #340 \$87.50  
Stainless #341 89.95  
Ejector and Plunger Installed #345 9.95

### SQUARE TRIGGER GUARD SHOE

Steel #495 \$14.95

### MAGAZINE FUNNEL

Rogers E-Z Loader #188 \$ 5.95  
Jones Magazine Funnel #189 \$ 4.95

### EXTENDED MAGAZINE CATCH

Steel #195 \$12.50

### SPRING GUIDE ASSEMBLY

GM Guide Assembly #365 \$12.95  
Comm. Guide Assembly #366 12.95

### EXTENDED SLIDE STOP

Steel #435 \$12.95  
Stainless #436 14.95

### MAGAZINE SLAM PAD

Checkered Neoprene #185 \$ 1.50

### PACHMAYR GRIPS

Combat O Frame #453 \$12.50  
Colt O Frame w/ Medallion #9022 16.95  
(All Pachmayr and Colt/Pachmayr Grips Available)

### MAGAZINE

GI Steel #190 \$ 4.95  
Stainless With Convex Follower #151 8.50  
Stainless Premium #182 9.95  
Steel 11-Shot #183 10.50  
Stainless 11-Shot #184 11.25  
Colt .45 Blue #5335 15.50  
Stainless Pachmayr Follower #221 1.95

## To Order From The GOOD OL' GALS

Send Money Order or Cashier's Check only. Company and personal checks clear. Sorry no COD orders unless accompanied by a 25% deposit. MC/VISA orders are welcomed — supply complete card information. MC/VISA charges are subject to a 4% surcharge which is what the bank charges us. NY State residents add 7% Sales Tax or send Resale Certificate. Add shipping: \$2.00 for first item, 50 cents for each additional, \$4.00

maximum. Blue Label add \$1.50. Alaska/Hawaii double shipping amounts. DISCOUNT \$1.00 IF YOU LIST ALL CROWN STOCK NUMBERS IN ORDERING. Supply street address for U.P.S. delivery. Send current F.F.L. for Frame or Gun orders. Prices are subject to change without notice. Prices in effect at time of shipment prevail. Send \$1.00 and SASE for current flyer and price list.



©Copyright 1981 By Crown City Arms, Inc.  
All rights reserved.





## Rim Fire Cartridges



### COMPETING AND WINNING ALL OVER THE WORLD

For almost 50 years the RWS 22 rim fire cartridge has been relied upon by competitors in world championships and Olympic Games shooting events.

All RWS cartridges are designed to meet the special needs of the most demanding smallbore competitor.

#### 22 Long Rifle R 50



A premium match cartridge designed especially for world-class competition. This international record setter is a perfect example of RWS unmatched quality control ...from design to packaging.

#### 22 Long Rifle (Pistol Match)



Offers the smallbore pistol and revolver shooters the same quality and record-setting potential as the RWS smallbore Rifle Match ammunition.

#### 22 Long Rifle MATCH



Tailored for the individual looking for a cartridge specifically tailored for serious practice and day-to-day competition. Ideal for running boar matches and silhouette shooting.

#### 22 Short R25



A highly specialized cartridge for rapid-fire match pistols, combining minimum recoil, positive feed and function with match-winning accuracy.

the Competitive Advantage

### Dynalut Nobel



Dynalut Nobel of America Inc.  
105 Stonehurst Court  
Northvale, N.J. 07647

# HANDGUN RELOADING

BY DAN COTTERMAN

## IS THERE A .32 MAGNUM IN YOUR HANDGUNNING FUTURE?

The dream of a .32 Magnum revolver may yet become a reality. The unfulfilled power potential of the .32 S&W Long can't be reached, simply because of the many weak revolvers currently chambered for it. That's a shame, because the .32 Long holds untold possibilities for supreme target accuracy. Another thing holding back the popularity of the .32 is a lack of good bullets, either in factory ammo, or for handloaders. There is, for example, nothing resembling a good half-jacketed, hollow-pointed, semiwadcutter.

The Smith & Wesson K-32 revolver has to be excluded from talk of low-key revolvers for the .32; but how many K-32s have you seen under glass in the counters of gun dealers recently? There is good reason to miss the K-32, but even that well-made revolver might swell at the joints and give way to rattles if fed a constant diet of blue pill loads.

Going back to the top line, I know I got carried away talking about the possibilities attending the .32 and neglected to mention why a magnumized version may yet become a reality.

As you probably know, this column became a reader-participation affair long ago, when I became aware that it is impossible for one handloader-writer, no matter how dedicated he may be, to bring to the reader a full showing of information and new ideas. The result of this brainstorm has been nothing short of marvelous!

One of the people drawn into this circle of ballistics experimenters is Jack Imsdahl, an accomplished machinist and devout handloader, who lives in College Station, Texas.

Imsdahl picked up the ball with the .32 Magnum, and there are reports that Bill Ruger, at one time, voiced an interest in producing a revolver—with suitable barrel length and sufficient strength—to house such a round. Lately, however, another major manufacturer of handguns has reportedly expressed serious interest in producing the .32 Magnum revolver. This manufacturer shall remain anonymous, for the time being, to avoid embarrassment, should the actual production of a .32 Magnum revolver be deemed inadvisable. It's enough, for now, to say that the .32 Magnum may finally be in the works. It took twenty years of badgering!

We're not as far out on the well-known limb with the .32 Magnum as you might be

inclined to think: there is magnum potential with the much-discussed .45 Auto, too. To prove the idea, here's what Charles D. Melchi, of Midland, Michigan has to say regarding his experiences in handloading for the A.M.T. Long Slide in .45 Auto: "I hope the information I have might help other A.M.T. .45 Long Slide owners. Accuracy is wonderful with this gun, especially the flatness of trajectory, compared to a standard-length .45 auto. I've found that when sighted in for a six-o'clock hold at 25 yards, a dead-bull hold will be spot-on at 50 yards.

"I was experiencing a lot of smokestack jams with my Long Slide, but I traced the problem down to my too-heavy taper crimp. Now, I don't crimp at all (or very lightly if brass fatigue demands it), and my loads run through without a hitch, round after round.

"Hornady 230-grain FMJ bullets are pushed by 9.5 grains of Blue Dot and CCI large primers out of W.C.C. military brass. The slugs pictured, fired from 25 yards out, penetrated the following: a refrigerator door leaning against an old granary, through the four-inch oak planking of the granary wall, another 18 feet through the inside, and buried themselves in a two-inch plank deep enough so that their bases could not be seen. A standard-length .45, a Gold Cup to be exact, tried to duplicate this with standard-load FMJs, (6.5 grains of Unique), but only penetrated the refrigerator door and bounced off the granary wall. Hot loads using 7.8 grains of Unique behind 200-grain cast lead SWCs did only marginally better out of the Gold Cup by burying themselves in the granary wall up to the bases. All this shows that the Long Slide is more or less revolutionary in the long line of .45 autos.

"I know Jim Hoag and others have stretched the old Colt before, but at prices beyond the wallet of the majority of shooters. The A.M.T. does what theirs do for a lot less bucks. It raises the power of our favorite warhorse pistol from only legendary to awesome. When fed properly prepared ammo with a little longer-burning powders than what's been more or less standard (i.e., Unique, 630, etc.), the A.M.T. Long Slide is, in my opinion, the ultimate self-defense pistol available today."

Melchi's information is appreciated. The relationship between barrel length



and the quickness of usable powders applies to all handloading. It's also a good idea to apply considerations of bullet weight, crimp, and ignition duration and intensity when choosing a powder on the basis of its burning rate.

K.I. Morgan of West Vancouver, B.C. says he's never seen mention of Blue Dot in connection with handloading the .45 ACP. Morgan appears to have missed a table of loads that was published here a couple of years back, because among the loads mentioned (25 in all), was 10.2 grains of Blue Dot. This charge was tested in my .45s, both of which have five-inch barrels. I used Remington 2½ primers and Remington brass. The bullet ahead of this Blue Dot charge was Speer's .451", 200-grain JHP. Average velocity in a series of five-shot strings was 1010 fps. The comment at the time was that the fps-per-grain yield was about 100.

Regardless, Morgan involved himself in his own experimenting, which is good. "Results in my gun," he comments, "are superb. I have a Colt Gov't Mk IV, '70 to which I have installed Pachmayr grips and a 20-lb. Wolff recoil spring. I've polished the feed ramp, beveled the magazine entrance, trimmed the hammer to eliminate hand-pinch, and modified the sights (still small and fixed) to center-hit for my eyes. In other words, still a basic stock pistol.

"I had determined Blue Dot to be the

best powder for my S&W .44 Magnum four-inch, yielding 1300+ fps with a 240-grain SWC. When I bought the .45, I figured I might as well try the powder I had. Speer's No. 10 manual says 10.9 grains for their 200-grain JHP, so for the locally-made 190-grain SWC hard-cast bullets I'd bought, I reckoned 10.5 grains of Blue Dot would be a safe start. It was. Speed was a minimum 1050 fps/465 ft. lbs., and accuracy was excellent: 1½ to 2 inches for ten rounds, two-hand supported, and 2½ to 3 inches standing, one-handed, both at 20 meters. Machine resting would probably be about an inch, so I tried varying powder weights, down to 7 grains, and up to 11 grains. Results became increasingly inaccurate with lighter loads running from 4 to 6 inches, benchrest, at 20 meters, and the action wouldn't cycle with the stock 13-lb. spring. The 11-grain maximum load gave a ridiculous 1130 fps/540 ft. lbs., and was still safe and very accurate! I tried Speer's 200-grain JHP with 10.5 grains and got fair accuracy, but high pressure signs and an 875 to 900 fps reading. Obviously, there was a lot more friction in *that* jacketed bullet in *my* gun, so I gave up on them.

"About 95 percent of my shooting is IPSC-style on multiple silhouettes, the rest being bullseye. But if it were legal here to handgun hunt, this Blue Dot load would surely kill a deer at close range. I can easily shoot through four inches of lumber, and

have shot through abandoned junk cars. Any other readers tried Blue Dot with hard-cast bullets?"

Maybe it's just as well that Morgan didn't see anything in print about using Blue Dot; otherwise, he might not have embarked on the interesting testing he's outlined for us!

By the way, Hornady announced a new .45-caliber, 200-grain, JSWC for combat and target shooters about a year ago. Anyone with experience in loading and testing this bullet is welcome to comment.

In the future we'll have more information on the touchy task of proper primer seating, more on the possible (probable?) birth of the .32 Magnum, and other test results from you, the reader.

Readers, I might add, include manufacturers. Yes, friends, they read, and they listen to what we have to say. They're interested in our welfare and how their products are accepted.

The address, if you're interested in taking part in this column, and if you missed it last time around, is Box 222, Pinon Hills, CA 92372.



#### IPSC, PPC & SERVICE GUNS

tailored to your needs

W. R. MOORE

P.O. Box 17252

Pittsburgh, PA 15235

(send sase for prices)

## EVERYTHING YOU NEED TO MANUFACTURE YOUR OWN AMMUNITION IN ONE ECONOMICAL PACKAGE.



Easy, economical, be an expert. The Lyman Expert Kit is the only reloading set that contains the rugged, quick Special-T turret press, Universal case trimmer, No. 55 powder measure, D-7 scale, and eighteen other accessories that will have you reloading easily and quickly. Even the famous Lyman reloading

Handbook and easy set-up instructions are included to help you get precise, quality reloads every time.

The Expert Kit is available in these 10 popular calibers: .223 Rem, .243 Win, .270 Win, 7mm Rem Mag, 30/30, 30/06, 9mm Luger, 38/357, 44 Mag, and .45 ACP.

Ask your dealer to show you the Expert Kit. He's an expert on the Expert.



**Lyman Products Corporation**

Dept. AH7052

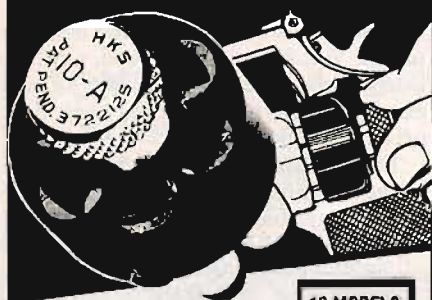
Rt. 147, Middlefield, CT 06455



**HKS**

# REVOLVER SPEED LOADER

•SUPER-FAST  
•SUPER-DEPENDABLE



Over 1 MILLION sold  
to Law Enforcement  
& Gov't. Agencies

16 MODELS  
Only  
**\$650**  
EACH

## LOADS SIX CARTRIDGES INTO REVOLVER- INSTANTLY!

Metal points hold cartridges securely in loader  
...until knob is turned to release them!

• 7 NEW MODELS WITH NO CARTRIDGE JIGGLE  
ARE AVAILABLE IN .38 and .357 ONLY  
• GUARANTEED - ONE FULL YEAR

FOR:

- **SMITH & WESSON** —  
.38-.357, .22 L.R., .22 Mag.,  
.41 Mag., .44 Spec.,  
.44 Mag., 9 mm
- **COLT** — .38-.357, .22
- **RUGER** — .38-.357,  
Security Six, Speed Six
- **DAN WESSON** —  
.38-.357, .22 L.R.
- **CHARTER ARMS** —  
.38, .44 Special

### LEATHER CASES

Model #103 (Double)  
— black, brown or  
tan in Plain, Bas-  
ketweave (shown)  
or Clarino. Nickel,  
Brass or Velcro  
fasteners. Single  
and triple cases  
also available —  
inquire.



AVAILABLE FROM YOUR LOCAL GUN DEALER  
For Information Write

## H.K.S. PRODUCTS

132 FIFTH STREET, DAYTON, KY. 41074

# SILUETAS

PHILIP C. BRIGGS

## BACK TALK ON THE INTERNATIONALS PLUS SOME NEW STUFF FOR SHOOTERS

A couple of issues back I asked readers for their opinions on a permanent site and date for the IHMSA Internationals. Although I didn't get flooded with letters, those I got were thoughtful, and made some good points.

Kurt Williams of Bakersfield, California, felt that a permanent site was needed; he correctly observed that the Internationals have grown too large to allow construction of a new range every year. (There were 16 banks of targets used in 1981, and the minimum requirement for 1982 is 20!)

Danny Reeve of Arendtsville, Pennsylvania, agreed with the need for a permanent site, and went on to point out that with the cost of everything, including travel, going up everyday, that any such site should be centrally located in the U.S. so that every shooter would have an equal opportunity to attend.

Dave Jacob of Sheboygan, Wisconsin, agreed that a central location would be necessary for any permanent site and nominated Camp Perry.

Jerry Quinn of Bridgeport, Connecticut, also felt that a permanent site was a good idea, and went on to suggest that the obvious locational problem could be resolved by using two such sites, similar to what ATA and NSSA do with their claybird championships. Jerry suggested one east, one west, with the locations and dates alternated; a winter date in the southwest, and a summer, family affair, in the northeast. This would, he observed, add variety and interest and allow more people to attend in each two-year period than if one site were selected.

Michael Rydquist, whose address escapes me, echoed the thoughts on a permanent site, but urged that a summer date be selected to allow families to attend, as matches are a family event for the Rydquists.

James Maughan of Westland, Michigan, has the best situation regarding the location of a permanent site. Although he's from the midwest, Maughan thinks the Black Canyon would be acceptable since he often vacations in the west.

Good thoughts all, and those that took the time to write will be pleased to know that there are others thinking like you.

I talked about this same question with Elgin Gates, IHMSA president, just before

writing this, and found out that Elgin and his Executive Committee are having similar thoughts. The sheer size of the event is forcing selection of a permanent site, but it is also working against one location, as the burden on the host club is awesome—too much to expect any one volunteer group to face annually. Every other year would be better, but not much, as the unpleasant memories might still remain; so they are thinking of four sites, two in the east, two in the west, with the thought that any host club(s) could stay that way on a four year rotation. This would also provide the nation's silhouetters the benefit of relatively nearby locations.

Black Canyon and Farragut are the obvious western choices; the eastern sites are not as yet known.

The site of the 1982 Internationals will be known by the time you read this, but at this date all that can be said is that IHMSA is reviewing bids for two sites: on the military base of Quantico, Virginia; and at a new site to be constructed near Fortville, Indiana. One of the attractions of the Indiana site at this time is the opportunity to create a permanent 20 bank range. That's three.

### HORNADY RAMBUSTERS

If you'll remember back to the column on the 1981 Internationals, you may remember my interview with Hornady's Jim Smith. I asked Jim if silhouette was really a big deal. He responded that it was, and had some bullet sales figures to back up his conclusion. This month's mail brought a press release that backs him up.

Federal Cartridge Corporation has just released two new loadings for silhouette—the first *ammunition* (I know of) designed especially for silhouette shooting; one intended just for handgun silhouette. In addition after a lot of years in the primer business, Federal has produced a magnum larger pistol primer “of interest to silhouette shooters.” Gentlemen, we have reached the big time!

The handgun loading is for the most popular handgun silhouette cartridge, the .44 Magnum. This is Federal's third .44 loading, and this one is especially distinctive as it's made up in a nickel-plated case. The bullet is the Sierra 220 grain Silhouette, a truncated-cone, heavily-jack-

*Continued on page 26*



# Customize your own gun with the famous M-S Safari Arms components

At M-S Safari Arms, we are constantly developing custom components for the average shooter/sportsman as well as the true professional. We developed the .45 caliber automatic Enforcer® and MatchMaster® pistols and now, those same custom features are individually available for your own handgun. These parts are designed and priced so that you can

customize your Browning, S&W, or Colt automatic easily and inexpensively with the same professional features that were once only attainable through custom gun mechanics.

All components are supplied in satin finished stainless steel or high luster blue ready for your local gunsmith's installation. **® Enforcer**

▼ **Fixed Rear Sight Set.** No-nonsense front and rear sights designed for fast target acquisition. Provides the proper light gap between front and rear sight. Melted full radius style. Blue or stainless steel. Rear sight fits standard dove tail. \$14.95

▼ **Ambidextrous Combat Slide Release Set.** Now full control of the .45 automatic with the left hand. \$29.50

▼ **Ambidextrous Combat Safety Set.** Full position control with right or left hand. Get the most from your automatic. A must for combat shooters, police officers, and all left handers. Browning High Power: \$39.95 Colt: \$34.95\*

Manufactured under pat. #3492748

▲ **Hammer.** Stainless steel commander style. Designed with enough metal for correct fitting of the sear engagement. \$14.95  
**Combat Style Hammer for Browning High Power, Blue or Stainless.** \$19.95

▲ **Beavertail Grip Safety.** Provides better control of the weapon by spreading recoil over a larger area of the shooter's hand. This reduces apparent recoil and eliminates hammer pinch. Requires minimal frame contouring for a perfect fit. \$18.95

▲ **Extended Combat Safety.** Match proven design assures positive control of safety without having to shift or reposition grip. Browning High Power: \$19.95 Colt \$16.95

▲ **Extended Combat Slide Release.** Now the same technology as applied to the Enforcer parts provides for one hand control during reloading leaving the left hand free to insert a fresh magazine. Browning High Power: \$19.50 Colt: \$17.50

► **Combat Magazine Release.** Designed for rapid use. No drilling or tapping required for easy installation. Blue or Stainless. \$19.95

## Dealer Inquiries Invited

24 HOUR TOLL FREE ORDER DESK



Master Charge  
Visa  
C.O.D. Only  
Call  
Operator 758



National 1-800-824-7888 California only 1-800-852-7777 Alaska & Hawaii 1-800-824-7919



M-S Safari Arms • P.O. Box 23370 • Phoenix, AZ 85063 • (602) 269-7283

► **The Enforcer (3.8" barrel, E-102) or The MatchMaster (5" barrel, E-103.)** Deadly accurate, .45 caliber combat pistols. Loaded with custom features. Available in Armaloy, blue, alloy, or stainless steel finishes. Send \$2.00 for fully illustrated catalog and ordering information.



▲ **Adjustable Rear Sight Set.** Includes front sight. Gives the proper light gap between front and rear sights. Provides shooter with optimum flat sighting surface. Designed for fast sight/target alignment. Blue or stainless steel. Will fit S&W K frame. Standard: \$29.95 Dove tail front: \$34.95

▲ **Ambidextrous Safety Set for S&W Models 39 & 59.** A must for the serious combat shooter, police officer and left handed shooter. \$39.95 Also 400 & 500 series

▲ **Combat Magazine Base Pads.** Available for all Colt, S&W Model 39, S&W Model 59, Browning High Power automatics.

► **Magazine Chute** provides the fastest possible reloading under combat or match conditions. No fitting necessary. Includes 2 base pads. \$9.95



MAIL TO: M-S Safari Arms • Dept. AH-5  
P.O. Box 23370 • Phoenix, AZ 85063

Please enter my order for:

	Quantity:	Quantity:	Quantity:	Total:
	(a) Browning	(b) S&W	(c) Colt	
<input type="checkbox"/> Fixed Rear Sight Set				
<input type="checkbox"/> Standard \$14.95				
<input type="checkbox"/> With front sight ready for insert \$19.95				
<input type="checkbox"/> Ambidextrous Combat Slide Release Set \$29.95				
<input type="checkbox"/> Ambidextrous Combat Safety Set				
<input type="checkbox"/> Browning \$39.95				
<input type="checkbox"/> Colt \$34.95				
<input type="checkbox"/> Hammer (Stainless only) \$14.95				
<input type="checkbox"/> Browning Hi Power Hammer \$19.95				
<input type="checkbox"/> Combat Magazine Release \$19.95				
<input type="checkbox"/> Beavertail Grip Safety \$18.95				
<input type="checkbox"/> Extended Combat Safety				
<input type="checkbox"/> Browning \$19.95				
<input type="checkbox"/> Colt \$16.95				
<input type="checkbox"/> Extended Combat Slide Release				
<input type="checkbox"/> Browning \$19.50				
<input type="checkbox"/> Colt \$17.50				
<input type="checkbox"/> Adjustable Rear Sight Set				
<input type="checkbox"/> Dove Tail Front \$34.95				
<input type="checkbox"/> Standard \$29.95				
<input type="checkbox"/> Magazine Chute \$9.95				
<input type="checkbox"/> Combat Magazine Base Pads \$1.95				
<input type="checkbox"/> Browning				
<input type="checkbox"/> S&W 39				
<input type="checkbox"/> S&W 59				
<input type="checkbox"/> Colt, H.K.;				
<input type="checkbox"/> P9,				
<input type="checkbox"/> P7,				
<input type="checkbox"/> VP 70				
<input type="checkbox"/> Complete M-S Catalog \$2.00				
<input type="checkbox"/> Mast. Chg.				
<input type="checkbox"/> VISA Card				
				Shipping & Handling \$2.00

Date Card Exp. ☐ My Check ☐ My Money Order is enclosed. TOTAL: \$

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_



# GO AHEAD, TAKE A LOOK.

# TAKE ANOTHER LOOK.

Tough. Accurate. Reliable. Precision-built. The smoothest action going. Take a good hard look at the new .44 DA Super Comanche.®  
Go ahead, examine the Smith & Wesson Model 29, the Dan Wesson, the Ruger Redhawk. Now compare the features that make this the standout among all magnums: The precision-lapped, heavyweight bull barrel for target accuracy. The matte finish, ventilated rib for more efficient heat dissipation, less glare and less target mirage. The oversize grip that soaks up recoil, allows for better control and a faster recovery for a second shot. The super-wide trigger for a more comfortable, controlled pull.



The foolproof, eccentric cam system on which the hammer pivots and makes accidental discharge virtually impossible.



The three-point crane/cylinder support for a stronger, more rigid lock-up. Be thorough. Be critical. Once you compare this Llama to any other gun on the market...we're convinced you will come to the same conclusion: Tough yet refined. Massive yet manageable. Power with precision. The smoothest action going.

# LLAMA

The all new Llama .44 DA Super Comanche. It can't be beat.

Illustrated catalog \$2.00. For nearest dealer, call toll free 800-631-0722.  
In N.J. call collect (201) 440-2700 or write:  
**Stoeger Industries**  
55 Ruta Court  
S. Hackensack, N.J. 07606  
**Stoeger Canada, Ltd.**  
165 Idema Road  
Markham, Ontario  
L3R-1A9

Llama .44 DA Super Comanche with 6" and 8 1/2" BBL.



# MASTER TIPS

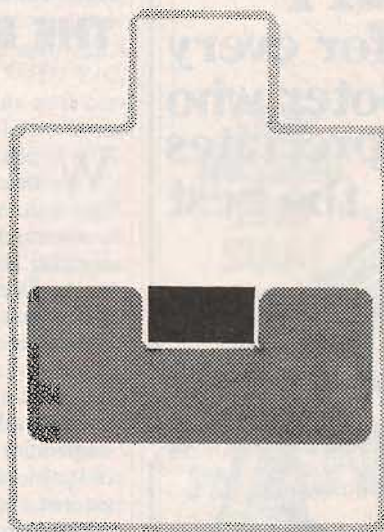
Collected by Jon Winokur

## The Front Sight Is The Key!

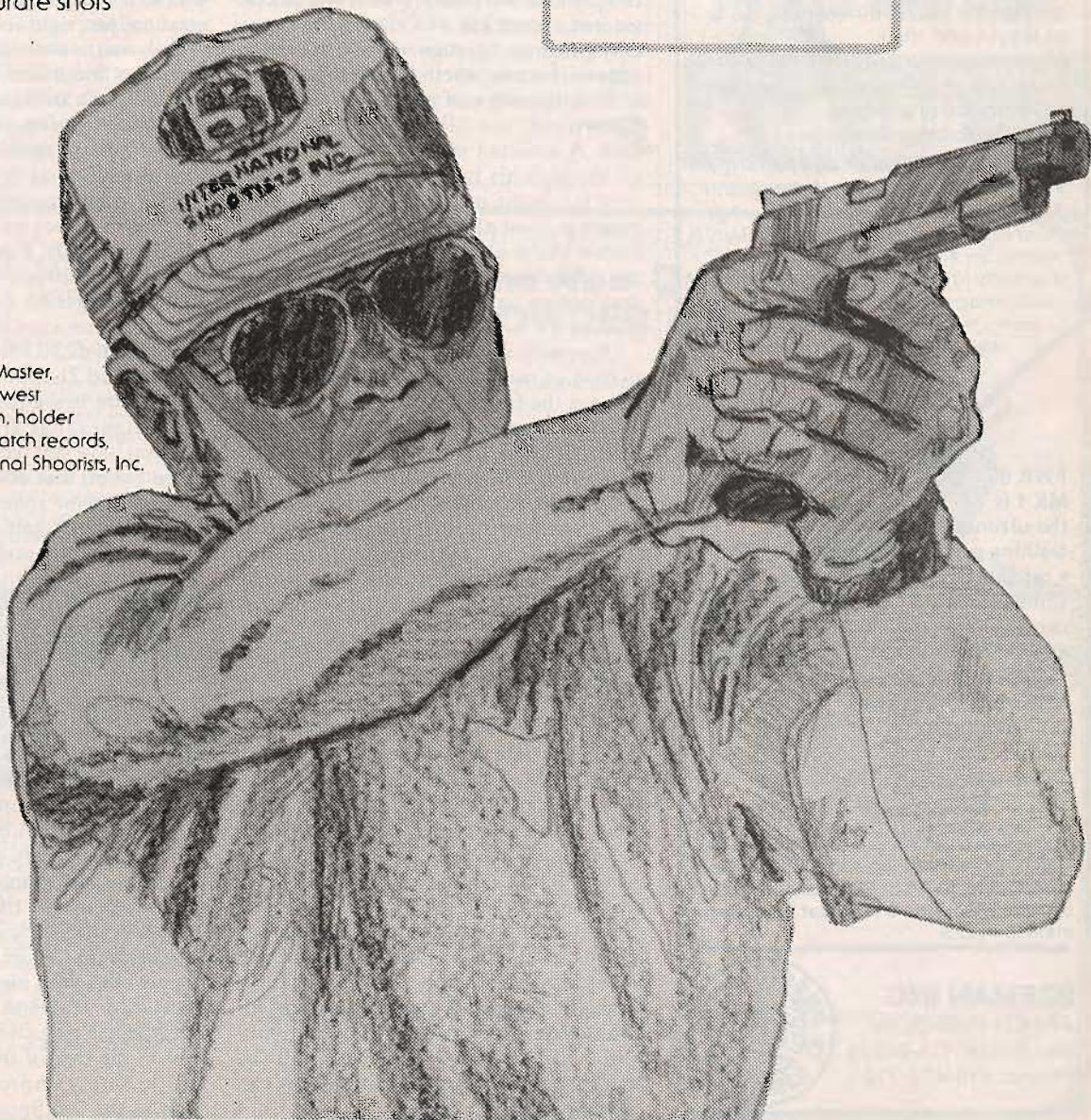
A sharply focused **front** sight is the key to a perfect sight picture.

Because the human eye can focus on only one object at a time, when the eye concentrates on the front sight, the target and rear notch appear slightly fuzzy. (But they're still clear enough to allow precise alignment.)

Remember, don't release the trigger until you have a perfect sight picture: front sight in sharp focus on the target, centered laterally within the rear notch and flush with the top of the rear notch. Accurate shots depend on it.



MIKE DALTON, Combat Master, 1977, '78 and '80 Southwest Pistol League Champion, holder of numerous combat match records, co-founder of International Shootists, Inc.





# Beeman's FWB 80 & 65 MK I

-for every  
shooter who  
appreciates  
the best

FWB 80  
can be  
tailored to a  
shooter's hand.  
• three special  
weights (85, 60,  
and 15 grams)  
attach in various  
combinations to adjust  
balance • trigger adjusts  
to length and angle  
of finger; trigger pull  
from 7 oz. to 36 oz.  
• anatomical grip adjusts  
for different size hands

*Specs Common to FWB 80 and 65 MK I:*  
• incredible 10m accuracy (5-shot groups  
5/100" etc) • two concentric mainsprings  
boost velocity up to 525 fps • recoilless  
mechanism • adjustable match sights  
• virtually lifetime internal lubrication  
and permanent seals • reliable spring-  
piston power • easy side lever cocking  
• no pumping, CO<sub>2</sub>, or valves  
• right and left hand versions  
available

FWB 65  
MK I is  
the ultimate  
training pistol.  
• capable of  
simulating a  
center fire pistol  
• recoilless mode can  
be blocked to simulate  
firearm recoil • trigger  
pull can instantly  
switch from 17.5 oz.  
to standard firearm  
pull of 42 oz. • practice  
for less than 1¢ per shot

Call or write for 92-pg **Adult Airgun Catalog/Gulde**, \$1.50 or **FREE** with mention  
of code HG5. Add \$1 for fast first class  
mailing in U.S.

**BEEMAN INC.**  
47-HG5 Paul Drive  
San Rafael, CA 94903  
Phone: 415-472-7121



## HANDGUN HUNTING

J. D. JONES

### HIGH OR LOW VELOCITY—WHICH IS THE BETTER GAME GETTER?

Which kills best or should we say more efficiently? Further, limit the discussion to handguns and define high and low velocity, then enter the factors of brush bucking ability and variable ranges. Now, we've got a real problem and few answers.

Somewhere along the line someone always injects the variables of hit placement. No doubt about it, it's very important. So let's assume from the beginning that a 50 yard standing broadside clear shot on a whitetail with bullet impact over the heart or lung area will result in what will be considered a clean kill with everything from a .357 Magnum through 458x2". It matters little in this case whether impact is enough to blow his socks off or whether he makes the typical "run till he dies on his feet" dash. A whitetail with any kind of hole at all through his lungs simply isn't going very far. Some occasionally fall without moving; most are down within 50 yards. Some show amazing stamina—or, if the peculiarities of the wound are uncommon—and might make 100 to 200 yards.

Obviously, we want him down and dead as soon as possible. The greater the tissue damage the faster this occurs. A whitetail, in some cover, can be very difficult to find if he can make 100 yards and practically impossible if he gets 200 yards from you. Sometimes, an animal doesn't bleed much, than bleeds profusely. Bleeding stops as the animal is "bled out" but retains enough life to make another few yards. The rule of thumb is, "the quicker he goes down, the easier he is to find."

A deer that lives 30 seconds from bullet impact can cover a lot of territory. With marginal hits, or with cartridges of marginal power, that 30 seconds can be extended to minutes with the predictable result of a lost animal.

I'm a firm believer that the only thing better than a small bore high velocity lightweight bullet is a large bore heavier, higher velocity bullet. Or that a large bore low velocity bullet is bettered by a larger, heavier faster bullet. The harder you hit something the quicker it falls, assuming of course that bullet construction does allow distortion of the bullet, rapid tissue destruction and adequate energy transfer. A .30 spire point F.M.J. that simply punches a .30 (or smaller) hole through an animal isn't an efficient killer.

It boils down to the fact that the bullet must penetrate adequately and, while penetrating, tear up as much tissue as possible. Let's look at a couple of calibers and particular ammo for them. The Remington 125 grain jacketed H.P. is probably the most frangible factory loaded .357 Mag. bullet, a hell of a jackrabbit or groundhog load. In my opinion, it's a lousy game bullet. I've seen some leave the jacket stuck in the hide of a hog at ten yards and others that failed to penetrate over three inches. Fantastic expansion and negligible penetration, just right for varmints.

Silhouette shooting has given the .30 Herrett a real boost. Most .30H ram loads use 150 grain bullets. Great for steel, but they won't open up on game. They are simply pinhole punchers. I'd venture to say I've owned about as many barrels in this caliber as anyone and I simply cannot get the performance out of them that some other writers do. I'm usually shy of their velocities by 200-300 f.p.s. Guess I don't pull the trigger hard enough. The fact remains that an excellent 10" barrel is only going to give 23-2400 f.p.s. with a 110 grain and around 21-2200 with a 125-130 grain bullet. Add in the fact that most bullets in this weight range are made for .30 rifles and you have stiff jacketed, relatively hard cored bullets that do not expand on game. The .30 carbine round nose bullets do not expand well on game from the Herrett; I put one 110 grain carbine RNSP through a Moufflon ram's shoulder. If it hadn't nicked the lower spine he probably would have walked away. Autopsy showed the bullet went above both shoulder blades and simply left a small track through muscle except where it hit the vertebrae. The 110 Speer Varminter H.P. does expand from the Herrett and some of the relatively new 125 grain bullets designed for the .30-30 may well be the right way to go in the Herrett. The new 7mm T/C U will probably be a very poor game cartridge due to its small diameter rifle bullets moving at low (for the rifle bullets) velocity.

Now don't get the idea that simply going to a big bore (.44 or .45) is going to solve the problem. The big bores such as the .44 Special, .45 Colt and .45 A.C.P. simply are not effective on game with round nose bullets. In the case of the .45 A.C.P. it's difficult to safely improve on factory loads such as the 200 Speer, 190 Super Vel and



Remington H.P. loads. Federal loads a semi-wadcutter H.P. for the .45 Colt that is a step in the right direction, but both the .44 Special and .45 Colt only become effective game getters with potent handloads using suitable bullets.

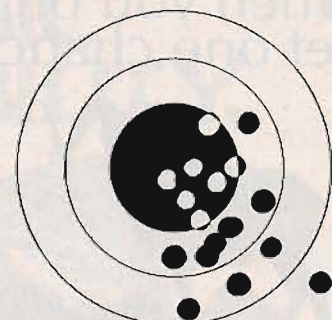
Generally, a loose definition of low velocity ammunition could be applied to straight walled pistol cases and high velocity to bottleneck rifle or rifle type cases. We're obviously not considering cartridges such as the .30 Luger as hunting cartridges.

The low velocity large diameter heavy bullet ammunition in general has adequate penetration for hunting big game although a great variation in ammunition exists. These cartridges are not dependent on bullet expansion to create large, deep wounds. Semi-wadcutter, soft point or hollow point bullets in .44 and .45 caliber do considerable damage as they plow through meat and bone. Naturally, the higher the velocity of the projectile at impact, the greater the amount of damage. Bullet expansion can be considered a bonus.

In the conventional high velocity rounds such as .30 Herrett, .30-30, .357 Herrett and .35 Remington, velocity is usually somewhat higher and these smaller bores are dependent on bullet expansion to create large wounds. Bullet selection in the .30s is critical. The .35s offer a wide variety of bullets that will expand at handgun velocities. A third category consists of

custom barreled handguns, such as the T/C, XP, Wichita and possibly Weatherby, if they decide to build more than a couple hundred bolt guns. The .358 Win. and .308 are probably the best factory cartridges for hunting when chambered in the bolt guns. The SSK Industries, (Rt. 1, Della Dr., Bloomingdale, OH 43910) T/C barrels in .338, .375, .411, .430, .45-70 and .50-70 all generate enough power to take the largest game. In fact, Larry Kelly shot completely through the head of a bull elephant with a 300 grain FMJ from a .375 JDJ T/C.

This third category of guns and cartridges is fast gaining in popularity. Some hunters have little use for single shots in the field; others swear by them. Personally, I use and like both. My choice is usually motivated by the desire to experiment with some particular caliber or bullet. After the past few years of development of high performance cartridges for the single shots and being fully aware of their advantages and limitations, I would choose one of them for game larger than deer. For deer it would still boil down to low velocity woods or high velocity open country cartridges. I would definitely choose a .44 Magnum over a .30 Herrett in the woods and vice versa for open country where I might expect a 150 yard shot. In general though, I like a big hole all the way through and that usually isn't in the cards with small bores.



**STOP  
MISSING  
AND  
START  
SCORING**



**YOU'VE GOT  
THE ANSWER IN THE  
PALM OF YOUR HAND.**

Write today for your free color brochure.



**MUSTANG GRIPS**

27616 Tyler Avenue, Romoland, CA 92380

## Quinetics Comments Concerning Handloading (Number Four in a Series)

Shooting, like most things, takes practice for you to become really good. But shooting practice can be expensive. For example, a 30.06 cartridge now runs about 63¢.

Therefore, many shooters reload their own ammunition, saving brass from spent rounds and buying bullets, powder and primers for reloading. The total cost of these components will run about 19¢ per reloaded 30.06 round . . . a 44¢ savings.

$$\begin{aligned} X &= \text{SAVINGS} \\ 44 &= X\% \text{ of } 63 \\ X &= 69.8\% \end{aligned}$$

But your time is worth money, so reloading is more worthwhile when you are efficient at it. You should be able to reload 100 rounds per hour. In our 30.06 cost example, you save \$44 per hour of time invested, not counting your initial reloading equipment cost.

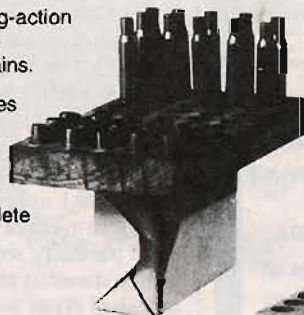
Quinetics makes inexpensive products designed to help you reload efficiently.

If you shoot a lot but don't reload and savings of \$40-plus per hour sound good, consult with your reloading equipment dealer.

If you already reload, but do less than 100 rounds per hour, get your dealer's advice on latest equipment.

## ASK YOUR DEALER ABOUT The New Quinetics POWDER MEASURE

- Volume Adjusting Screw adjusts unit for all charges—all powders. No need for extra components.
- Patented feature provides superior degree of handloading accuracy.
- No spill; no contamination. Use with pistol or rifle powders.
- Special design of spring-action mechanism eliminates shearing of powder grains.
- Saves space—Requires only 18" x 14" table area for entire operation.
- Saves money—Complete Powder Measure only **\$24.95**



Pat. No. 3,808,939



**Quinetics Corp.**

P. O. Box 29007

San Antonio, Texas 78229



When you only  
get one chance



You wait a lifetime for a trophy like this. You're confident because you know your gun and your ammunition. You have loaded it for just the stopping power you need.

As a handloader you have been able to afford that extra practice you need for this shot. Easy now, he's all yours.

When one chance is all you get, you'll be glad you are using Hodgdon Powder.

Hodgdon gives you 22 different powders to choose from, offering you more variety of burning rates than any other brand.

Be it benchrest, trap, skeet or muzzle loading Hodgdon Powder Co. offers you the finest.



#### HODGDON'S DATA MANUAL

- New data on Pyrodex and Black Powder.
- New section—How To Reload For Beginners.
- New format and calibers.
- Information on Rifle, Pistol, Shotgun and Lead Bullet Loads.

**HODGDON POWDER COMPANY**  
7710 West 50 Highway  
Shawnee Mission, Kansas 66202

☐ Please send me \_\_\_\_\_ copies of  
Hodgdon's Data Manual at  
\$4.95 each.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip \_\_\_\_\_

**HODGDON POWDER CO.**  
SHAWNEE MISSION, KANSAS 66202

## SIGHT SETTINGS

LUCY CHAMBLISS

### AT LAST! MEDIA RECOGNITION FOR AMERICAN SHOOTING CHAMPIONS

I recently heard a popular radio commentator tell this story: A songwriter mentioned to Jerome Kern that he had a good theme for a musical. It was about Annie Oakley and the writer called it "Annie Get Your Gun." Kern's negative comment was, "Who wants to see a story about a girl and a gun?" Later Kern died and the determined songwriter took his idea to Irving Berlin where the musical about a girl and a gun became one of the most successful plays and movies of all time. I thought about this story several times as I listened to John Acquilino, NRA's Director of Public Affairs, and to representatives from the advertising firm of Ackerman and McQueen outlining their proposed campaign. The occasion was a joint meeting of the NRA Public Affairs and the Women's committees.

Finally, in October 1981, I was hearing all the hopes, ideas, and suggestions of the past 30 years being presented. Anti-gun lies could, at last, be beaten with the truth that nice people, famous personalities and outstanding Americans enjoy hunting and gun collecting. In addition, the long neglected world class athletes who compete in the sport of shooting would receive recognition. I remember my hopeless frustration in 1978 during an NRA Pistol Committee meeting, a month after the 42nd World Shooting Championships where Kim Dyer had won the World's Women's Pistol Championship! I could not believe this honor, which had come to the U.S. through the shooting of an attractive female, hadn't been blazed across wire services for newspapers and radio; or why she wasn't being paraded across TV interview shows that hosted other sports celebrities? As I asked why the NRA wasn't doing something to capitalize on such good publicity, some directors on the committee stared at me as if I were speaking in a dialect from southern Mars. One very old thinker(?), who has since retired, suggested we all go home and tell our local newspapers about Kim. Several times before I had received such "creative" advice; on the occasion of Margaret Murdock's Olympic triumph and when numerous male International winnings were being ignored. I won't waste the publisher's paper and ink by dwelling on such absurd thinking. A national and international sport being promoted by its participants telling their local newspapers! It's the

NRA Public Affairs Department (governed by directors) responsibility to educate the public and make the shooting sports appeal to a national audience.

This new leadership in the person of John Acquilino has grasped that responsibility with enthusiasm, ability and understanding not seen around the NRA in decades. Beginning and sustaining such a campaign has long been one of our best means of refuting the lies promulgated about shooting.

I hope at this writing the campaign has survived the Finance Committee and the Board of Directors and is in operation.

NRA shooters received another bonus in the appointment of John Grubar as Director of Competitions. John's knowledge, patience, and energy can finally be fully utilized as head of NRA Competitions. NRA staffers are long suffering experts who rarely get the thanks due them.

I enjoyed Walter Leonetti's article in the January/February issue of *A.H.*, "Flying with Handguns." Ol' Lucy told you in the summer of 1980 your firearms had to go in checked baggage. One airline captain replied to my column, saying he takes shooter's guns on his flight deck and I just wasn't riding the right airline. Getting firearms through the security check made the captain's suggestion unrealistic and he probably meant well, but you ain't legally taking those guns anywhere around an airliner except in checked baggage, and you'd better declare them then. As Walter pointed out, most airlines now put the vivid orange-red tab labeling your valuable guns inside the suitcase, where it is not screaming "Take me!" to every baggage handler. Perhaps paying off a few thousand dollars in theft claims prompted that common sense.

Near the end of last summer I drove to Ft. Benning, Ga., and shot an excellently conducted Preliminary Tryout, sponsored by the base rifle and pistol club. The vast range facilities made it possible to shoot air pistol on the indoor range in the morning, my .22 match at 1:00 PM and start my two-hour trip home at 3:30. These tryouts were run for about 6 months under the directorship of Capt. John Smith, a member of the USAMTU and International team. His eagerness to get a competitor scheduled to shoot, instead of sitting around for a two-day match, while the expense "meter" runs, should be copied everywhere. Hope-



fully, John will continue these tournaments in '82. It's getting back to the former policy that lets civilians use these beautiful tax built military ranges. Such ranges are well located throughout the U.S., and, if used, can cut down on travel expenses.

This mere mention of the air pistol brings me to my next column, "Why Do I Hate the Air Pistol? Oh Let Me Count the Ways." I have seen strong men, wearing a Ranger insignia, shoot 590 over the International Rapid Fire Course and then beg their team captain, with tears in their eyes (small exaggeration, perhaps), not to make them shoot that "damned air pistol match!" Why is this popgun so disliked? Some say it has all the warmth, understanding, and forgiveness of your mistakes when shot in the offhand position. If a handgunner enjoyed that kind of brutality, he'd be a rifle shooter. My views won't be those of a World Champion Air Pistol shooter, but those of one who has some trouble with the intolerable Feinwerkbau. After slugging away with it for ten years, I see little relief in sight from its demand for perfection. Also, I will go over the Daisy Power Line .177 pistol. I recently tried one and my findings probably won't surprise you.



**DISCOVER  
RELOADING**

# CLASSIC BERETTABILITY.



## MODEL 92S 9MM PARABELLUM

Autoloading ability at its best. Every detail Beretta-engineered for fast action, supreme accuracy, durability and fire-power. ■ Double action, semi-automatic ■ 15 round magazine ■ Weight: 34 ozs. Length: 8 1/4" Barrel: 4.9" ■ Comfortable black plastic or optional wood grips ■ "Hammer Drop" manual safety on slide ■ Extractor with chamber loaded indicator ■ Slide stop positioned for quick thumb release



At your sporting arms dealer, or write Beretta U.S.A. for the dealer in your area.



**Beretta U.S.A.**

Beretta U.S.A. Corp.  
17601 Indian Head Highway  
Accokeek, Maryland 20607

*on target*

**FOR HUNTING  
AND COMPETITION**



**-CALIBER**

**SINGLE SHOT PRECISION PISTOL  
WITH INTERCHANGEABLE BARRELS**

This versatile new American-made single shot is available in .22, .22 mag, .357 mag, and .44 mag. Octagonal barrels are offered in 8-inch or 10-inch lengths. Rear sights are fully adjustable. Barrel drilled for scope mounts. Exotic wood grip and forearm. Firing pin is easily switched from center fire to rim fire.

**STERLING  
ARMS  
CORP.**

THE PISTOL PEOPLE

P.O. Box 484, Lockport, N.Y. 14094

Write for complete catalog. Please enclose 50 cents for mailing.







\$16.95 POSTPAID IN 48.

**"PRIME-LABEL"**  
Reload Marker

ROGCHILD, INC. BOX 1336  
CLARKSBURG, WV 26301

A Superior Design that offers MORE  
Quality, Comfort & Custom Fit

**Silencio**  
**MAGNUM**

For More  
Information  
Contact:

Safety Direct, Inc.  
23 Snider Way  
Sparks, NV 89431

ADVANCED HEARING PROTECTOR

**NEW FOR '82**  
**SWENSIGHT**



**\$29.95**

PAT. PEND

A low profile fixed rear sight for all Colt Government Model and Commander, G.I. issue 1911 and 1911-A1 and the Browning Hi-Power. Shrouds the rear of the slide affording a clean, combat sight picture. Adjusts for windage and requires some fitting. Comes with complete instructions for installation.



**LEFT  
HANDERS**

PATENTED

**\$40.00**

The original patented Swenson Ambidextrous safety, for use on all Colt Government Models, Gold Cup, Ace, National Match, Mark IV Series, Commander and USA G.I. issue 1911 and 1911-A1, plus all copies of these firearms. Easily installed with some fitting required and converts the thumb safety to lefthand operation. Comes with complete instructions for easy installation.

**RIGHT HANDERS**

For use on the above models and simply replaces the issue or factory thumb safety.



**\$26.50**

Add \$1.50 to all above prices to cover postage and handling. California residents add 6% sales tax. Please remit money orders or cashiers checks only, NO C.O.D.s PLEASE.

DEALER INQUIRIES INVITED.

**SWENSON'S .45 SHOP**

P.O. BOX 606-AH • FALLBROOK, CA 92028  
TELEPHONE (714) 728-5319

# COMBAT COURSE

**STANLEY W. TRZONIEC**

## LIFE SAVING LESSONS FROM THE LETHAL FORCE INSTITUTE

After the incident, I went to the men's room, washed out my pants, then went home for a clean uniform." This ended a hair-raising story a deputy sheriff from Virginia told us at Massad Ayoob's Lethal Force School in New Hampshire.

The officer in question always unloaded his weapon before escorting prisoners into the courtroom, and he does carry a back-

shown, with some modifications, only as a refresher course in those positions deemed necessary in close combat. What you are here to learn is how to protect yourself and your loved ones not only in your home, but also on the streets. Aggressiveness is taught, only to a reasonable degree. There are times when it's best to retreat. Yes, retreat, especially when your wife and chil-



up piece, but let's get back to the story.

As the other deputy turned his back, a prisoner grabbed this officer's weapon. Pointing it at him at point blank range, he said a few unmentionable words, then dropped the hammer! One helluva scary situation, even if the gun was empty.

The other nine fellows in the class remained silent for what seemed like minutes. Everyone, including myself, put himself in that confrontation. How would you have handled it or, worse yet, what would you do if that gun were loaded?

All ten students had come to Ayoob's school to hear the answer to that and hundreds of other questions pertaining to advance techniques of lethal self-defense.

Termed the Gravest Extreme Training Program, the course is an extensive forty hours of training in basic self-defense skills. It is designed to prepare the individual for the proper reaction when the time comes to protect himself (or his family) from the ultimate threat; then do so by returning deadly force via his firearm.

Let's make it clear that this is not a pistol craft school. The basics of shooting are

dren surround you and there is a real danger of putting their lives in jeopardy.

It wasn't five minutes into the course when Ayoob stated, with fists banging on the table as if to drive the point home, that the taking of a human life is a totally "unnatural" act. "You are not here to learn how to 'shoot thy neighbor,' but how to 'protect thy self from thy neighbor.'"

Students are taught that the gun is a piece of emergency equipment to be used only in time of mortal danger when the situation cannot be reversed. Then, and only then, the way out is an armed conflict.

Massad sprinkled the lectures with some statistics: "14 out of 15 times the criminal will retreat at the sight of a gun, however you might be that 15th time. You have to be prepared to stand your ground and neutralize him on the spot. No warning will come, your assailant has no moral code to fight clean. He will try every dirty trick in the book, and you had better be ready."

The men then learned that all situations could be boiled down into four conditions. Mental Attitude was first, and was nothing more than your own positive attitude and



determination when facing a difficult situation. Tactical Understanding was next, and dealt with your movements, cover, knowledge of the house layout and the correct approach. Combative Handgun Skills came third and demonstrated how you should handle your gun in a tense moment. Last, Weapons, Ammunition and Accessories were covered for a general understanding that all parts now come together to equal a whole.

Fifty percent of the course is classroom work. This accounts for all lecture time, question and answer sessions, and audio/visual presentations. Slides and movies are shown with great detail emphasized in all phases. Gun handling, various positions and Shoot-No Shoot movies are shown to demonstrate quick but cautious reaction time.

Ten percent of the time is spent on tactics. Cover, concealment, and home search techniques are covered so you are not caught off guard by the intruder.

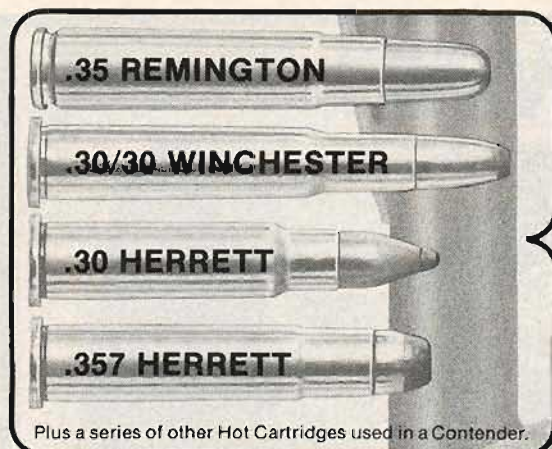
The last forty percent is range shooting which includes rapid fire techniques, night shooting, and isometric positions for quicker, more accurate return of fire in any encounter. There were many interesting topics covered and this short report will attempt to outline only a few of them.

One that I found particularly interesting was on the subject titled "The Principles of Situational Dominance." Here, Massad gave us the simple and fast rules of tactics: Hold your ground; the defender (you) has the advantage. Wait your turn, the intruder will eventually come to you. By going after him you not only blow your cover, but you are falling into his plans to take your "castle." Remember, he can hear every move you make; he will hide and wait, then pounce on you when you get into range.

This type of a feeling puts you in complete control of any situation. Not only do you feel better about it, but your confidence level jumps 100 percent! Remember too, if this fellow broke into your house and knew it was occupied, there has to be something wrong with this man and chances are pretty good he is there to do you harm and go for broke doing it. Then, and only then, deadly force can be used as this situation is now utterly grave.

Other little tidbits of info were also offered: that a gun used wrong will (or can) get you into more trouble than one used the right way; that a gun without extra ammo is not a gun anymore when empty—get two guns for the bedroom; what to say on the phone when calling the police; the words to use when confronting this intruder; the moral decision you must make when the intruder goes down.

Other subjects included the choice of arms, calibers, shooting positions, holsters, post shooting trauma, legal matters, custom guns, etc. At the completion of the course a test is given before any student receives a certificate. →



**WHAT HAPPENS  
WHEN YOU  
LOAD & FIRE  
THESE  
CARTRIDGES  
IN A  
SCOPE  
MOUNTED**

## CONTENDER

**The hunting effect is rather devastating. A Mulie or Whitetail will crumble with the first well placed shot. A Pronghorn will turn into trophyville—but one thing for sure, you won't be picking up lens and scope parts if you read this ad and follow through!**

# NEW!

## RP SCOPE SERIES FROM THOMPSON/CENTER ARMS

Granted, we created a problem for scope designers by building the world's leading hunting handgun and offering it in a series of "block busting" calibers. Now, we also offer a full line of long eye relief handgun scopes which will stand up to the shock of recoil produced by these calibers.

Factory tested at 1400 G's, extensively field tested and backed by a Lifetime Warranty, our **RECOIL PROOF SERIES** in 1.5X, 2.5X, 3X and 4X offer advantages which are too extensive to be covered by this one ad — so write for our descriptive brochure. **No, they don't just fit Contenders.** They can be mounted on Rugers, Smiths, Colts or any other brand of handgun which adapts to 1" ring requirements.

**Write FOR FREE  
CATALOG AND  
BROCHURE**

Receive our four color scope brochure and 34 page catalog and read our story — you'll be glad you did!

## THOMPSON/CENTER ARMS

Farmington, Road, Dept. TAH 5  
Rochester, New Hampshire 03867





# LIGHTNING GRIPS

NEW FROM BIANCHI

Patented.  
Other Patents  
Pending.

## "LIGHTNING"™

Grips for Revolvers

Model #650 S&W Chief Spl.,  
M36, M60

Model #655 S&W "K" M19,  
M10 Round

- Shrouded Hammer • Finger Grooves • Molded Rubber Construction • Speed Loader Clearance • Single Action Capability • Flat Compact Design • Hand Filling Shape • Checkered Palm Swells

\$23.00 ea. plus \$1.00 postage & handling.  
CA Res. add 6% Sales Tax.

SPECIAL  
"Dished" area  
for quick and  
easy magazine  
button release.

Full  
Shrouded  
Hammer

## "LIGHTNING"™

Grips for Autos

Model #660 Colt "Government"  
45 Auto; Colt "Commander."

- Flat Compact Design • Deep Finger Grooves • Hand Filling Shape • Left Panel Specially "Dished" for Quick Magazine Button Release

\$24.00 ea. plus \$1.00 postage & handling.  
CA Res. add 6% Sales Tax.

**REDUCES RECOIL • IMPROVES ACCURACY**

At Bianchi Authorized Dealers Worldwide.



Write  
Today for Full  
Color Catalog  
(send \$1.00)



**BIANCHI**  
GUNLEATHER™

100 Calle Cortez, Dept. AH-582 Temecula, California 92390

Was I impressed with Massad Ayoob's presentation? In one word, yes! This man has studied hundreds of gun fighting cases and interviewed many eyewitnesses to such encounters. He knows his ground and covers it well. Massad is a good teacher and keeps his class enthralled the whole forty hours.

This type of course should have been offered years ago but now it's here and I urge all of you out there who can afford the time to attend it. Besides the time, you'll need \$250.00 for the tuition, a good quality handgun, concealment holster gear, 500 full power loads, extra magazines or speedloaders, and a strong flashlight. Finally, a letter of reference is needed from a police official or practicing attorney as a prerequisite to the course.

For detailed information contact Mr. Massad Ayoob, Director of the Lethal Force Institute, P.O. Box 122, Concord, N.Y. 03301. Classes are kept small (10 to 12) to promote individualized instruction, so plan early and give alternate dates where possible.



## SILUETAS

*Continued from page 16*

eted bullet with a small lead exposure on the flat point. Use of somebody else's bullet is unusual for ammo manufacturers, but Federal has been using Sierra bullets for some time in their premium ammo. That they selected this bullet for this loading means they are serious about this offering.

The load is reported to deliver 1,510 fps from the muzzle of a 10½ inch revolver barrel and, out at 200 meters, to have retained 1,050 fps. For the 220 grain bullet that figures out to a momentum of 1.03 pound-seconds on the rams, which far exceeds the reliable knockdown level of .6-.7 p-s, and should be ample for these tough targets. I've not shot any of the new ammo yet, but if it's as accurate as Federal's current 180 and 240 grain offerings, it should be a winner.

The other loading is for a cartridge I expect may well become the most popular handgun silhouette cartridge, the .22 Long Rifle. The load is not aimed at pistol shooters only though, as 22LR rifle competition is growing, and the publicity photos include a rifle. Even so, this is a round the rimfire handgun guys should look at.

Federal says the round is "designed to provide the optimum balance between accuracy and energy (energy? energy!—I thought everybody knew momentum was the measure of knockdown) for the growing sport of small bore metallic silhouette shooting." The cartridge is of standard velocity (1150 fps) and uses a 40 grain lead bullet.

# The Magnificent Beretta

MINX .22 SHORT

JETFIRE .25 CAL.

No extractor -  
blow back  
action -  
only pistol  
with instant  
breech cleaning -  
double safety  
features.

Minx M2—Cal. 22 short. Overall Length 4½",  
Length of barrel 2½" ... Weight 10 ozs... 6 shots...  
Thumb safety... Half cock safety

Jetfire—Cal. 25... Overall Length 4½"... Length of  
barrel 2½" ... Weight 8 ozs ... 8 shots ... Thumb  
safety... Half cock safety



Galef COMPANION folding single with ventilated rib.  
Here's an outstanding all purpose shotgun. Tang safety, 12  
and 20 gauge chambered for 3" magnum, suitable for 2¾"  
shells. Also 16 and 28 gauge for 2¾", 410 gauge for 3" and  
2½" shells. Hand checkered rolled engraved receiver.

Distributed exclusively by

**J.L. GALEF & SON INC.**

For full details write Dept. D-5

and include your dealer's name and address.

85 Chambers Street, New York, N.Y. 10007



## NRA RULES CHANGE

The IHMSA members made some relatively minor changes in their rules for 1982, but the NRA silhouette committee this past October really set its version of the long range match on a new course—and I'm not so sure the changes are for the better.

Standing is now open to any pistol that weighs 4.5 pounds or less and has a barrel length and sight radius of 15 inches or less. Scopes are allowed at club option.

Conventional Freestyle is limited to essentially unmodified conventional (production) pistols as before, but the freestyle positions are limited. All supine positions, Creedmoor, sidewinder, or your favorite, are prohibited. In addition, if you shoot prone your hands aren't allowed to touch the ground!

Unlimited continues as before—all positions are allowed. (As long as the barrel length exceeds 12 inches?)

If that's not enough, the half-size, hunters-pistol targets are to be used for Conventional and Unlimited pistol competition. The full size targets are still OK for standing.

Looks strange to me. The committee has made standing easier and the freestyle classes harder. There are now two different kinds of freestyle (Conventional and Unlimited) and two different kinds of targets (Standing and the rest). You'll have to have a funny gun to be competitive in standing and be a top shooter to bust many targets in the other two classes.

Looks to me like a solution to a problem that didn't exist.

What do you think? Write to me at P. O. Box 22074, Phoenix, AZ 85028 and let me know.



## PISTOLSMITHING

*Continued from page 12*

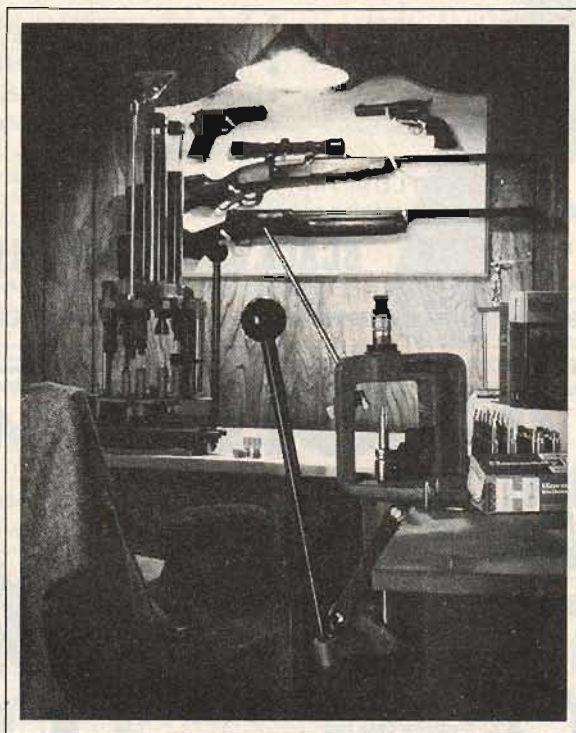
problems for customer good will or to expedite matters. But, don't take advantage of this; today, this is an industry-wide problem, though everyone seems to pretend it doesn't exist.

### BOTCHED JOBS

Tread lightly here. After WW-II, the American Rifleman ran a blacklist of 'smiths whose obvious incompetence could cause NRA members problems. Today, a large lawsuit could result from just telling a friend about what you consider bad gunsmithing. Always call your gunsmith, tell him about the trouble, and ask him to explain or correct the problem.

### BLUNT TALK

A pistol may function flawlessly with test loads in the hands of your pistolsmith, but be subject to jams, malfunctions and scattered groups in yours. Always suspect the quality of your ammunition first. Less



# The fun of a gun.

**Y**ou hear a lot of bad things about guns these days. Very little about how much pure enjoyment they can be. We'd like to help change that. By introducing you to reloading.

Reloading is a practical way to broaden your outlook about hunting and the shooting sports. Because it makes them less expensive, easier to enjoy...and makes getting ready half the fun. Reloading lets you get more out of shooting...because you're putting more of yourself into it.

And we should know. Pacific Reloading Equipment has been helping Americans discover more about the fun of a gun for over a half a century. Very few hobbies can pay for themselves...but there's one waiting for you at your Pacific Dealer.



• Hornady Pacific Frontier •

See your **Pacific** Dealer  
for your share of the fun.

Pacific Tool Co., Box 2048, Grand Island, NE 68802-2048, Div. of Hornady Mfg. Co.



Treat your guns to the amazing

Vacuum Teflon® Process

## MASTER SHIELD

### • PERMANENT PROTECTION FOR ALL HANDGUNS •

- Totally eliminates the need to oil your gun
- Easier cleaning - surface dirt and powder residue simply wipes off
- Reduces leading
- Eliminates rusting
- Smooths action
- Not a surface coating so it can't wear off
- Warranted for the life of your gun
- Does not alter the finish
- Improves functioning of auto pistols
- Minimizes wear of critical internal parts
- Proven in the field

LOW COST LIFETIME PROTECTION FOR ONLY  
\$34.95 plus \$2.00 shipping and handling per handgun

DEALER INQUIRIES INVITED

## BLACK SHEEP ENTERPRISES

\*TEFLON IS A U.S. REGISTERED TRADEMARK OF THE DU PONT CO. FOR FLUOROCARBON RESINS. P.O. BOX 717, SAUGUS, CA 91350, 805/255-0857

than specified load levels, the wrong sizing die for your barrel diameter, lack of a taper crimp or use of the wrong bullet alloy may be the real culprit. Top-notch shooters have to be top-notch handloaders. Most of the accuracy complaints today, in a properly accurized pistol, are caused by use of bullets cast from modern wheel weight metal; it contains contaminants that don't fill out a mold. The result is a bullet that gyrates in flight.

### TAKE A PRINTER TO LUNCH

Linotype metal, or better still, foundry type, makes the best cast autoloading pistol bullets. Now that printers have changed over industry-wide to computer set cold type, print shops can often be persuaded to part with obsolete metal type, elrod and lino slugs, and they all cast up into accurate bullets.

### COP TALK

*Continued from page 6*

*put him out of range of my buckshot through an Improved Cylinder or Cylinder choke.*

*My supervisor says I can carry a .223 that will be rendered safe in our Lecco dashboard locks. As you know, the Lecco puts steel jaws between a pump shotgun's slide handle and its receiver, and if the chamber is empty, the slide can't be racked and the gun can't be fired inside the lock. The .223 rifles, with their receiver-mounted operating handles, could be fired while in the lock. Does anyone make a dashboard lock in which a .223 rifle could safely be carried in the patrol car?*

**Cop in the Sticks**

I know of no one who makes a dashboard lock for .223 or 7.62mm. assault rifles. However, you might want to try the 5.56mm. HK93 in an existing Lecco or S&W dashboard lock. The operating handle on these Heckler and Koch rifles folds up alongside the left of the fore-end instead of the right side of the receiver, and could be blocked by the steel jaws. Some modification to the fore-end, or to the jaws of the lock, might be necessary.

### COMPACT NEOPRENE GRIPS

*I agree with you that Pachmayr Compacs give far superior controllability of my S&W Bodyguard .38 snubby. However, they're just big enough to catch on the inside of my pants cuffs when drawing from my ankle holster. Any suggestions?*

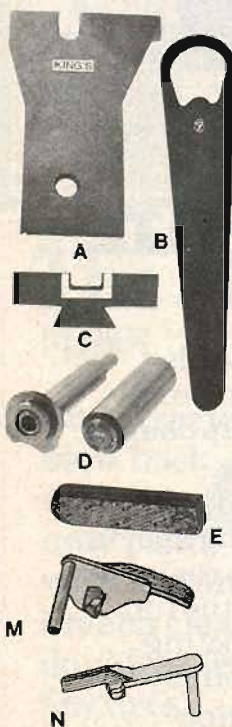
**Vermont Bellygunner**

You can either grind your Pachmayrs flat on the sides and take a little off the bottom (being sure to wear a filtration mask to protect against the black dust), or invest in a set of the new Sile grips. They are flatter and more compact than the Pachmayr, still comfortable, and have quasi-finger grooves that a lot of shooters like.

### BERETTA VS. BROWNING

*I understand that the Beretta 84 in .380 is the same gun as the Browning BDA .380. I*

# CUSTOM PARTS



- A. King's Arsenal Type Staking Tool for King's, Micro, Bomar front sights ..... 18.50
- B. King's Bushing Wrench ..... 3.00
- C. King's White Outline Blade will fit Ruger, Colt, Micro sights ..... 5.50
- D. King's Recoil Buffer & Heavy Duty Plug Set for Colt 45 Auto; 416 stainless steel, RC 30-35 (specify Government or Commander) ... 25.00
- E. Magazine Base Pad ..... 1.95
- F. King's Wide Combat Grip Safety - no alteration to frame (specify Gov't or Commander) ... 22.50
- G. King's Recoil Spring Guides; 416 stainless steel, ground, heat treated finish (specify Government or Commander) ..... 24.00
- H. King's Trigger Boot for Colt 45 Auto, acts as stop, Gold Cup Width ..... 12.00
- I. King's Target Bushing (blued), 45, 38, 9mm. 8.50
- J. King's N.M. Bushing; 416 stainless steel RC30-35; 45, 38, 9mm ..... 15.00
- K. King-Tappan Combat Sight, the famous original for Colt 45 Auto ..... Set 29.00
- L. King Hard Ball Sight ..... Set 18.00
- M. King's Hard Ball w/White Outline. Set 21.00
- N. King's Combat Speed Safety ..... 18.00
- O. King's Extended Slide Stop ..... 30.00
- P. King's Recoil Compensator - with National Match Bushing, machined from one piece. 416 stainless RC30-35 for 45 Autos. Must be fitted ..... 32.00
- Q. King's Ramp Kit - specify color: Red, Orange, Yellow or White: Standard, one color, 1/4 oz. material, will do 25 sights, standard accessories ..... 9.95  
Deluxe, one color, 1/4 oz. material, will do 50 sights, deluxe accessories ..... 20.00
- R. King's Custom Narrow Slot Grips Screws 416 stainless ..... 1.25 (Also available in blue finish)

Gunsmiths inquire about quantity prices

**Gunsmithing at its finest!** Have your Colt Auto or ours customized as only King's can do it! We've been satisfying our customers nationwide for over 30 years! Inquire for prices.



For inquiries, send self-addressed stamped envelope to:

**KING'S GUN WORKS** 1837 W. Glenoaks Blvd. • Glendale, CA 91201 • (213) 956-6010

COD (Cash Only), MASTER CARD, VISA ACCEPTED.

\*CA. RESIDENTS ADD 6%. SHIPPING & HANDLING 1.50.

Please give street address for shipping as we prefer to ship UPS although we will ship by U.S. Postal Service if necessary.  
A cashier's check or money order will speed up

your order as personal checks must clear before order is sent.

If amount for shipping and handling is not adequate, the balance will be sent COD (Cash Only).



like the idea of a compact, 14-shot off-duty gun. Does one brand have any advantages over the other?

Bay State Cop

If you're happy with a .380, you certainly want the 14 shots either of these guns give you. Both are superbly made by Beretta. The one they build for Browning has an S&W-type safety, which allows for a safe hammer drop when you want to carry in double-action mode with a round in the chamber, while Beretta's own has a Colt-type safety. I favor the latter since I'm into Colt-type guns, but for most people, who carry in the DA mode, the hammer-drop feature is highly desirable.

Both guns have phenomenal accuracy—probably the best available in .380 caliber—plus superb reliability and recoil that reminds you of a .22. If you don't mind the bulk of the fat grip, it's hard to go wrong with either. Select on the basis of which safety is more natural for you—the Beretta if you carry cocked and locked, the Browning if you'll be carrying hammer down on a live round.

#### CONTROLLING .357 RECOIL

*My duty gun is a 4" S&W Model 66 .357 Combat Magnum. I carry it with 158-gr. jacketed hollowpoints. My problem: I can't qualify with the Magnum load. Any suggestions?*

Mississippian

First, get some rubbery stuff between your hand and the gun: Pachmayr's neoprene Presentation grips, or Mustang's even softer (and finger-grooved) RangeField. It softens kick more than a recoil pad does on a shotgun. There's no rough checkering to tear up your hand, and the grip isn't shaped to crawl downward in your hand with each shot the way the factory Combat Magnum stocks are. Take a solid hold, and you can fire six Magnums without having to re-grip your gun, something most men have to do when firing with factory wood stocks.

Also, the use of 125-grain jacketed hollowpoint .357 ammo (if your department allows it) will cut your recoil considerably compared to 158-grain. It also delivers a much more potent anti-personnel performance.

Finally, if your agency allows it, go to the 4" S&W Highway Patrolman Model 28—a much bigger .357 that absorbs Magnum recoil much more comfortably, and with more gun stamina.

#### GUN SIZE?

*I'm appalled at your reference to issuing K-frame revolvers to a department because it has women and small men on the job who can't handle big guns. I think the big S&W M/28 is the ultimate service .357. If somebody isn't big enough to handle the issued equipment, he should get out of the job!*

Southern Cop

Affirmative Action hiring is a fact of life in law enforcement. The M/28 is my

*Continued on page 46*

# MONOGRIP®

Made for:

■ S & W: Sq. Butt K, L & N; Rd. Butt J

■ COLT PYTHON (I Frame)

■ RUGER: Security-Six\*, Police

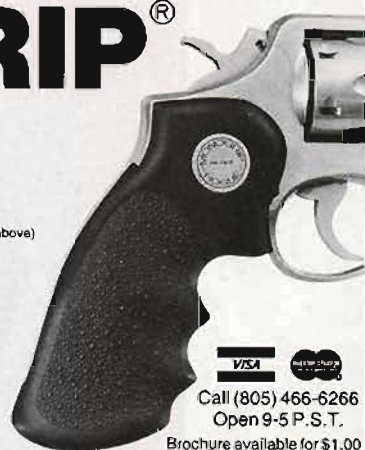
Service Six\*, Speed Six\*. \*(Post 1976 serial numbers 151 and above)

MONOGRIP® features include: Unique, ONE-PIECE construction • Hogue's famed orthopedic hand fit • Fully relieved for all speed loaders Exclusive COBBLESTONE® finish

**\$1895** Check or money order plus \$2.00 postage & handling (California residents add 6% sales tax.)

**HOGUE®**  
**COMBAT GRIPS**  
P.O. Box 2036  
Dept. AH 2B  
Atascadero, CA 93423

• 100% reinforced Nylon—No cheap plastics.



Call (805) 466-6266  
Open 9-5 P.S.T.

Brochure available for \$1.00

## COMPETITION PROVEN Wilson Combat™ SHOK-BUFF™

Used & recommended by the following top IPSC competitors—  
Raul Wallers, MO Ken Hackathorn, OH Mike Dalton, CA  
John Shaw, TN Ross Seyfried, CO Ray Neal, CA  
Bill Wilson, AR Ray Chapman, MO

Proven to withstand the test of competition & drastically reduce the battering of slide & frame on .45 autos.

No. 2 Kit (2 buffers & 1 HD recoil spg.) govt. or comm. \$5.50

No. 2B Buffers only (pkg. of 6) \$5.50

No. 2T Target Kit (2 buffers & 1 reduced power recoil spg.) govt. or GC \$5.50

No. 2D Deluxe Kit (5 buffers, 2 HD recoil springs & 1 EP firing pin spg.) govt. or comm. \$12.95

Order direct. Check, Money Order or COD accepted. Add \$2.50 per order postage & handling.

### WILSON COMBAT

Route 3, Box 211-D, Berryville, AR 72616

Phone 501-545-3618 — Dealers Inquire

## 4 Great Holsters!

### PERFECT fit for your REVOLVER

Each holster wet-molded under 5,400 PSI pressure to actual make, model, barrel length. Made from superb hand selected, hand rubbed top grain cowhide. Available unlined or lined with sueded leather to speed draw, pamper gun. Smooth Russet finish. For 2, 4 or 6 in. revolvers. Model BB.

**\$22<sup>95</sup>**  
lined  
\$29.95



### GUARANTEED to fit YOUR GUN

Over 100 sizes in stock, to fit 99% of all guns made since 1861! Each holster blocked to make, model, barrel length. Proven design, patented years ago. Holster snaps off belt loop for convenience, safety. Best 9 oz. top grain cowhide in Russet or Black, smooth or basketweave. Model H.

**\$13<sup>95</sup>**  
Black  
\$14.65



**\$29<sup>95</sup>**

over 4" bbl. \$31.95

### America's No. 1 SHOULDER holster

Secret agent design for maximum concealment. Fits all but a few unusual guns. Gun grip bulge eliminated by cross-strap on front, plus loop on holster bottom that snaps to belt. Spring clip holds gun secure, allows quick release. Oil finish leather. For lined holster add \$9.00. Model K.



**\$16<sup>65</sup>**

### Lightest, most secure ANKLE holster

Secured two ways from shifting. 1. By elastic "sa-spend-er" above. 2. By padded strap at holster. Both Velcro closing, adjustable. Gun held secure but releases quick by thumb-brake snap. Smooth tan cowhide. Order Ankle.

Made for .25, .32, .380 and dbl bbl Remington-style Deringer and 2 in. small frame revolvers

With "sa-spend-er" \$21.45

Available from dealers or direct from maker. When ordering (1) state holster model (2) state make, model, bbl. length of handgun (3) state color, Model H. \*Add \$2.00 per holster for hdlg. & shpg. \*Get Brauer mini-catalog \$1.00. \*Send check or M.O., no C.O.D. \*Missouri, add 5% tax. \*Money back if not satisfied.

## BRAUER BROS. MFG.®

Dept. AH-5, 2012 Washington, St. Louis, Mo. 63103



# TEST REPORT



After more than 400 rounds were fired, the bearing surfaces showed only a slight burnishing, visible on the rails.

**By Karl Bosselmann**

Shooters have, for years, been plagued with the problem of lubricating their firearms. Some have found relief with the myriad of greases and liquid oils offered, but even the best of these have drawbacks; if nothing else, they must be reapplied with regular frequency.

But now there exists a (dry) solid film lubricant which promises that, after its application, the gun "... may never require lubrication." The substance is Electrofilm #5306. It is offered by Electrofilm, Inc., 27727 Avenue Scott, Valencia, CA 91355.

The process, applicable to all gun metals, is a combination of old and new. The base coat is the familiar phosphate (Parakerizing) which offers corrosion resistance (in excess of 240 hours in a salt fog exposure). This builds up a .0003-inch coating. It provides an excellent surface for the adhesion of the top coat. The lubrication coat, applied to the phosphate, is a combination of lubricating pigments, low-temperature curing resin and molybdenum disulfide.

Electrofilm claims the following for their Lubri-Bond gun treatment:

- Super smooth action on all mechanisms.
- Dust and dirt will not stick.
- Permanent lubrication without the use of oil.
- Corrosion resistant that meets military specs.

Our tests were conducted on two .45 auto pistols. The first gun was an AMT long slide Hardballer, purchased new in February of 1981. The gun had 590 rounds through it with the lubrication provided by a combination lithium/vegetable mixture.

The second gun was a Colt Gold Cup, purchased new in April, 1981. It had been touched up and altered for defense, per my article "Gold Cup to Combat" (Sept/Oct, 1981, *American Handgunner*). Both the Colt and the Hardballer were assembled, after the Lubri-Bond application, without wiping or smoothing any of the surfaces.

I had checked the force required to hand-cycle the slide of the Hardballer be-

fore the application and found that it required 17½ lbs. (hammer down, no magazine and empty chamber). Immediately after the Lubri-Bond treatment, the force went up to 22½ lbs. But after 400 rounds and some hand cycling, the force required settled down to a comfortable 16 lbs.

Shooting the Hardballer, now covered with the medium-gray coating, proved to me that as good as this coating may be, some attention to the feed system must be given by the shooter. Using a load consisting of a 230 gr. round nose, hard cast bullet and 5.7 grs. of #231, we found that there were continual feeding failures. Using fine steel wool on both the barrel and frame ramps, we smoothed them to the point where, while none of the coating was removed, consistent feeding was achieved. By the 104th round, we noticed much smoother functioning, and the metal contact points were polished bright. At 150 rounds, the action was very smooth, and no galling implications were noted. At 200 rounds the pistol was dismantled and ex-

AMT Long Slide

# LUB

Two-In-One Application





Hardballer with Lubri-Bond medium-gray coating.

# LUBRI-BOND

**Offers Corrosion Resistance plus Lubrication.**

amined for wear. The only evidence that the gun had been fired was a burnishing of the Electrofilm coating.

The following day the pistol was buried in a waterhole, after mud was poured into the mechanism, and left submerged for one hour. The gun was field stripped, sloshed about in muddy water, re-assembled and hand-cycled 25 times in the puddle. The gun was then fired and submerged after every 15 rounds. The cycling was rougher because of the grit in the mechanism, but after 455 rounds there were no malfunctions. I was impressed.

To gauge the resiliency of the Electrofilm coating, the Hardballer was run in and out of a very tight, rough leather holster 250 times. Only slight low-key burnishing was noted on the contact edges. (A similar test with a factory blued Colt Government Model showed the bluing wore completely off of the same contact edges—with only 90 runs in and out of the holster!)

The firing test of the Gold Cup

developed several problems with feeding, sear slipping and binding of the collet barrel bushing. We noticed a slight build-up of the Electrofilm finish on the full-cock notch, and as soon as this was smooth, the problem was solved. We then replaced the collet-type barrel bushing with a solid type, and all of the slide sticking was gone. At about 200 rounds the operation of the pistol, was smooth, easy, and positive.

The Colt was then hand-cycled 100 times—50 times dry and uncleaned, and 50 times after being submerged repeatedly in water. These firing tests used 200 gr. Speer HP, 230 gr. Hornady FP and 230 gr. Federal RN ammo. After a total of 350 rounds, the Colt was functioning without a bobble.

All of our testing was stopped at this point. The serviceability of the Electrofilm process will be discovered in military tests now being conducted, and by the long time use of shooters.

We found that before application of the Electrofilm finish, all working (mating)

surfaces should be well polished, and all stippling or checkering should be done before the finish is applied. After the application of Electrofilm, the working surfaces must once again be polished with a fine steel wool—not enough to go through the surface, but enough to take off any excess film and smooth out the surfaces.

The Performance of Electrofilm #5306 during my test program was well beyond my expectations. As of this writing I can recommend it highly. I am especially elated over the fact that this lubricant can be applied over stainless steel.

Editor's Note: The current price for application of Lubri-Bond to a owner-disassembled handgun is \$39.00, with a 5-6 day turnaround. Those who would prefer to do their own guns may try the same process without the phosphate base, by using the Lubri-Bond kit; it contains the solid film lubricant (air-dried) and a degreaser, and is available at retail gun shops or directly from Electrofilm, Inc.







**TEST  
REPORT**

**S&W  
3"**

# **MODEL 13**

S&W's "FBI gun" proved popular with cops and will be catalog item in 1982

*By Richard Aaron*

For as long as most of us can remember, the standard American "hideout" gun has been the two-inch .38 Special.

Certainly, the short-barreled guns have served us well over the years, but our insistence on carrying them as opposed to longer-barreled personal defense weapons has been more a decision of the heart than the head—at least that's what the armorers tell us.

The fact is that while the two-inch .38 Spl. revolver can be a very effective weapon at short ranges, its accuracy is relatively poor and its modest loads are far from the most potent aggressor-stopping ammunition.

Most European law enforcement and

protective agencies never were much enchanted with the American snubby and ultimately moved to the 9mm autoloader. However, those European agencies that did prefer revolvers went for longer barrels and larger frames.

In the 1960s, for example, the French government ordered a batch of 3-inch S&W Model 19s for government agencies and the U.K. followed with orders for 3-inch Model 10s.

These agencies had discovered two basic truths: (1) Adding an extra inch to a two-inch barrel makes a three-incher produce a quantum jump in accuracy and muzzle velocity; and (2) A three-inch revolver is no more difficult to conceal than its two-inch



counterpart because cylinder bulk and grip design, rather than length, are the primary factors in concealment.

In the late seventies modest stirrings toward 3-inch, medium frame handguns were felt in the U.S. Ruger made significant inroads with its 2¼-inch Security Six, probably because some plain clothes law enforcement types with their traditional two-inch, small-frame .38s were beginning to feel a bit out-gunned by the bad guys who were carrying all sorts of big-bore, long-barrel hardware.

For some departments (and individuals) the pendulum swung completely. Four- and six-inch, large frame .357s began to appear under ill-fitting sport jackets and suit coats.

About this time the FBI was exploring the idea of a new, more powerful, issue revolver and its armorers stepped into the two-three-four inch controversy. Smith & Wesson had already produced limited quantities of a three-inch version of its Model 13, round-butt, K-frame .357 on special order and showed it to the FBI. (The 3-inch Model 13 had never been listed as a "production" gun in the Smith catalog.)

Both the FBI and Secret Service liked the short Model 13 and the government orders for the weapon began. Public announcement of the "new FBI gun" orders came last summer and a flurry of interest by other law enforcement agencies and the general public led Smith to add the gun to its 1982 commercial line.

#### Specifications 3-INCH S&W MODEL 13

Caliber: .357 Magnum; .38 Special  
Action: Double-action revolver  
Capacity: 6-shot  
Barrel: 3-inch bull  
Weight: 32-oz  
Sights: Fixed  
Grips: Checkered walnut  
Finish: Bright blue  
Price: \$190.50

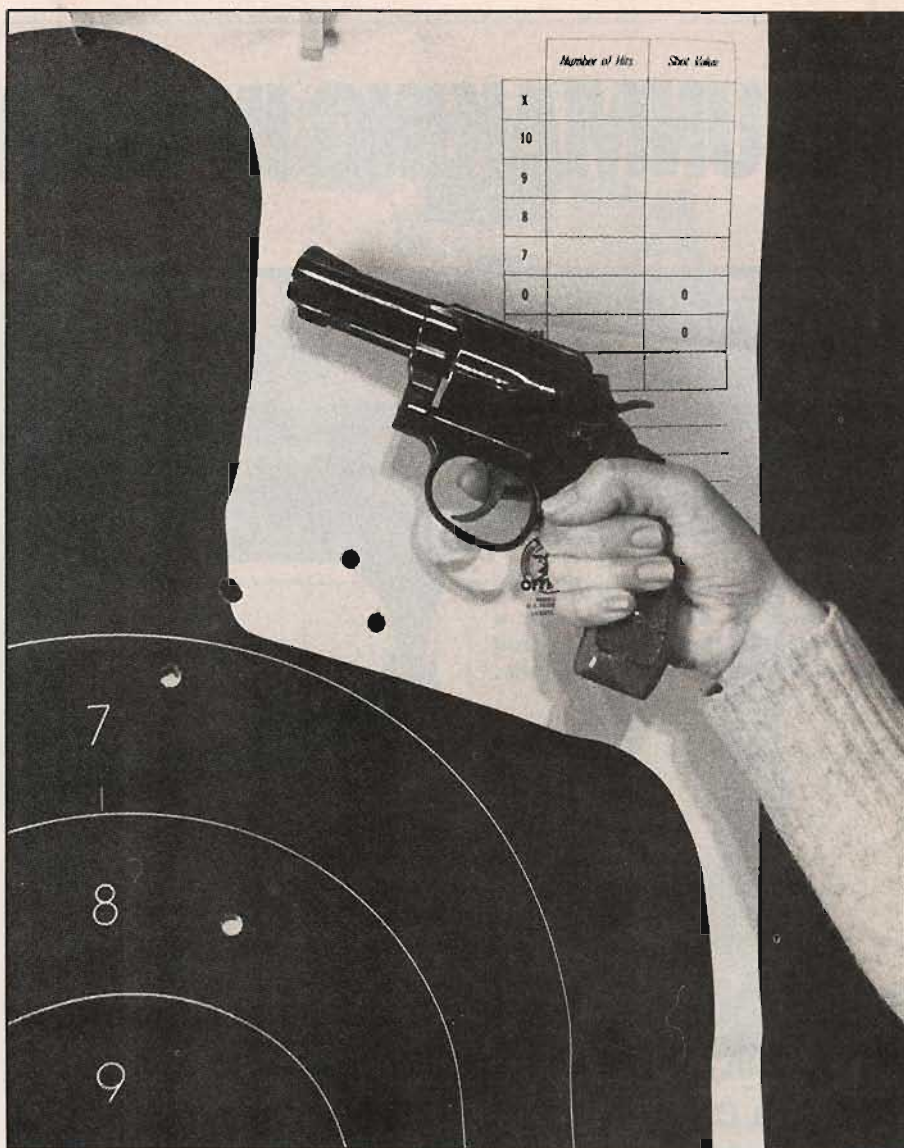
#### WORKING WITH THE MODEL 13

We had the opportunity to work with the 3-inch Model 13 for three months. During that period it was tested by over 30 police officers in three Connecticut departments, and another dozen or so PPC shooters who used it for range practice and, in two cases, for local competition.

Our "FBI Gun," as it came to be known, digested over 1500 rounds. About 500 rounds were factory-load .357 SWC and the rest covered the full range of available .38 Spl. loads from S&W 95-grain Nyclads to a variety of jacketed +P loads.

Smith's basic design concept for the Model 13 was to produce dependable, accurate, concealable power. To this end, we think, the Springfield armorers were totally successful.

The Model 13 is a round-butt, K-frame with a 3-inch bull barrel, shrouded ejector rod, and fixed sights.



**Don't be deceived, this is not an N frame, but the Model 13 in the hands of a petite young lady. Heavy 3" barrel lessens muzzle lift in recoil.**

Our Model 13 came out of the box with an action that was custom smooth, although Smith assured us that it was "right off the line."

When cocked, there was no detectable play in the cylinder or trigger. Timing was perfect and there was no detectable aft movement of the trigger after hammer release.

After 500 rounds of standard load .38 Special 158 grain ball ammunition and 200 rounds of factory loaded .357, the cylinder had loosened slightly to produce a barely perceptible movement and the action had lost some of its buttery smoothness. In other words, the hammering it took during the initial test had reduced its action to what we'd consider normal out-of-the-box S&W performance.

The Model 13's internal workings seemed to settle in at that point and showed no further deterioration even after the 1500th round.

The factory grips are standard "service" checkered walnut grips. Their design creates maximum concealment, but most

shooters simply didn't like them. The most common comment was that there wasn't enough grip to keep the gun from rotating in the hand with rapid double-action fire.

About halfway through the test we replaced the factory grips with Pachmayr round-butt combat grips, and they did the trick.

Average double-action, rapid fire groups at 50 feet shrunk from eight inches to five inches and single-action groups ranged from two to three inches.

The heavy, bull-barrel and the relatively light frame create a somewhat nose-heavy feel, but that turns out to be an important plus. Recoil with full magnum loads seems to have a large rearward action rather than a strong rotational movement.

The only negative comment we received on the 3-inch Model 13's accuracy has to do with the round-top rear sight. The sight is rounded, of course, to keep it from catching on clothing. (Besides, in combat, the shooter rarely has the opportunity to take a careful bead on his target.)

*Continued on page 70*



# GUNMAKING IN LLAMA LAND



*The new Llama "Omni" D.A. auto in 9mm and .45 ACP. It features a ball bearing hammer plunger and two-piece, ball joint firing pin.*

## Modern manufacturing processes combine with quality control in these Spanish handgun offerings

*By J.D. Jones*

I was fortunate enough to have the opportunity to visit Llama-Gabilondo Y Cia. S.A. (Llama, pronounced YaMa) in Vitoria, Spain recently. To say that I was impressed with this modern factory, employing the latest technology in manufacturing, would be an understatement.

Llama markets a full line of revolvers and auto pistols from .22 through .45 Auto and as large as .44 Magnum in revolvers. Stoeger Industries, 55 Ruta Court, Dept. AH, S. Hackensack, NJ 07606, is the sole importer/distributor of the Llama line.

Llama has imported an extensive line of revolvers and auto pistols and that market has been well established for years and is growing daily.

Of major interest personally during my factory visit were the new design revolver and auto pistol. First though, here's a look at the factory:

In today's market you simply can't compete without an "edge" in manufacturing. With today's technology this means investment casting of parts suitable to this man-

ufacturing process. Highly sophisticated X-Ray and measuring equipment to maintain high standards of quality control in parts examination is necessary. New, accurate tape and electronic controlled automated machining equipment is necessary to provide the high output of parts of iden-



*Gabilondo plant in Vitoria, Spain has modern manufacturing facilities.*

tical size required to compete in today's mass production era. Modern heat treating facilities are a must.

Final assembly of the Llama pistols is done by a large work force on a one-at-a-time basis. I was impressed by the fact that each individual assembler-gunsmith had almost exactly the same set-up and tool arrangement as Pachmayr Gun Works gunsmiths have. Observation of these highly skilled individuals indicated they work as they should—assembling, checking, testing as required to put together a gun within the range of tolerances provided for that particular firearm.

The production facility was impressive. Not being very familiar with the actual processes of investment casting, I found this area particularly fascinating.

Frankly, quality control was awesome. I had the distinct impression that here was a quality assurance program that meant business. Obviously, a photo of an employee gauging a hammer isn't startling, but it is overwhelming to see it happening



on a continual basis all over a plant the size of Llama.

On display was production capability for several hundred thousand handguns annually. Manufacturers don't keep on making guns if they aren't selling them.

I found the U.S. is, by far, Llama's largest market for sporting handguns. The backbone of this firearms firm—as with the great majority of handgun-oriented plants—is with police and military markets. Llama is one of the largest producers of military and police handguns in the world. This is a tough, competitive market, requiring exceptional quality. Llama prefers the U.S. sporting market and does not try to compete in the U.S. in police or military sales. The list of countries whose armies and law enforcement agencies have adopted Llama pistols is staggering.

Llama has a new revolver and auto pistol of conventional, yet progressive design, a subtle melding of time-proven basic principals of reliable firearms design with a touch of modern upgrading. The revolver has, for example, the general appearance of a S&W with a vent rib. The action, however, employs both conventional revolver parts and a new hammer that operates on an eccentric, which allows it to move up and down in the frame as well as back and forth. A new safety feature, incorporated into the action, achieves a lighter double-action pull without sacrifice of lock time or reliable ignition.

The bore is drilled, reamed and rifled with three broaches. This results in an extremely smooth bore. A new machine was in the process of being installed to further lap or hone (translation problems) the bores to achieve the smoothest surfaces of any handgun made in the world, according to a factory spokesman. Prior to this operation, the Llama bores appeared at least equal to any I've ever seen in a handgun.

The auto pistol is a new, racy appearing gun of essentially conventional, proven design. The gun looks fast—sleek in appearance, nothing to drag or snag on clothing, double-action, external hammer, barrel to slide lock-up, decent combat type sights—and is available in 10- and 14-shot versions. The 9mm version will be produced first, then the .45.

Two notable features are the single-row feed or even the 14-shot magazine which will aid in functional reliability and the positive lock in place by a latch of the slide stop. The positive latch slide stop is important. I've had it work out under recoil causing malfunctions in Colt 1911s. This cannot happen in the new Llama design. It's slick.

Shooting the new guns at a 20-meter indoor range doesn't tell much as far as I'm concerned, but it does give a general impression of what to expect in handling of the guns.

The revolver is slightly larger than a M-29, but not so massive as a Dan Wesson or Redhawk. It appears to be put together

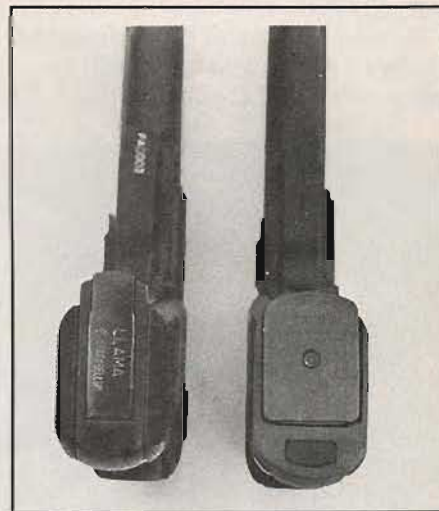
*Continued on page 75*



**Large frame Super Comanche revolver is available in .44 Magnum or .357 Magnum, in three barrel lengths. It has an eccentric cam safety device.**



**Autoloader frames show configuration of 14-shot, above and 10-shot below.**



**Unusual grip design accommodates both 10 and 14 shot magazine capacities.**



**Shooting the Llama 9mm, the author found it surprisingly compact for a military-police handgun. Watch for full test report in a future issue.**



## HANDGUNNER PREVIEW

# \$2,000 on Cooper to Win

Dornaus & Dixon Enterprises, Inc. appear to be committed to producing Jeff Cooper's dream gun—a 10mm combat auto pistol that he hopes will be the heir apparent to the Colt .45 auto. Production guns are not in the immediate future, mainly, I assume, because it takes a lot of money to tool up for a new gun.

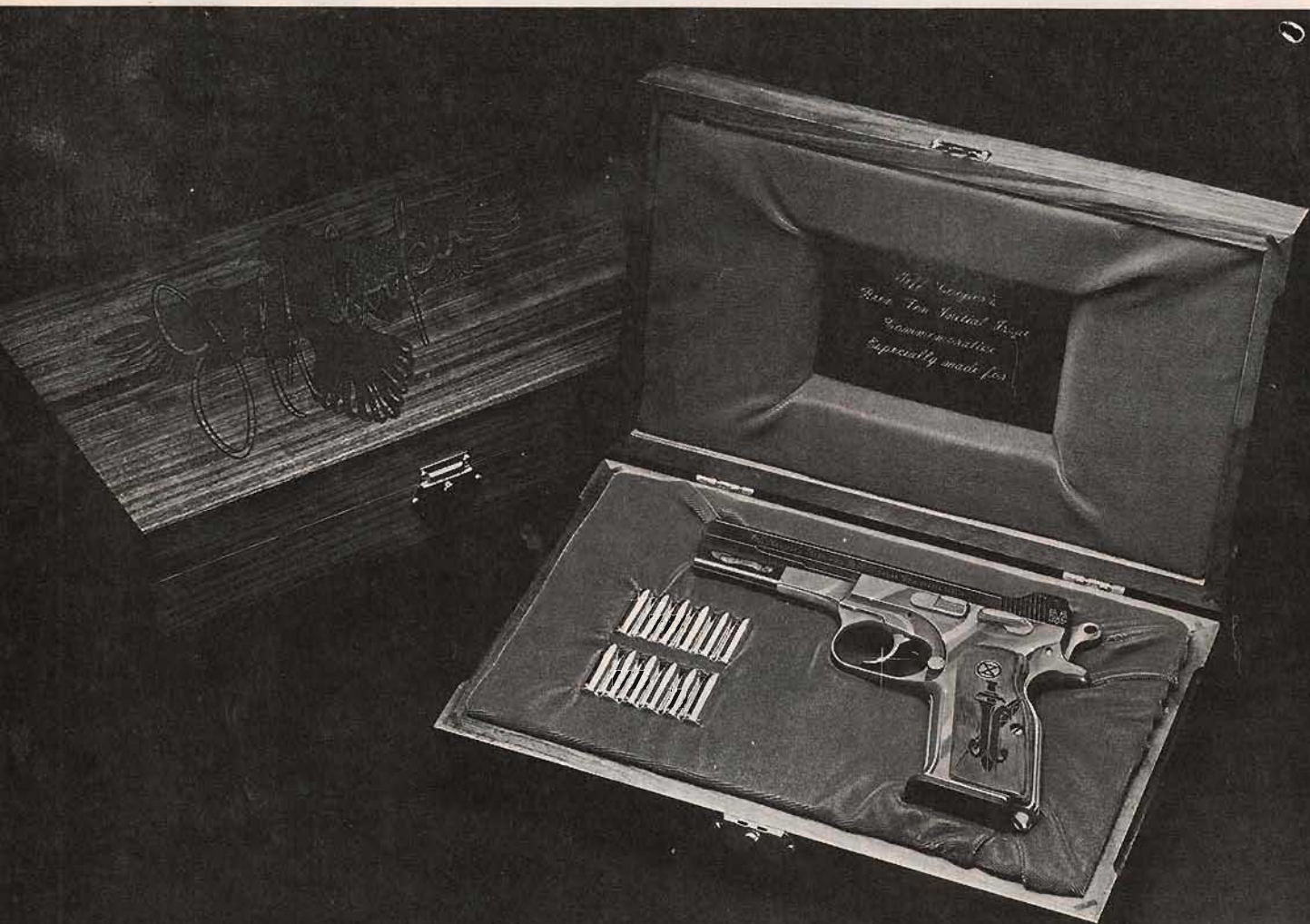
Thus, the recent announcement of a special edition of the Bren Ten. The price, \$2,000. Delivery dates to be announced once a minimum number of orders are received.

To those unaware of the features of the Bren Ten, it is a selective SA/DA with a stainless frame, owner reversible thumb safety, and 12-round capacity. The proposed 10mm

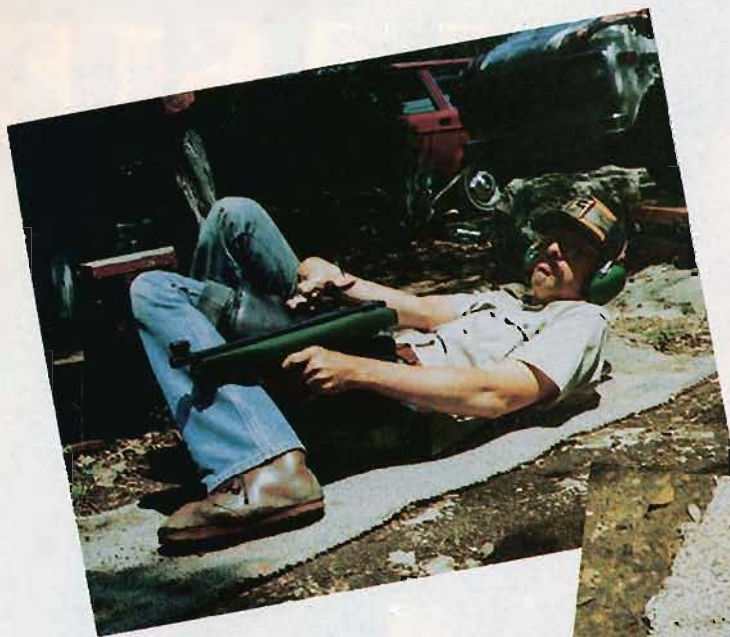
cartridge is said to deliver a MV of 1100 to 1200 fps and a muzzle energy of 538 to 640 ft. lbs with a 200 grain JTC bullet.

The special edition, or "Jeff Cooper's Bren Ten Initial Issue Commemorative," as Dornaus & Dixon call it, will be all gussied up with a high polish finish; 22k gold lettering; laser-engraved stocks; two high-polish stainless magazines, and much more. All of this in a custom case. Included is a scroll signed by Chairman Jeff.

The ordering procedures are too complicated to detail here, but full information can be obtained by contacting: Dornaus & Dixon, 16718 Judy Way, Cerritos, CA, 90701







**Handicapped shooter  
now has an XP  
that is a real ram-buster**



# A **REPEATING** UNLIMITED?

*By J.D. Rader*

For these past few months I've been shooting and getting acquainted with a new Unlimited pistol. It's a center-grip, clip-fed five-shot, bolt-action which, as far as I know, makes it the first of its kind.

I have been shooting Unlimited Class since 1977 with a S&W Model 29 with 8½-inch barrel because I have full use of only one hand and can't load a single-shot pistol fast enough to get off five shots in 2½ minutes. Although I have a few trophies to remind me of lucky days, matching a revolver against a full-blown unlimited is "a hard fight with a short stick."

Over the years, I've considered a number of possibilities. Perhaps a customized, unlimited version of a revolver or Auto-mag. However, neither has the accuracy potential offered by a bolt action. The

optimum seemed to be a clip-fed, bolt-action repeater in some reasonably efficient caliber. I'm uncomfortable with a rear grip, so a center grip was required to accommodate my regular reclining shooting position.

Finding a gunsmith interested enough to attempt such a project wasn't much of a problem. I'd met Richard King back in '76 at one of Elmer Keith's bull sessions. He had invited me to my first silhouette match—the second ever held at Arlington Sportsman's Club—and we've been shooting buddies ever since. Besides being a pretty fair handgunner and one of the Southwest's leading rifle silhouette competitors, Richard is a well known silhouette gun builder. He always has a stack of gun orders. But he was willing, as a

friend, to devote countless hours helping me design and build a pistol that suited my needs. Now that it's built, he has the distinction, along with veterans of the Great Depression, of having worked for less than a dollar an hour.

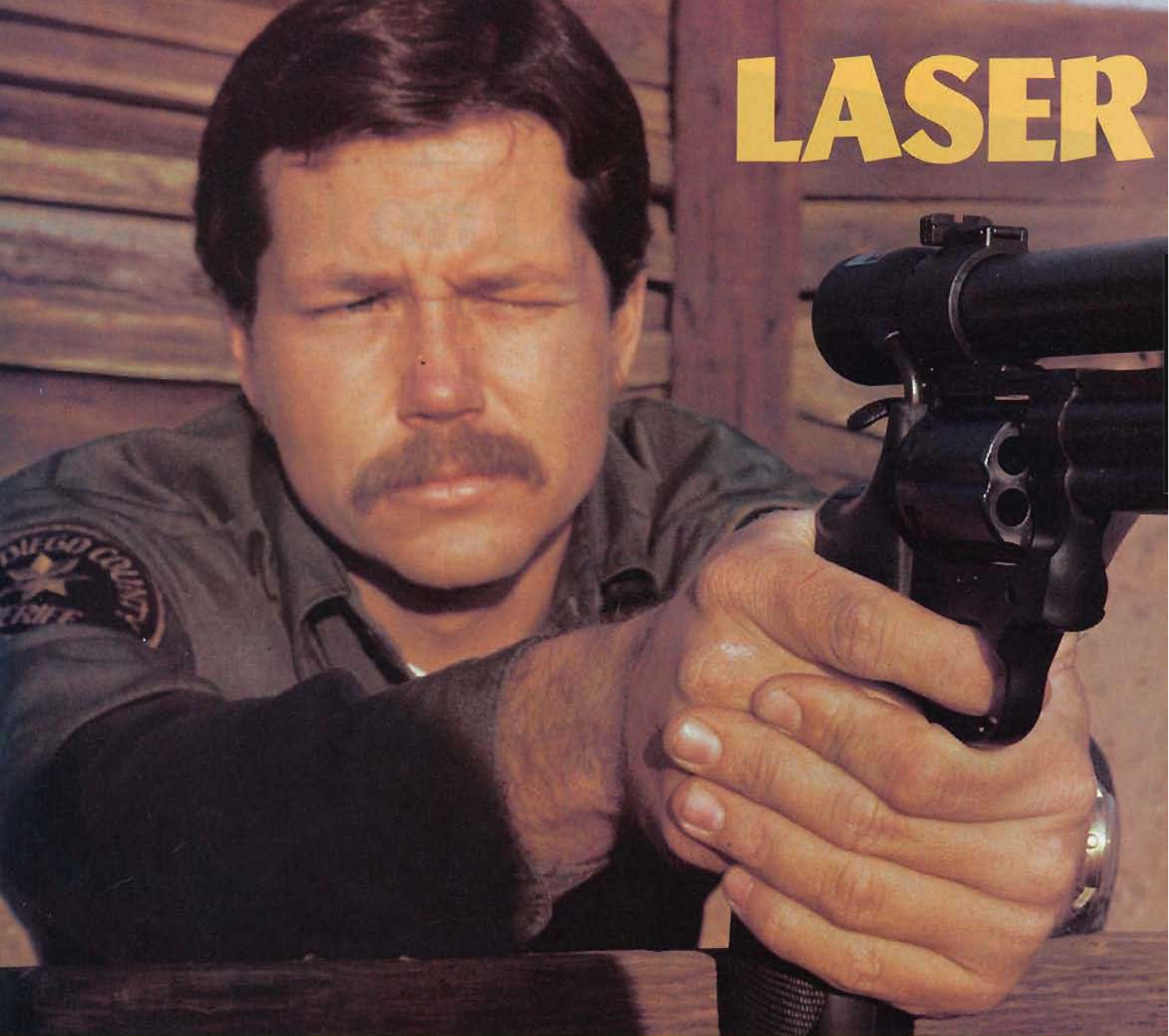
We began with an X-P 100 action. I liked the Winchester Model 100 clip. It's built to handle five .308 rounds staggered, so it's fairly compact. Richard milled out the bottom of the action for this. A magazine floorplate was made of ¼-inch aluminum plate. Push-pull levers hold the magazine in.

Addition of the magazine caused a problem. It interrupted the linkage from the trigger to the firing pin. Also, because of the magazine, it was necessary to move

*Continued on page 76*



# LASER



**T**he Laser Products Corporation (LPC) Model 7 is, to the best of my knowledge, the first handgun factory-equipped with laser sighting. As accompanying photos show, the helium neon laser unit rides in a tube above the barrel and cylinder. The battery module is in the butt extension, and the laser is activated by cocking the hammer or placing pressure on the double-action trigger.

The base gun is a Colt Trooper Mk. III. LPC tested both Colt and S&W, but found the former to have (1) much more room in the grip area for the battery attachment, and (2) an internal mechanism better suited to the laser hookup. A 6-inch barrel is necessitated by the length of the laser module; .357 Magnum was chosen as a versatile caliber that lends itself to the laser system's long-range accuracy.

Dry reading so far, huh? Okay, here's

---

## By Massad Ayoob

---

something thought provoking: *it costs \$4,000 and LPC won't sell it to ya!* Does that pique your interest? Read on.

Health, Education and Welfare's Bureau of Radiological Health strictly controls ownership and operation of laser products. The agency requires all manner of key locks and other safety devices and, if you think the gun in the pictures looks Buck Rogersish now, picture it *that* way. LPC president John Mathews explained to HEW that, look, the thing is a weapon *anyway*, and the bureau gave him a variance to sell it—but only to military and police agencies. There's no way I could keep this sample, even if I did have the \$3,895 purchase price, unless I bought an island, incorporated it as a town, and

declared myself chief of police. (Even working cops can't buy one; agencies only, and a Class III Federal Firearms License won't help either.)

"Fine," says the reader. "You have an expensive, non-ownable piece of space-age gun gadgetry. So what's it good for?"

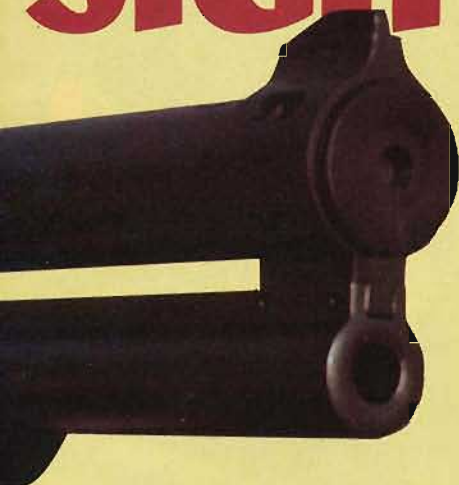
I was hoping you'd ask.

When you touch the trigger, a red dot is projected forward. The weapon arrives from the factory sighted for point-of-aim/point-of-impact with 158-grain Magnum loads. Even out to 200 yards, though, it allows you to put a bullet into a man-sized target by holding the dot high.

This requires no "sighting." In fact, this handgun is amazingly quick when fired from the hip. Because the red dot the shooter sees traces gun wobble, it allows him to ease up on the trigger until the shot is perfectly ready to break.



# SIGHTS are HERE



**Law Enforcement gets a new training and duty tool that eliminates sighting problems**

Folks, what we're talking about here is rapid hits on a Colt Silhouette target at 75 and 100 yards, from the hip, in the dark. That's right, in the dark. In fact, in bright sunlight the shooter is lucky to see the red dot at all, even at 25 yards. This is a dim light shooting tool, *par excellence*. For daylight, an excellent pair of Micro sights is mounted atop the laser tube.

It's natural for hip and "instinctive" shooting. I tried a "Second Chance" practice on five beer cans at 25 feet, and was able to zap them all in 2.9 seconds, a full second faster than the record at Second Chance, a record established on much

larger bowling pins. The secret was that, with the gun down in the start position, you cock the hammer to activate the laser, and the dot is already on the first target. At the signal, you simply raise the gun a fraction of an inch and cut loose, and your first target is spinning before your opponent with a conventional handgun even has his sights to eye level.

That's just the first half of the secret. The second is that the device is actually *easier to use from the hip than from a raised position*. From the hip, recoil in any caliber is much more controllable, because the arms are bent and each joint becomes part

of a shock absorber system. A hot .357 load's recoil is a mere blip. With the test gun's smooth action, unusually nice for this model Colt, the rest was easy.

"Hello, *Michigan*," I sang to myself, reaching for the telephone. I called Central Lake, Michigan, for a ruling on whether I could use this gun in the Second Chance \$50,000 purse event this year. Dave Kotwick sighed, "Mass, I thought you were a martial artist." "All right," I told him, "you can brand a 'G' on my head for 'gamesman.'"

A phone call the following week from

*Continued on page 71*

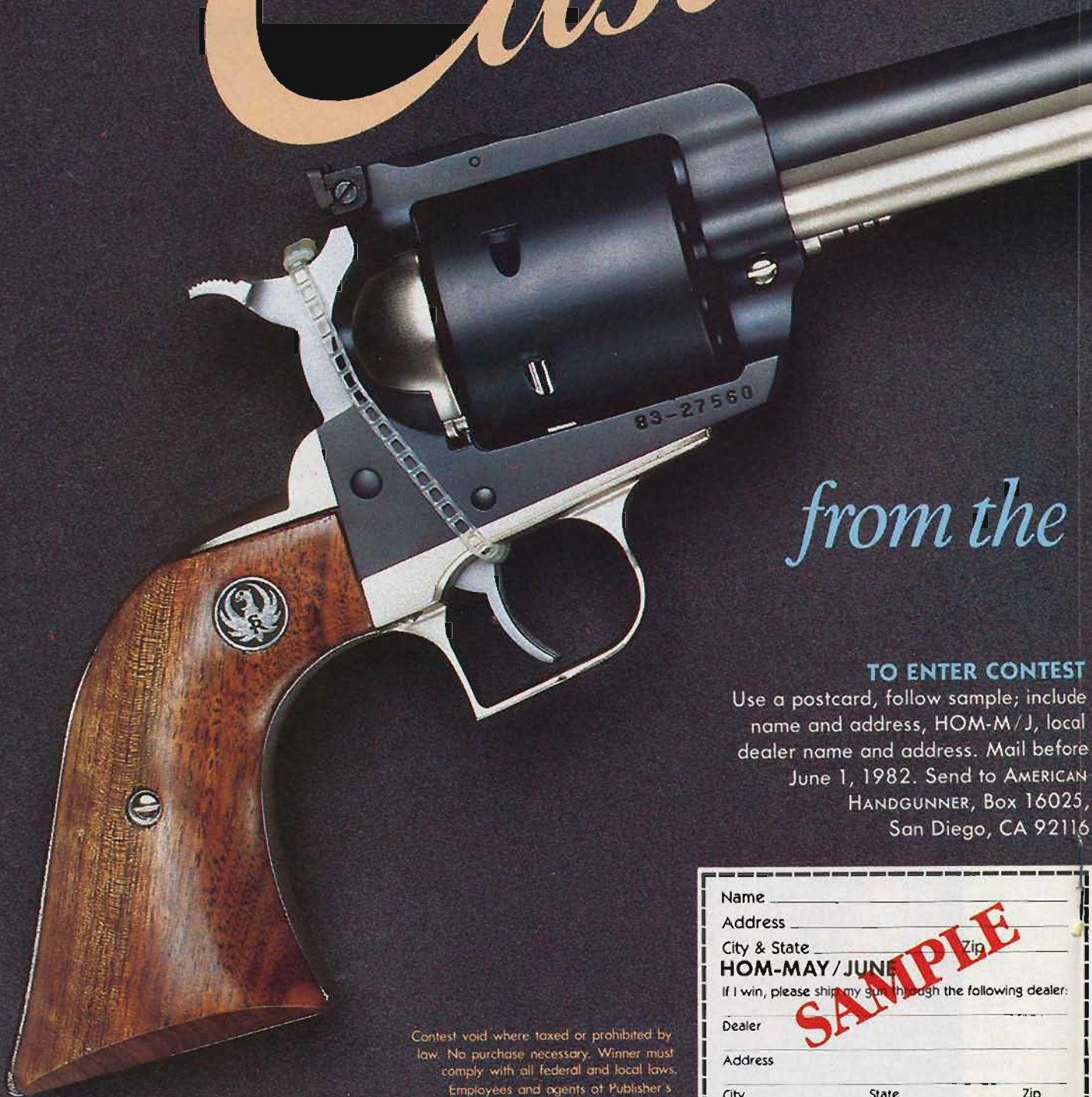


**Laser sight projects a red dot that puts 'em in the K zone at 100 yards—in the dark! The author finds hip-shooting is easy and accurate. Price is \$4,000.**





# Custom



*from the*

#### TO ENTER CONTEST

Use a postcard, follow sample; include name and address, HOM-M/J, local dealer name and address. Mail before June 1, 1982. Send to AMERICAN HANDGUNNER, Box 16025, San Diego, CA 92116

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

Name		
Address		
City & State	Zip	
HOM-MAY/JUNE		
If I win, please ship my gun through the following dealer:		
Dealer		
Address		
City	State	Zip

**SAMPLE**



# RUGER



## SUPER BLACKHAWK

*workbench of Robert A. McGrew*

Most people will agree that the Ruger Super Blackhawk single action revolver is quite a gun as it comes from the factory at Southport, Connecticut. But Bob McGrew, custom pistolsmith of Colorado Springs believes that it needs just a few finishing touches to make it even better. He offered to make one up just for the readers of *The American Handgunner*, and here it is;

Externally, the gun shows a two-tone finish in satin blue and satin nickel, the execution of which is flawless. While the overall appearance is one of quiet elegance, a nice touch has been added by the mirror bright blue finish in the indexing funnels on the cylinder.

The rear sight is deeply notched with a white outline, and the front has a bright orange insert. The original ejector rod housing has been replaced by a stainless steel Blackhawk housing, again finished in satin nickel. The trigger and hammer were first polished bright, then glass beaded for a satin finish. The right side of the trigger guard has been relieved for easier access to the trigger.

Not visible is the action job, offering a butter-smooth, no-creep trigger pull of 1½ lbs. A trigger stop has been installed to eliminate over-travel.

This 10½" barreled beauty is not only good looking, but it is a shooter. Bob test fired the gun before the final finish was applied, and again after completion. Yet the lucky winner will receive a gun in pristine condition, as evidenced by the nylon strap which has prevented the editorial staff from playing with the action.

The gun will come to the winner in a handsome solid attache-type case; on the cover a satin-finished plaque, engraved, "American Handgunner Giveaway, Customized by Robert A. McGrew."

Bob McGrew's custom work is varied; we have examined two fine .22 Ruger auto pistols that display his refinishing talents and his excellent action work. If you'd like to check out his work, send a large self-addressed stamped envelope to McGrew, 3315 Michigan Ave., Colorado Springs, CO 80910.



# New Service Target

These Colts provided target shooters  
with the ultimate in big bore accuracy

*By Bob Murphy*



The Colt New Service revolver was manufactured from 1898 to World War Two. About 200,000 .45 and .455 New Service revolvers were furnished to the U.S. and British armies, and to many other military and police agencies. The New Service is described in more detail in the September, 1979, GUNS magazine.

The target model of the New Service was produced in small quantities from 1900 until World War Two. It differs from the standard New Service in many details. The topstrap is thicker and flat on top. The

rear sight slides in a transverse dovetail cut. The front sight blade, inserted in a sight base, is adjustable for elevation. The front and rear grip straps on the frame are hand checkered. Machine-checkered grips were introduced in about 1928. The triggers were checkered from the start in 1900, although standard New Service triggers were not routinely checkered until about 1928. The standard target barrel length was 7½ inches. All the target models were carefully hand-fitted and polished for a velvet action.

The New Service Target revolvers were numbered in the same series as the standard New Service. This article is based on a survey of guns observed over the years. The survey covers 139 New Service Target revolvers and 90 Shooting Masters. This survey sample may comprise an estimated 3% of the total production. The survey results are summarized in the chart which accompanies the article.

#### **OLD MODEL (1900-1909)**

The earliest New Service Target revolvers were made in mid-1900 in .44 S&W

AMERICAN HANDGUNNER • MAY/JUNE 1982



Russian, beginning at about serial number 4,500. The .44 Russian was then regarded as the most accurate American cartridge for target pistols. The other caliber in this model, .455 Eley, began to appear in volume in late 1901 or early 1902 at about serial number 8,000. The .455's differed from the .44 Russians in several respects. The .455 target sights were not adjustable for windage and elevation. Windage was corrected by tapping the rear sight in its dovetail cut. Elevation was adjusted by firing light .450 Eley ammunition at 20 yards, and heavier .455 Eley at 50 yards. Also, the insert front sight blade could be replaced in the field with a higher or lower blade. English match rules did not permit adjustable sights at that time. Also, the .455 target models had unusual Metford-style rifling with round-bottomed grooves. Barrel markings for these two target model calibers were the same as the markings on the standard model.

#### **NEW SERVICE 44 RUSSIAN CTG. NEW SERVICE 455 ELEY**

Very few variations or changes are noted in the target models between 1900 and 1909. Extractor rod tips at first were smooth and color case-hardened, later changing to checkered. Early specimens bear the 1884 and 1900 patent dates on the barrel. The 1901 patent date (covering the adjustable sights) was soon added to the .44 barrels. The firing pin at first was fixed rigidly into the hammer. At about serial number 10,000 the firing pin was pivoted.

In 1905 at about serial number 13,800 Colt began to stamp its proof mark on the left forward web of the triggerguard, showing that the arm had been carefully inspected and test-fired with a hot proof load.

Forty-one of the Old Model Colt New Service Target revolvers have been noted in this survey, of which 22 (54%) are in caliber .44 Russian, and 18 (44%) are .455 Eley. One target model in this range was noted in .45 Colt, a caliber which was not catalogued by Colt during this period in the target model. This survey sample of 41 guns may represent about 3% of the estimated 1500 New Service Target revolvers built on the Old Model frame.

#### **TRANSITION MODEL (1909)**

In 1909, at serial number 21,000, Colt added its famous Colt Positive Lock to the New Service. This is a steel bar that slides between the hammer and frame, preventing accidental discharge if the gun is dropped. The bar slides down out of the way when the trigger is pulled. Revolvers incorporating this lock bear the 1905 patent date on the barrel. Colt, with its customary thrift, converted about 1000 to 2000 Old Model New Service frames to accept the Positive Lock. There were other minor changes, such as replacement of the two-piece rebound lever with a redesigned one-piece lever. These transition revolvers on the Old Model frame appear in the serial number range of 21,000 to 23,000. The sideplate was stamped with a rampant



**Old Model, .44 Russian, shipped in 1902.**



**Transition Model, .455 Eley, shipped to London in 1909.**



**Improved Model, .44 Special, shipped in 1913.**

(prancing) colt, encircled with a stylized "C." The Old Model sideplates had been stamped with the words "Colt's New Service" in a circle around a rampant colt. Only four target models have been observed on the transition frame, all in .455 Eley. Other calibers may turn up. The Transition Model New Service Target revolvers are regarded as quite scarce.

#### **IMPROVED MODEL (1909-1917)**

The Improved Model of the New Service is identified by a wider, more streamlined triggerguard, which flows forward to cover the bottom of the crane hinge. The Improved Model, incorporating the design changes described under the Transition Model, was produced in several variations from 1909 to WWII. Production of the standard frame began in 1909 with the .45 Model 1909 revolvers for the U.S. Army, Navy and Marine Corps. Limited production of target models continued during this period, in .44 Russian, .45 Colt and .455 Eley.

In 1913 Colt finally offered the New Service in .44 S&W Special. The .44 Russian was discontinued, the latest target

model noted in that caliber being shipped in April 1913 to Abercrombie & Fitch, New York, in the 58,000 serial number range. The earliest .44 Special noted was shipped in December, 1913, on the factory loan account to dealer Phil Bekeart, in San Francisco, in the 59,000 range. Colt, apparently feeling sensitive about chambering its arms for another Smith & Wesson cartridge, used this barrel marking on their New Service and New Service Target .44 Specials.

#### **NEW SERVICE RUSSIAN AND .44 S&W SPECIAL**

The stylized "C" on the sideplate was dropped in 1913 in the 57,000 range, leaving the rampant colt prancing all by himself. Beginning in 1913 a deep-set brass medallion of the rampant colt was set in the hand-checked grips.

Production of New Service Target revolvers was suspended in 1917 for wartime production. The highest serial numbers observed on prewar target models are in the 120,500 range. Serial numbers leap frog in this period because of the huge military orders for the New Service. —>



# The Shooting Master



## SHOOTING MASTER REVOLVERS

In 1931 Colt announced a new .38 Special variation of the New Service Target, called the Shooting Master. It featured a 6" tapered barrel, narrow ("round") butt, and a hefty 44-ounce weight, 10 ounces heavier than the popular .38 Special Officers Model Target. The Shooting Master cylinder latch was smooth, unchecked. Otherwise, it had all of the refinements of the New Service Target of the same period.

By 1934 Colt offered the Shooting Master in .44 Special, .45 ACP and .45 Colt, as well as .38 Special. Very few were sold in the .44 and .45, and they are now considered rare. In 1935 Colt added the .357 S&W Magnum with square butt. A few .38 Special Shooting Masters were converted to other calibers. A letter to the factory will confirm the original caliber from the shipping records. Colt's .357 cylinders of this period bear a small star on the forward face, usually struck obliquely so that it does not look like a star, to denote the use of an improved steel in the Magnum cylinder.

Colt later offered both Shooting Masters and New Service Target with choice of "round" or square butts. There was no longer any substantial difference between the two models other than the cylinder latch, the barrel marking and the price: \$50.00 for the Target, and \$52.50 for the Master.

Large serial number blocks were reserved for the Shooting Masters. Serial numbers appear to start at #333,000 and run in about nine blocks of 50, 150, 200, 150, 650, 350, 1100, 800 and 100, for a total of about 3550 guns. The highest

Shooting Master serial numbers observed in this survey are in the 348,000 range, circa 1940.

The lowest Shooting Master serial number noted is #328185, factory engraved in the deluxe "C" grade. This arm was delivered in 1931 to Captain Edward J. Langrish, of the Hartford Police Department, by "Fitz" of Colt's. Two "B" engraved Shooting Masters have been reported by author Larry Wilson, and there are probably a few more factory engraved specimens out there somewhere.

Another experimental .22 Shooting Master was made in 1933 with a short cylinder, for the .22 Long Rifle cartridge. This gun proved to be too heavy for a .22, and the idea was shelved. Another Shooting Master was built with an experimental front cylinder latch, consisting of a spring plunger at the front of the frame, to latch the front of the cylinder. This was also dropped.

A special-order .455 Eley Shooting Master was shipped in 1936 to a customer in Nova Scotia, proving again that Colt used to comply with any reasonable request for a custom gun. This is the only New Service variation in .455 Eley of post-1916 production to be noted in this survey.

The author is continuing his search for information on the Colt New Service Revolver. If you wish to help, write to Bob Murphy, C/O American Handgunner, 591 Camino de la Reina, Suite 200, San Diego, CA 92108. Information needed: model, serial number, barrel length, frame, finish, grips, butt markings, latest patent date, and factory shipping data.

This survey has noted 43 improved target models in the period from 1909 to 1917:

.44 Russian	4	( 9%)
.44 Special	5	(12%)
.45 Colt	9	(21%)
.455 Eley	24	(56%)
.38 Special	1	( 2%)

43

These 43 guns comprise an estimated 3% of target model production during this period.

The .38 Special New Service Target mentioned here was reportedly shipped in 1911 on special order to S.J. Palmer. The .38 Special was never a standard catalog caliber in the New Service Target. Three rare, factory-engraved target models were shipped in 1912-1916, one to the legendary pistol expert, Ed McGivern, of Montana.

### IMPROVED MODEL (1919-1928)

When target model production resumed after WWI, the most noticeable change was the use of a tapered barrel, swelling up to a large diameter bolster where the barrel met the frame.

The .455 caliber was still listed in the catalog, but no postwar .455 New Service revolvers have turned up in this survey. From 1919 until the next changes in 1928, 30 target models have been noted:

.44 Special	13	(43%)
.45 Colt	16	(53%)
.44-40	<u>1</u>	(4%)
	30	

30

The non-catalog .44-40 was shipped on special order in 1921 in bright, unblued condition, to be engraved by a custom engraver. Another factory-engraved New Service Target was shipped in 1927, in .44 Special.

The postwar finish was not as beautifully polished and blued as before. Pre-war Colts were smoothly polished and blued to a deep, brilliant blue-black that appeared to have depth like a mirror. The screw heads and triggers were given a brilliant fire-blue finish. The finishes after WWI, although of high quality, lacked the brilliant depth of the prewar polish and blue.

Colt production practices seemed to change after WWI. Before the war, the target models had been given serial numbers in small, scattered groups. This survey shows that after WWI there were large serial number groups of target models that did not appear to have any standard model New Service revolvers numbered within the groups. For example, seven target models are noted from #307015 to #307142, with no standard-frame guns observed in this serial number group. It seems reasonable to conclude that Colt made up about 150 target frames in this group in about 1920, and stored them in a bin to be assembled later into completed target models. A similar group appears in serial number range #307198 to #307490; however, this range seems to be too large for a realistic assembly group of target models. Shipping dates for revolvers

Continued on page 68



# INFLATION AND THE HANDLOADER

The high cost of shooting can be chopped  
by those who load their own

**By Claud Hamilton**

Most Americans are aware of the soaring cost of living with today's double-digit inflation. I had it brought home to me once again recently.

I have a friend who lives near Clifton, Virginia. Over recent years we've formed the habit of once a month or so going out to the ranges at the Fairfax Rod and Gun Club. Not long ago, after a particularly unproductive session, during which none of my test ammunition showed any promise at all, and a .41 revolver shot itself to

eted hollow-points—wonderful ammunition, but at nearly \$80 with tax, *Wow!*

I was vaguely conscious of the overall impact of inflation, but I wanted to know more precisely what my shooting costs. Several days spent going through my old records, and a look at old invoices and current shelf stock at Hunters' Haven in Alexandria, gave me enough data for a picture to begin to form. Prices change with frightening frequency these days, and they do so by individual manufacturer. Also, there are some differences in prices between

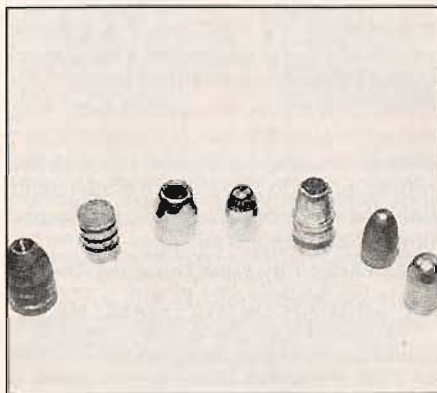
components shape-up today for comparison with prices of factory ammunition:

COMPONENT	AVERAGE COSTS		% CHANGE
	1975	1980	
Primers, pistol (100)	\$0.66	\$1.25	89%
Powder (pound)	5.83	8.50	45%
Bullets (100)	4.91	7.25	48%
Cases (50)	4.54	6.75	48%

To have meaning, this sort of estimate requires reduction to something more specific. For the shoot at which my friend brought up the question of cost, I made up 60 rounds of .41 Magnum and 60 rounds of .357 Magnum loads. I wanted to look at



High quality unprimed brass cases are available in all the popular calibers.



A broad variety of lead and jacketed bullets is available to the reloader.



The bullet just seated, a .45 cart-ridge, is withdrawn from the press.

pieces, my friend asked how I can afford to go on doing "all of this shooting." I laughed and explained that probably 50 percent of what I shoot is handloads, and another 40 percent is older ammunition that I have accumulated over the years. Not more than 10 percent of what I shoot these days is new factory ammunition.

Later I got to thinking again about his question and realized that, were I dependent upon commercial loads, I *couldn't afford to shoot!* I became aware of this all too clearly when I compared a group of 9mm pistols for accuracy. The shoot required four boxes of new Federal 115-grain jack-

various parts of the country, and even between dealers in the same area, so that my figures are only valid here and for the specific items checked-out.

Commercial ammunition prices came as a real shock. For handgun calibers, quality loads, per 50-round box, seem to run in the \$15-plus range, and Norma's famous .38 Special Magnum load, so widely advertised a year or so ago, was selling for more than \$26 per box! Factory-loaded ammunition, in 1975, averaged about \$8.72 per box of 50. By 1981, that price had climbed to more than \$15, a change upward of 72 percent. Here's how loading

different powders for each caliber, and several loads of each. I was looking for a good combination of both powder and accuracy. Here's what I figure the .41 Magnum ammunition cost:

630 Ball Powder	\$0.02
R-P Large Pistol Primer	0.0105
Baker LSWC 220 grain Bullet	0.0735
W-W case (used third time)	Free
Cost per round,	
(Round off to 11 cents per round.)	\$0.1040
Cost per 60 rounds	\$6.60

The .357 Magnum ammunition was slightly cheaper:

*Continued on page 67*



## UNI-VEST

BY GARTH

Designed for Law Enforcement & Sporting Use



The most practical comfortable way to carry a gun. Uni-Vest fits revolvers or automatics with 2" to 6 1/2" barrels in three specially designed holster pockets. Uni-Vest also has a two magazine pocket which opens to accommodate loose ammo. Heavyweight blue denim. Sizes S-M-L-XL. Specify right or left handed. \$5.00 deposit on COD's. Stamped envelope brings literature. \$39.95

S-M-L-XL Specify right or left handed. \$5.00 deposit on COD's. Stamped envelope brings literature. \$39.95

GARTH CO.

Dept AH, P.O. Box 14354  
Tampa, Florida 33690



UNDERCOVER  
SHOULDER  
HOLSTER #5

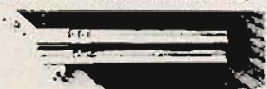
Lawrence

Trim, neat fitting undercover shoulder holster that carries the gun butt down. Has smooth glazed leather exterior with soft English kip leather lining.  
Only for 2" Chief and Agent revolvers. Available at dealers or by mail.  
Write for Free Catalog for all details on complete Lawrence line of over 100 holster styles and other shooting accessories.

THE GEORGE LAWRENCE CO.

Dept. AH5 Portland, Oregon 97204

HIGH PERFORMANCE PRODUCTS FOR  
THE 45 AUTO — 45 SHOOTERS  
GET THE MOST IN ACCURACY



NSGI MATCH GRADE BARRELS

5"-\$140. 6"-\$165. 7"-\$195. 8"-\$225.

Dealer and Distributor Inquiries Invited

We offer a full line of Parts, Accessories and Services at Wholesale Prices

SEND \$5.00 FOR THE COMPLETE  
MAIL ORDER CATALOG, or a  
SASE for Service and Product List



The Sho Gun Shop

26646 5 MILE ROAD  
REDFORD, MICHIGAN 48239

HOURS: 10-5 (MONDAY thru FRIDAY)

(313) 535-0819

Check, C.O.D. and Credit Cards Accepted

## COP TALK

Continued from page 29

favorite street .357 too, but I have long fingers. In the barrio, give me a 5'6" Hispanic partner who's street-smart and can handle his K-frame to back me up.

I've seen some women who should be on the job, and some who shouldn't. I've also seen tough, fearless, bright, straight-shooting, .38-packing women who were career cops and whom I'd pick for patrol partners long before I rode with an insecure guy who wore a gun too big to control because he thought he was compensating for lack of skill with muzzle blast. The job isn't guns. The job is people.

### WANTS HOTTER LOADS

In my department we buy our own revolvers, which must be: .38 Special caliber (not .357), blue steel, four-inch barrel, fixed sights. How can I get the department to let us use .357s, since their argument is that "the average cop can't handle magnums, and if the least of us can't then none of us can." What is the best gun within that listing to go for, paying out of my own pocket?

East Coast Cop

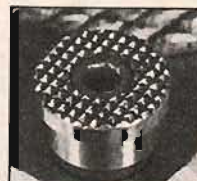
Talk to your PBA (Police Benevolent Assn.) and see if they can't push for optional magnums for those of you who can qualify. If worse comes to worse, guys on your job who want to carry magnums can buy their own qualification ammo at department cost, which won't hurt the department's budget no matter what they tell you. And don't believe that bunk about, "If we let you guys who qualify carry Magnums, the guys who can't qualify will carry them too." I see very few departments that restrict ammo to .38 in which the sergeants don't have to frequently do spot inspections of duty ammo anyway.

If I carried by your rules, my choices would be: S&W model 10 with a 4" heavy barrel or Ruger Police Service Six for general issue, to all troops. These are the easiest guns to service; Dan Wesson model 14 (fixed sight .38 Special) if buying my own gun out of the box. It gives you a lot more options in terms of fixed sight configurations and grip shapes, to make sure your puny service 158-gr. solid .38 loads hit dead center—good action too.

If money were no object, I'd get a second-hand, old-model Colt Official Police, have a heavy Douglas barrel installed on it, and send it to Jerry Moran (now taking orders again, and the best of the Colt customizers, at 2275 E. Farrand Rd., Clio, Michigan). That would give me the smoothest possible DA revolver that fired 100% of the time with full power loads, and recoil that almost sneaks down to .22 level so I could deliver maximum fast, precision accuracy with what firepower I had.

## COMBAT AND IPSC SHOOTERS

Extended Magazine Release Button for Colt, AMT and Crown City Autos. Completely replaces the existing release. No drilling or tapping necessary. Instructions included. \$19.95 postpaid. N.Y. res. add 7% tax. WE pay ALL Shipping Charges. Satisfaction or your money back.



M-S Ambi. Safety (B/SS)	32.75
M-S Ext. Safety (B/SS)	17.50
M-S Ext. Slide Release (B/SS)	17.50
M-S Grip Safety-Beavertail (B/SS)	14.50
Colt Drop-in Beavertail Grip Safety (Gov't/Comm.)	24.00
King-Tappan Combat Sights	28.50
Bianchi Chapman #50 Holster	36.00
Bianchi Askins #4 Holster	33.00
Bianchi B-9 Belt (state size)	22.50
Davis Security Holster #455	22.00
Davis Liberty Holster #453	29.00
Alessi Double Mag. Pouch	13.00
Wolf Spring Kit (state needs)	4.80
Wilson Shok-Buff Kit	5.50
Wilson Shok-Buff washers	1.25
Checkered Magazine Pads	1.00
Deluxe Long Adj. Trigger	11.95
Rogers E-Z Loader	6.95

JIM'S FLYE SHOPPE, Dept. AHG, Rd. #1, 9518 Rt. 60,  
Fredonia, N.Y. 14063

## THE LEWIS LEAD REMOVER

SATISFACTION  
GUARANTEED

\$9.75

Revolvers Cleaning Kit. Removes leading from Forcing Cone, Cylinder, and Barrel. Available in either 38-41-44-45 cal. Brass cloth patches (Pk. 10) \$1.80. Order direct or from your dealer. Check or Money Order. or Money Order.



GUN SPECIALTIES INC.

College Park, Georgia P.O. Box 31

## FLUORESCENT COLORS!

BULLSHOOTER'S™ new FLUORESCENT

Sight Insert Kit... An acrylic resin with 5 fluorescent colors: red, yellow, orange, blue, green, and opaque white. A liquid that hardens in 10 minutes, without heat. Inserts won't fall out, withstand hot bluing. Our Fluorescent kit includes side-forms, mixing bowl, and complete, illustrated instructions on front and rear sight inserts. Immediate shipment, satisfaction guaranteed.

12 INSERT FLUORESCENT 6 COLOR KIT... \$16.95 Ppd.  
150 INSERT FLUORESCENT 7 COLOR KIT... \$38.50 Ppd.  
300 INSERT FLUORESCENT 7 COLOR KIT... \$59.00 Ppd.

See Your Dealer

BULLSHOOTER'S SUPPLY™

Dept. AH/1241 East Prince Road/P.O. Box 13446/Plastics Division  
Tucson, Arizona 85732/602-298-6924

CALL TOLL-FREE 1-800-528-1142

Bullshooters' Supply is a division of the B. E. W. B. Corp.

Copyright 1981

S S K

HAND

CANNONS

.45-.70, .375 JDJ, .17 Remington and 34 other CUSTOM CONTENDER Barrels. CUSTOM CONTENDERS — CUSTOM SCOPE MOUNTS for HANDGUNS that will stay on. CUSTOM RIBS — HEAVY BULLET MOLDS in .357, .41 and .44 Caliber — Spring Kits — White Outline Sight Blades — Hard Chrome Plating — Rechambering — Custom XP 100 Conversions.

Stamp For Information.

S S K INDUSTRIES

Rt. 1, Della Drive  
Bloomington, OH 43910

614-264-0176

SUPPORT HANDGUN HUNTERS  
INTERNATIONAL



# CONDITION ONE .45 DANGEROUS?

One thing I can't accept from you "gun experts" who recommend .45 autos for cops is that you recommend carrying "cocked and locked." As soon as that safety is off, you've got a cocked gun, and that's a reckless act. If the bad guy gets shot by accident, you're legally liable!

Another Southern Cop

The literature of firearms indicates that the cocked and locked automatic is less likely to go off under stress than the double action revolver, especially if there is a scuffle over the gun.

In a recent case in the Northeast, I was part of the legal Defense Team for a police sergeant who was charged with second degree assault after an incident in which a driver he had pursued and been forced off the road by, grabbed his gun. The pistol went off in the suspect's face.

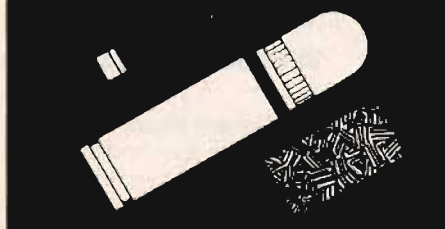
The seriously injured suspect's advocates maintained that the officer was reckless in approaching him with a drawn and cocked Colt .45 Auto. In pretrial, we were able to prove that this was the normal method of carry for a pistol of this type, and actually safer in terms of risk to officer, suspect, and bystanders alike; after trial, the jury quickly and unanimously found my client, the police sergeant, not guilty.

A cocked revolver truly has a hair trigger. A cocked automatic has a substantially harder go-button, and a safety or two to boot. Bear in mind that someone who grabs your gun is exerting 120 to 140 or more pounds of pressure just when he grabs it.

If the bad guy gets himself shot grabbing for the cop's gun, there is a large body of established caselaw that supports the officer. I would never cock a revolver on a suspect, but I would never approach a dangerous suspect with my .45 automatic in any condition but hammer cocked, safety on, and finger and thumb both ready to press the proper metal if deadly danger reared its head. At this writing, to my knowledge, court decisions are supporting that, so long as due care, reason and caution are exercised by the "good guy with the gun."



## Do-it-yourself Pistol Ammo Kit



Anyone can learn to reload pistol ammunition. It's easy, fun, and money-saving, too! Send \$1.00 for introductory booklet to NRMA, Suite 300, 1221 S.W. Yamhill, Portland, OR 97205. National Reloading Manufacturers Association.

## MMC White Outline Pistol Sights

For Ruger & Micro, or  
Colt Accro  
Adjustable Rear Sights



Write or Call for Brochure & Price Lists.  
Dealers Please Inquire.  
No Collect Calls, Please!

Miniature Machine Company  
210 E. Poplar  
Deming, New Mexico 88030  
505-546-2151

## G.I. .45 AUTOMATIC MAGAZINES



New G.I. .45 Automatic magazines (clips) are the very latest issue. Feature extruded (seamless) all steel one-piece body. The one and only .45 magazine made to exacting U.S. government specifications. No jamming or sticking in your gun. GUARANTEED to feed without fail.  
No Minimum order. Sample unit \$5.00 postpaid.  
Lucrative discount for all Gun shops, Shooters, Jobbers, Distributors! Foreign Orders Welcome!

### PRICE LIST

Item No.	Description	Retail	5-24	25-50	51-100	101-479	480+
33451	New G.I. .45 Auto Magazine	\$6.95	\$4.00	\$3.75	\$3.50	\$3.25	\$3.15

Include payment in full with order. Add sufficient shipping or your order will be shipped C.O.D. for freight charges. 5 magazines weigh one pound.

Exclusively By:

**FAIRELLEX**  
CORPORATION

P.O. Box F, Chicago Ridge, IL 60415 (312) 598-4466  
Dept. AH456

SATISFACTION  
GUARANTEED!

New Catalog \$1.00

## Cavalry Sabre

\$19.50 ppd

2 Sabres for \$37.00 ppd. AZ. Res. Add tax  
COD \$2.00 extra

Catalog \$1.00

## CJM ARMS

D25 Rincon Valley HG5  
Vail, Arizona 85641



39" Overall Length...30" engraved Steel Blade  
Basket Hilt...Rigid Sheath  
30 day guarantee

Special  
6 for  
\$85.00



## 1/3 MOON CLIPS

Use .45 acp ammo in place of .45 auto rim.  
For Colt 17, S&W 25 and S&W 55 revolvers.  
Allows storage in ammo belts & std. boxes.  
Reusable indefinitely. For a FREE sample, send a self-addressed, stamped envelope. (We now make Ruger 9mm clips.)

Clip Prices: 25 for \$3.95; 50 for \$6.95 ppd.  
RANCH PRODUCTS, P.O. Box 145, Malinta, OHIO 43535

## HAVE A GUN THAT SHOOTS THE WAY YOU WANT IT TO!

Real hand fit actions, every part matched and polished for beautifully smooth crisp feel. S&W - Colt - Ruger revolvers only. Write for information.

**ACTION WORKS** P.O. Box 23028  
Richfield, MN 55423

## SMITH & WESSON and RUGER MOST MODELS IN STOCK

We have Bushnell & Weaver scopes at tremendous discounts. We also offer many specials on Ruger, Colt, Remington, S&W, SAKO, T/C, Winchester, Armalite, Hardballer, Back-Up, Leupold, Weaver, Bushnell, Etc. Please send us \$1.00 in stamps or change to cover shipping and handling on our large illustrated list. Your dollar is refundable on first order over \$100.00.

HIGH QUALITY MERCHANDISE AT  
REASONABLE MARKET PRICES.



**J & G Sales Inc.**

440-AH Miller Valley Road  
Prescott, Arizona 86301  
Telephone: 1-602-445-9650



**FISHER  
CUSTOM  
FIREARMS**

2199 S. Kittredge Way, Aurora, Co. 80013, (303) 755-3710

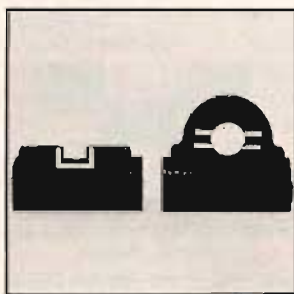
Specializing in 45  
IPSC conversions;  
Perfect match  
of reliability;  
Accuracy and  
control;  
All guns tested  
and guaranteed  
**Recommended by  
ROSS SEYFRIED  
1978 National  
Champion**



# NEW PRODUCT SHOWCASE

## Outline sights give clearer picture

Omega Sales offers outline rear sight blades that can be easily installed on Colt, Ruger, and Interarms handguns which feature adjustable rear sights. Available in either a gold or white outline, the rear sight blades provide the shooter with a cleaner, more visible sight picture. The suggested retail price for the standard Omega outline rear sight blade is \$5.95; and for the Mavenick Range Finder Double Bar, \$6.95. For more information write Omega Sales, Inc., Dept. AH, P.O. Box 1066, Mt. Clemens, MI 48043.



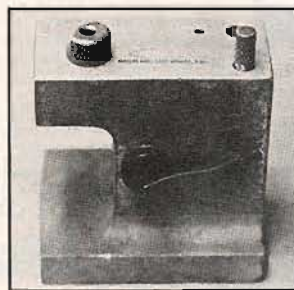
## Tune-up kit adjusts trigger pull

A tune-up kit that lightens the single and double action trigger pull is now available for Ruger Redhawk owners. The Ruger Redhawk spring kit #14, which is equipped with three different weight springs, is a product of Trapper Gun Inc., Dept. AH, 18717 E. Fourteen Mile, Fraser, MI 48026.



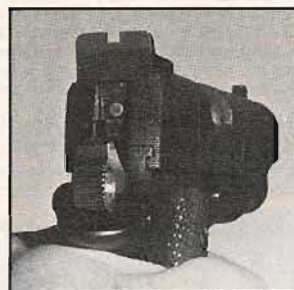
## Crane lock ball jig aids pistolsmiths

The crane lock ball jig is designed to hold the S & W K-frame securely while the pistolsmith drills a precisely positioned hole for the ball and spring. For more information contact Maryland Gun Works Ltd., Dept. AH, 26200 Frederick Road, Hyattstown, MD 20730.



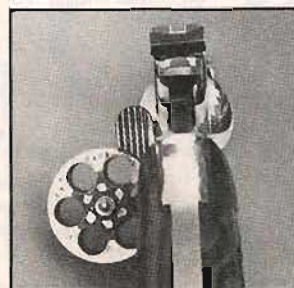
## Nu-Line Guns, Inc. converts wheelguns

Nu-Line Guns, Inc., 1055 Caulks Hill Road, Dept. AH, Harvester, MO 63303, is a specialist in the production of the Smython, the hybrid formed when the Python barrel is connected to the N frame Smith and Wesson.



## New latch simplifies cylinder release

Firearm Technology Company has designed a new replacement cylinder release latch. The easy-to-install Speed-Latch is made to fit both the Smith & Wesson "K" frame (Model No. 102) and the Ruger double-action revolver (Model No. 212). The suggested retail prices are \$29.95 for the Smith & Wesson Model and \$24.95 for the Ruger Model. For more information write Firearm Technology Company, Dept. AH, P.O. Box 266, Massapequa, NY 11758.



## New safeties fit Browning Hi-Power

The Cylinder and Slide Shop is making two new items, an extended combat safety and an extended ambidextrous safety, for the Browning Hi-Power. Both are designed to fit without modification. The extended safety costs \$29.95; the ambidextrous safety is \$74.95 with exchange of the standard safety. For more information write Cylinder & Slide Inc., Dept. AH, P.O. Box 937, Freemont, NB 68025.

## Compensator System reduces recoil

For the .45 auto enthusiast, J. Michael Plaxco's new "Plaxco Compensator System" reduces recoil and redirects recoil vector, while giving him the benefit of a custom fitted, 6-inch Match Barrel and Bushing. The Compensator System can be easily removed, allowing the shooter to reinsert the original barrel and bushing. The system can be fitted to a pistol in four weeks at a cost of \$250. Write J. Michael Plaxco, Rt. 1, P.O. Box 203, Dept. AH, Roland, AR 72135, for more information.

## Collar protects extractor rod

Fred's Gun Shop, 5904 Signal Hill Road, Dept. AH, Mechanicsville, VA 23111, has an extractor rod removing collar for Smith & Wesson, Colt, and Ruger handguns. The cost is \$10.

## Pistolsmith designs new fixed sight

Pistolsmith Richard Heinie has designed a new combat competition fixed sight for all 1911 automatic pistols. Made of fully machined 4140 steel, the sight adapts to other large frame auto pistols. Its suggested retail price is \$28.50. Heinie can be reached at 821 E. Adams, Dept. AH, Havana, IL 62644.

## Wilson .45 magazine is durable

The body of the Wilson Combat Match .45 Magazine is made of 304 stainless steel and designed to eliminate cracking. The follower and base, both molded parts, are made from a new, rugged synthetic material. The follower has a rounded design and a positive slide stop operation; the base can be easily removed for cleaning. The suggested retail price of the 7-round magazine is \$19.50. For additional information write Wilson's Gun Shop, Dept. AH, Route 3, Berryville, AR 72616.





**HANDGUNNER  
PREVIEW**

# THE EAGLE IS LANDING

While there are some who will question the need for a .357 Magnum auto pistol, the people at Magnum Research, Inc. (877 Grand Ave., Saint Paul, MN 55105) believe that such a need does exist, and that the market is there.

The Eagle is not just a conversion of an existing gun to handle the hot revolver round. It is a new design that incorporates a gas-operated action and a six-lug rotating bolt. Preliminary design data indicates that the Eagle will offer quick disassembly without the use of any tools; a trigger adjustable for pull weight; 7-shot magazine capacity, and an ambidextrous safety that locks the firing pin and disconnects the trigger. It appears that the only feature the Eagle does not have is double action capability.

The first prototypes were shown at the S.H.O.T. Show in Atlanta (still several weeks away as this is written). Delivery date of production guns has not yet been determined, as the actual production is rumored to be done outside of the U.S., with Israel mentioned as a possible site.

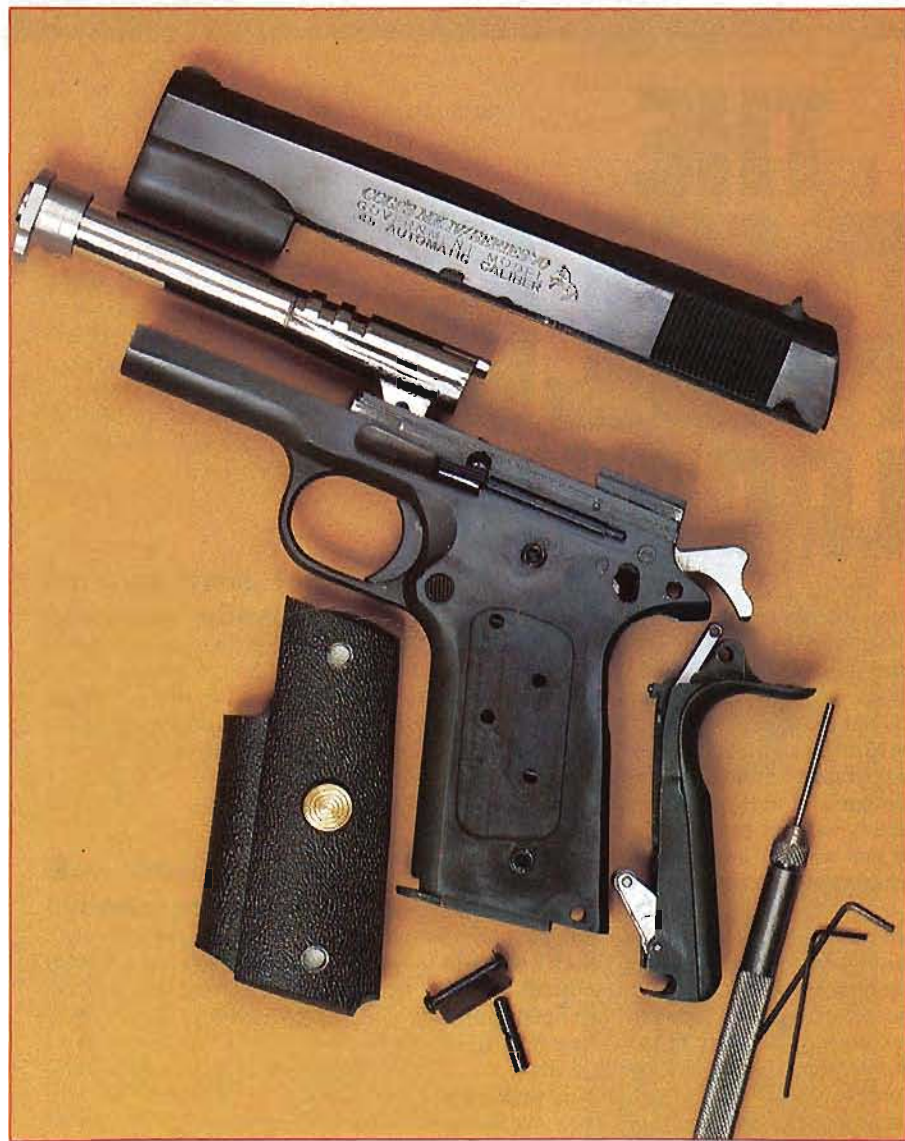
The Eagle promises interesting shooting, and perhaps a new era in firearms design and manufacture. We at the American Handgunner are waiting patiently for our test sample to arrive. A full report will appear as soon as testing is completed.





# DOUBLE ACE BY CARAVILLE

New life for the .45 auto with drop-in accessories for the do-it-yourselfer



Our cover photo shows the Double Ace conversion unit, Caraville's barrel and bushing and their wrap-around rubber grips; all owner-installed.

by Greg Moats

The last thing that the police officer expected to see was the suspect holding a rifle. (Fortunately this police story doesn't end with such a sentence of terminal foreboding.) As the rifle-wielding belligerent caught a glimpse of the officer in his peripheral vision he started to swivel on the bar stool bringing his weapon to bear on the policeman. (I'm told that such scenarios do not occur in slow motion like in a Sam Peckinpaw movie; they just appear that way to the participants.)

In the millisecond-decision that dictated life or death for this particular drunk, the officer drew his duty sidearm as the suspect continued to turn towards him. When the drunk had completed his swivel and had almost swung the rifle around, he found himself looking down the sights of the officer's .45 Auto from the wrong side. As the Officer tightened his grip on his handgun, the Caraville "Double-Ace" conversion automatically cocked the weapon, making an audible "click." Upon hearing the sound, the drunk fainted, collapsing in a heap on the bar room floor. When the drunk regained consciousness he explained that when he heard the "click" he thought the hammer had fallen and he knew that he was dead!! Perhaps truth is stranger than fiction.

I must admit from the start that I don't like double action auto pistols, and in fact I like double action auto conversions even less. However, the Caraville Double Ace is not really a double action conversion and does have some redeeming characteristics.

1). It's the only currently produced conversion that does not affect the trigger pull of the weapon, thus eliminating the uncontrollable deviation commonly found between the first and second shots from standard double action autos.

2). It pre-empts the use of the slide safety while maintaining a standard of mechanical inability to fire until the weapon is securely gripped. Like the H&K P7 (PSP) it cocks itself when gripped, unlike the P7 it does *not* de-cock itself when the grip is released.

3). Since it pre-empts the use of the slide safety, it negates the need for an ambidextrous safety.

4). It alleviates the need for a beavertail grip safety. Since it requires no altering to the frame and can be installed without recourse to a gunsmith, it is cheaper than having a gunsmith install an ambidextrous safety and a beavertail grip safety.

5). With practice, a shooter could become pretty fast with the conversion; however, *with practice* a shooter could become pretty fast with almost any handgun.

6). One nice feature about the Caraville Double Ace is that it's sturdy; it's not a new invention and its sturdiness has been time proven. The folks at Caraville said that the Baldwin Park, California, Police Dept. had them installed as SOP seven years ago and that their first accidental dis-



charge occurred after six and a half years. When they asked the officer how it happened, she claimed that she didn't know. However, the weapon subsequently proved to be 100% functional.

Now for some highly subjective, bad news.

1). The Caraville Double Ace is a bulky piece of gear that "feels funny" while you're gripping the handgun. For close, fast shooting this is not as severe a problem as it is for long range precision work. I was therefore thoroughly surprised when I was able to shoot a seven inch offhand group at 50 yards with the conversion added to a .45 Auto. While it feels a little like someone taped a popsicle stick to the backside of your .45, the Caraville Double Ace is not something that a person can't get used to. In fact, a new shooter might not notice it at all. Although I dislike extended magazine release buttons, I'd be inclined to have one installed on my .45 if I were to use a Caraville Double Ace; the bulkiness of the conversion makes dropping the magazine in a hurry a matter of chance.

2). For some, the only inedible fly in the soup is that it requires the handgun to be carried in a "stand-by" (slightly past half-cock) position. Those of us who have been nurtured in the modern school of practical shooting have been taught that double action conversions are an "ingenious solution to a non-existing problem." While my law enforcement experience is very limited, I can understand how public pressure is brought to bear on a Police Department by paranoid civilians seeing their local Peace Officers carrying "cocked" guns (I have great faith in the naivete of the human race). If the Double Ace made it possible to carry the handgun with the hammer fully down, it would at least be a *logical* solution to a non-existing problem; it would also require about 24 lbs. of force



**Carrying the .45 auto in half-cock position may be unnerving to some, but with the Double Ace unit in the gun, it is mechanically safe.**

to cock the pistol. If a city, county or state government would not allow its Peace Officers to carry a handgun in Condition One (cocked and locked) it doesn't seem logical that it would allow them to carry the same handgun in a "stand-by" position; however, governmental decisions frequently defy logic. While safety is a paramount virtue for law enforcement administrators, everybody's perspective changes when shorts are fired. While the Double Ace requires between eight and nine lbs. of force to cock the pistol, it only takes about ¾ lbs. to hold the housing in, and this action is

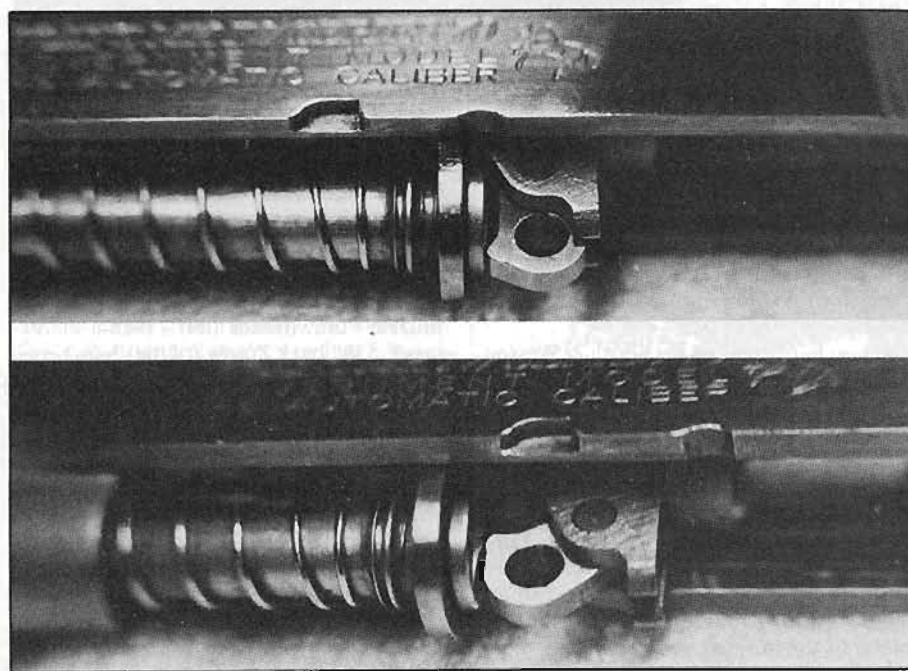
accomplished by the normal grip of the hand on the pistol. Since the slide safety does not need to be disengaged, it is theoretically faster and realistically simpler to shoot the first round with the Double Ace than from the traditional Condition One position.

If I were on a Department that required that I either carry a wheel gun or a .45 with a Caraville cocking device in the "stand by" position, I'd opt for the .45 every time. It demonstrates a note of engineering intellect that pre-dates the H&K P7 by over a decade. In my opinion it's a device that's not for everybody, but for what it's designed to accomplish it is vastly superior to the alternatives.

In keeping with its engineering intellect, Caraville has developed a number of "drop-in" accessories designed to enhance the accuracy, reliability and longevity of your 1911-type self loading pistol.

If someone claimed to produce a recoil buffer that would hamper muzzle-rise, decrease the wear on the frame caused by the slamming of the slide, increase the accuracy of the handgun, aid the feeding reliability while at the same time boosting the velocity of the round, it would sound like a bold-faced claim potent enough to make a consumer advocate's mouth water. That's exactly what Caraville claims. This is not simply a standard spring guide with a spring loaded metal projection on the front, as most of the currently marketed buffers are. This is an entire system that incorporates a new barrel link, a nitrogen injected buffer/spring guide, a stainless steel recoil spring and a new recoil spring plug.

Let's start with the barrel link. At a glance the Caraville barrel link looks simi-



**Top: in battery, bottom of barrel link forces barrel up and forward. Bottom: With slide to rear, barrel is forced down for better feeding.**

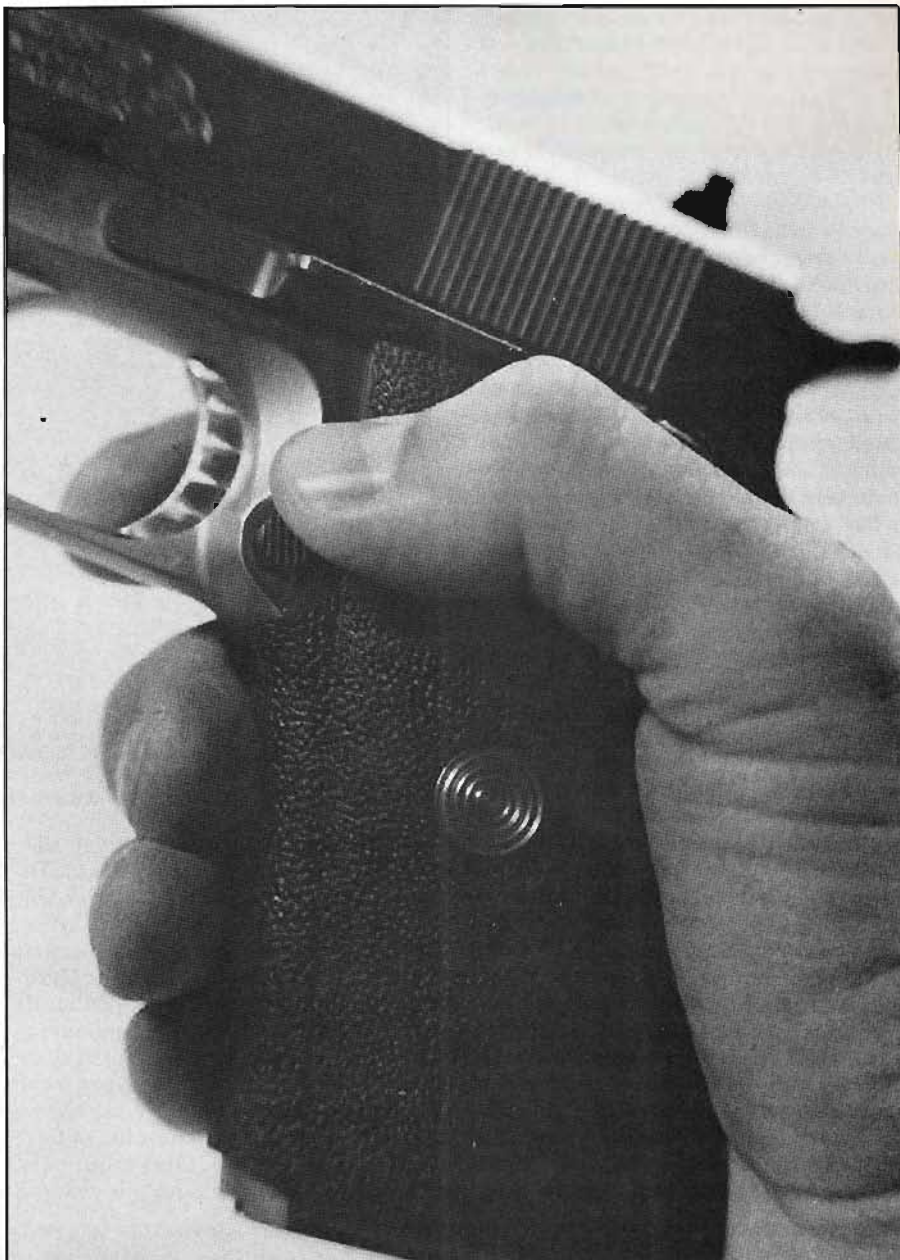


lar to the Dwyer "Group-Gripper" which has proven merits. The Caraville people explained the difference to me. The metal projection on the lower, forward side of the link indexes on the backside of the spring guide. This action keeps a steady upward and forward pressure on the barrel into the locking lugs while the slide is in the forward position. This extra pressure delays the unlocking process just long enough to let the bullet pass farther down the barrel before the slide starts to move to the rear, thus accounting for Caraville's claim of increased accuracy and velocity. However, when the slide is to the rear, this projection is rotated up causing a counter-camming action on the barrel back and down against the frame, thus accounting for Caraville's claim of increased reliability of feeding.

The spring guide, barrel link and recoil spring plug are made of stainless steel. The chamber of the spring guide is injected with 50-70 lbs. of nitrogen which gives it a very smooth action compared with standard spring loaded buffers. It appears to be *extremely* well made and looks more like a precision instrument than part of the guts of a .45 Auto.

The recoil spring plug incorporates a unique concept. The forward portion of the cap that pushes forward against the barrel bushing is oversized and tapered. This means that some of the forward pressure caused by the recoil spring is directed upwards against the barrel bushing. This upward pressure will take any "play" out of the bushing/slide fit and further enhance the accuracy of the pistol.

The folks at Caraville said that if this systems is installed in a gun that shoots four inch groups at 25 yards, two and three quarter or three inch groups will be attained and I believe them. Although a new Mk IV Series 70, .45 ACP is generally more accurate than the average shooter who fires it, I decided to try Caraville's buffer system in one to see if there would be any "out of the box" effect. With a brand new Mk IV that had no modification and had never been fired before, the best I could do was a two inch group offhand at 25 yards. Although the fixed sights were fine on elevation, they shot about three inches to the left. Then I installed the Caraville buffer system. Although it is a "drop in" alteration, I expected to have a number of malfunctions until the system "shot itself in." I was not disappointed. The first seven shots failed to eject. I fired 200 rounds of ammo through the pistol and shots #8 through #200 functioned flawlessly; the buffer system had to "seat itself." The best group that I shot offhand with the buffer was one and one half inches at 25 yards. Although the windage was still three inches to the left, the elevation now was a full three inches higher than without the buffer, no doubt due to the upward pressure exerted by the tapered recoil spring plug. It's difficult to try to compare amounts of muzzle rise; the buffer made the pistol seem more controllable and it definitely cushioned the



**Double Ace conversion adds bulk to grip, and author feels that one should install an extended magazine release button for quick unloading.**

recoil and make it feel more comfortable. All things considered, I think it's an excellent system; if it proves that it can withstand many thousands of rounds of ammunition, it will be the ideal piece of "addon" gear for the practical shooting competitor who shoots more in a week than most people shoot in a year.

If you happen to own a Smith & Wesson Model 39 or 59 that won't group inside a three foot washtub at ten yards, cheer up, there's hope! While the 9mm Smith's have gained a modest following, it's no secret that accuracy is not exactly their forte. The Caraville engineers have designed a couple of barrel bushings, one for the .45 Auto and one for the S&W 39 & 59, that are truly unusual. They incorporate a small teflon "O" ring that lines the interior diameter of the bushing and provides a "zero clearance" contact with the barrel. Labelled the "Exacta Ace Bushing," Caraville

claims that among other things it dampens harmonic vibration, eliminates outside barrel wear, seals out dirt and moisture while in battery, saves wear on the lugs, and improves accuracy. They recommend that the outside diameter of the barrel be turned to a diameter of .578", from the muzzle's crown back .150", then a diameter of .570" back 2" toward the chamber on a standard length .45 barrel, or 1.750" on a Commander barrel. No statistics were provided for the Smith barrels so we simply put it on the barrel "as is" and the accuracy of that particular Model 59 went from about seven inches at 25 yards to about four inches. When in battery, the bushing extends in front of the muzzle, thus protecting the crown of the barrel should it be inadvertently dropped. It looks and performs like an extremely reliable and durable bushing and, in .45 Auto's,

*Continued on page 53*



it mates very well to the previously mentioned oversized recoil spring plug.

Caraville has also designed a set of neoprene, wraparound grips. Although they look quite a bit like Pachmayr grips, the Caraville grips don't feel as thick or adhesive, possibly because they have a stippled, non-checked finish. Like the second generation Pachmayr grips, the Caraville's do not have thumb-swells or the little lip of neoprene at the bottom of the front strap that many practical shooters have found to be a nuisance. One of the very attractive features of these grips is that they sell for \$12.95.

Also in Caraville's inventory of practical accessories are a set of fixed, high visibility, low profile sights. One of the first alterations that most serious handgunners make to their .45 Auto is the addition of a new set of sights that are easier to "pick up" quickly. Caraville's sights have a white outlined rear aperture with a choice of white, yellow or orange inserted front ramps. The outfit is also coming out with a kit which will allow shooters to change front sight colors quickly. With the recent popularity of fluorescent "glow-in-the-dark" type sights, this quick change kit could prove to be quite an aid to the competitive shooter or law enforcement officer that wants "night sights" but would like the versatility of having standard black sights in periods of daylight conditions.

While the test gun that Caraville sent me was equipped with a standard Mk IV barrel, it has come out with a set of stainless steel barrels in Commander, Government and six inch configurations. The barrels come equipped with their previously mentioned Exacta Ace Bushing. The barrels are modified with a "U" shaped orifice cut at the extreme rear of the barrel hood which allows you to see at a glance whether or not there is a cartridge in the chamber. It had cut this "U" shaped orifice in the Colt barrel on the test gun and I found it to be quite handy and practical; none of the brass fired in the gun was disformed in any way.

It's obvious that Caraville definitely has the practical shooter in mind. As in all sports, there are gadget conscious "practical" shooters who acquire copious amounts of shooting paraphernalia, most of which is designed more to impress than perform. Caraville's products might not appeal to these individuals. However, the function-oriented shooter or law enforcement officer that is more concerned with reliability than pretense will find that Caraville Arms has an array of equipment that's worth looking into. Contact: Caraville Arms, P.O. Box 4545, Thousand Oaks, Calif. 91360.

**DISCOVER II  
RELOADING**

**From Clinton River** HOME OF THE **Ambusher**  
**Gun Service**

A complete Catalog of Services offered by one of America's foremost gun shops.

Clinton River specializes in quality repair, accurizing and custom gunsmithing.

Send \$.25 for the New Clinton River brochure.

**CLINTON RIVER GUN SERVICE, INC.**

48 CROCKER BLVD. • MT. CLEMENS, MICHIGAN 48043 • (313) 468-1090




**DEMPSEY CUSTOM GUN**  
19715 Bolton Bridge • Humble, Texas 77338 • 713-446-7842

PPC REVOLVERS  
IPSC 45 AUTOS  
CONVERSIONS

Silhouette Rifles  
Silhouette Pistols



**"STOP SHOOTING IN THE DARK"**  
Accurate Load Electronic Scale That Gives You Fast, Accurate And Durable Weighing For The Ammunition Reloader

- ✓ Two Scales in One Compact Case. Weighs in Grain or Gram Mode
- ✓ Space Age Electronics From America's #1 Balance Manufacturer
- ✓ Easy to Read L.E.D. (Light Emitting Diode) Display
- ✓ Sensitive to 1/100th of a Gram or 1/10 of a Grain
- ✓ Instantaneous Full-Range Electronic Taring

FOR MORE INFORMATION ON HOW TO ORDER CALL (303) 936-7255 OR WRITE  
AINSWORTH, DIVISION OF DENVER INSTRUMENT CO: 2050 S. PECOS STREET,  
DENVER, COLORADO 80223





## Auto Pistol Manuals



### The Colt .45 Auto Pistol

Covers nearly every facet of the legendary Colt Government Model from mechanics to marksmanship to complete detailed inspection, disassembly & repair. Plus drawings on construction of repair tools & fixtures. Over 100 pages loaded with photos. A must for gunsmiths & .45 owners. Book No. 128 ..... \$4.95

### The Browning Hi-Power Pistols

Explores every aspect of the various military & commercial models of the Free World's most widely issued sidearm. Instructions on taking it down to the last pin for inspection & repair, how to zero it, etc. 5 1/2 x 8 1/2, softcover, 46 pp. Book No. 125 ..... \$3.95

### Walther P-38 Pistol

By Major George Nonte

A complete volume on the P-38 by one of America's greatest gun writers. All facets are covered from its history & development to practical field use, maintenance & repair. Plus a special update on recent double action autoloading. 85 pp., softcover. Book No. 127 ..... \$4.95

Order direct from:



**DESERT PUBLICATIONS**  
Dept. AH—Cornville, AZ 86325

## PISTOL BULLET SWAGING DIES AND COMPONENTS

Swage half jacket and zinc base bullets in caliber 30, 9mm, 357, 44 and 45. Zinc base bullets may be fired at jacketed bullet velocities and at a fraction of the cost.

For information and prices contact SPORT FLITE MFG., INC.

2520 INDUSTRIAL ROW, TROY, MI 48064  
(313) 280-0648.



American Pistol Institute, Paulden, Arizona 86334

## The Complete Private Smallarms Training Center

### THE FIRST WITH THE MOST

Twenty-six Expert Instructors  
Seven Qualified Range Masters  
Two Complete Combat Simulators  
Eighteen Firing Ranges, from arm's length to 1000 meters.  
"Crisis Management in Short Range Interpersonal Confrontations"  
Rifle, Pistol and Shotgun. All levels.

Write today for information.  
Send \$2 for API brochure.

**Jeff Cooper's**



**American Pistol Institute**  
Paulden, AZ 86334

# CUSTOM PISTOLSMITH PROFILE

## J. Michael Plaxco



## PROFESSIONAL QUALITY WITH NOT ONE UNNECESSARY GADGET

Many newcomers to the ranks of custom pistolsmiths offer excellent work at very reasonable prices. One of these is J. Michael Plaxco of Roland, Arkansas. Mike is among pistolsmiths who recently have offered a line of Colt .45 Auto modifications.

In addition to being a meticulous craftsman, Plaxco's skill with the big Colt Auto is among the best in the nation. Mike is one of the top IPSC shooters in the U.S., and finished second in the U.S. Championships for 1981. He understands exactly what the .45 Auto requires in the way of modifications—for amateur or professional.

The quality of Plaxco's work is first rate, and the popularity of his pistol work is evident by the number of pistols, bearing the Plaxco custom logo, seen on the firing line. Over the past year I have seen and handled a number of Plaxco-modified Colt Government Model pistols. All were well executed and precisely fitted. Triggers are always crisp and positive.

A price list and work sheet may be obtained by simply sending a self-addressed stamped envelope to J. Michael Plaxco, Route 1, Box 203, Roland Cut-Off, Roland, AR 72135. The work sheet is basic and lists only those modifications that Plaxco believes to be necessary. For com-



pletion of basic conversions, including combat accurization, lowered ejection ports, beveled magazine wells, trigger tuning, and high fixed sights, delivery time is usually four weeks or less. Complete pistol modifications which include metal checking, adjustable sights, and Bar-Sto barrel often will require longer shop time.



I found it refreshing to see that Plaxco's work sheet does not offer all the gadgets and unnecessary options so many plumb-ers love to load on a pistol to milk extra money from customers. As a top-level competitor, Plaxco recommends that pistols be modified with only items that are absolutely necessary.

I recently had an opportunity to test an example of Plaxco's work. The pistol used was a Colt Mk. IV Series 70 Government Model .45 with complete full-house combat modification. While many of the custom touches were not really necessary, the pistol was ideal for test and evaluation because it exhibited the depth and variety of Plaxco's work. The test gun was a joy to shoot and proved to be not only totally reliable, but also extremely accurate.

Plaxco's pistols reflect the careful steps necessary to make a combat gun shoot accurately, and yet be reliable even when dirty. The major benefit of having a .45 accurized is that it will provide a better level of accuracy for a much longer period of time. An accurized .45 will still provide excellent groups after 20,000 rounds, whereas stock grade pistols usually will wear rapidly, and the result is pie-pan groups after only 7,000 to 10,000 rounds. This may seem like a lot of shooting, but to the serious IPSC competitor who fires up to 500 rounds per week, the issue is very critical. The test gun had already digested many thousand rounds of full ball equivalent reloads, and it still shot like a champ.

The key to accuracy is barrel lock-up, and Plaxco takes extra effort in fitting his guns for solid, reliable barrel alignment. All contact surfaces are mated and polished for top functioning. Great care is used to insure that extractor tension and polishing are perfect. It is not a well known fact, but most problems with the .45 auto pistol failures can be traced to a faulty extractor. In the test pistol, all the careful adjustments had been made. The gun had a Bar-Sto barrel and was exceptionally accurate. An extended recoil spring guide also was installed. The sights were the super fine Bomar Deluxe, low-mounted and contoured to the slide. A new design improved ramp front site was silver-soldered in place.

The trigger pull was set at 3½ pounds, and was very crisp and reliable. The frame and related parts were industrial hard-chrome plated. The slide was finished in high luster blue with the "Plaxco Custom" logo engraved on the right side. A unique touch with the Plaxco gun was a very wide funneling of the magazine well which makes for rapid speed loading. The relieved area near the rear of the magazine well permits the incoming spare magazine to be slammed into the pistol without fear of binding or snagging on the edges of the frame.

Range testing proved that the "Plaxco Custom" not only is a handsome piece, but shoots up to the performance standard expected from a full-house conversion of the Combat .45.

## NOT ALL MINI-REVOLVERS ARE ALIKE!

That's right! Freedom Arms, the "original" mini-revolver designers, are asking you to compare the differences between ours and N.A.C. The long and the short of it is... Freedom Arms offers *you* a choice! Compare for yourself, and you'll agree—not all mini-revolvers are alike!

COMPARISON	FREEDOM ARMS	N.A.C.
No. of Models Available	7	4
Floating Firing Pin	Yes	No
Positive Locking Cylinder Pin	Yes	No
Tapered Barrel	Yes	No
Easy to Service & Disassemble	Yes	No
Original Casull Improvements	Yes	No
Limited Lifetime Warranty	Yes	No

Don't confuse Freedom Arms with N.A.C. — WE'VE NEVER HAD A RECALL! Write for FREE brochure and dealer nearest you today.

"Exclusive U.S. Manufacturer"

# FREEDOM ARMS

FREEDOM ARMS, Freedom, Wyoming 83120



FA-LM .22 Caliber Magnum  
Barrel: 1¾"  
Weight: 4¾ oz.  
Overall Length: 5 1/16"



FA-SM .22 Caliber Magnum  
Barrel: 1"  
Weight: 4¾ oz.  
Overall Length: 4 5/16"



FA-L .22 Short/LR  
Barrel: 1¾"  
Weight: 4¼ oz.  
Overall Length: 4¾"



FA-S .22 Short/LR  
Barrel: 1"  
Weight: 4 oz.  
Overall Length: 4"

All models available in either polished or non fluted mat finish.

**Humidity and Condensation Are Ruining Valuable Equipment!**

## Stop Rust, Mildew with Silica Gel That "Drinks" Dampness From the Air

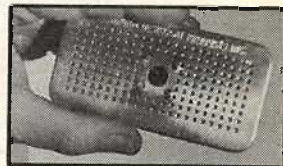
- No electricity required
- Reactivates indefinitely

Once marred by corrosion, no oil, rust remover or chemical can restore the value of fine guns, instruments or other precision-finished objects. Now you can protect them with the same government spec silica gel used on naval vessels. (You are familiar with silica gel as small packets of crystals packed to protect new guns, cameras.) The desiccant of choice by gov't and industry, silica gel creates a shield of dry air within any enclosed area.



**2000 Gram Canister:** This heavy-duty, self-contained unit lasts a lifetime. Reactivates indefinitely. Only 4" x 16", yet can protect 144 cubic feet of enclosed space. Used on naval vessels. Ideal for camper-trailer, large closets, darkroom, gunroom, workshop. Steel construction with precision-cut slide breathers to silica gel within. Built-in indicator signals when unit should be reactivated. (Reactivates easily in any oven.) This unit can prevent thousands of dollars of damage due to rust, dampness and mildew. A lifetime of protection.

**\$8.50 postpaid.** **\$37.50 postpaid.**



**Compact Unit:** Aluminum canister designed to withstand years of use contains 40 grams of silica gel. For individual gun and camera cases, tackle boxes, silver drawers etc. Protects 3 cubic feet of enclosed space. When monitor "window" turns pink, unit can be easily re-activated in any oven.

**\$4.95 postpaid.**

**HYDROSORBENT WILL PROTECT:**

Electronics	Power Tools
Guns	Lab. Instr.
Optical Equip.	Film, Slides
Cameras	Clothing, Leather
Medicine	Documents
Silver	Etc, etc.



**360 Gram Unit:** Ideal for eliminating dampness and humidity in large gun chests, display cabinets, safes, large storage containers, etc. Protects over 27 cubic feet of enclosed space. Built-in indicator signals when unit should be re-activated. (Reactivates easily in any oven.)

**\$8.50 postpaid.**

To: Hydrosorbent Co., Box 675, Rye, N.Y. 10580

Please send postpaid:

360 Gram Units	\$ 8.50 each
Compact Units	\$ 4.95 each (NY Residents add 5% sales tax)
2000 Gram Units	\$37.50 each

Please Print **TOTAL ENCLOSED \$**

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**All items... Money-back Guarantee**



## "JAYHAWKER" Custom combat rig by Ted Blocker's Custom Holsters features:



full contour belt and holster of double thick 7/8 oz. full grain cowhide. Holster includes 18 gage steel liner, metal lined hip plate, sight rails, adjustable tension, muzzle rake for strong side or cross draw. Double stitching adds that distinctive touch of top quality. Fast enough for a Leather Strap, secure enough for an Assault course. Revolutionary TEF-LOK mag pouch, angled for maximum speed, magazines face same direction at same angle with all new teflon coated spring retainer.

This rig was designed and made for the old "JAYHAWKER" himself, Bob Arganbright, nationally known Firearms writer, Leather authority and many times Fast Draw Champion as well as a respected Combat competitor. The complete rig as shown sells for \$104.95 plus 5% shipping and handling. Calif. residence add 6% sales tax. Available in Basket Weave and full hand carved for additional charge. The standard model can be delivered in less than 30 days. Available for Colt Commander, Mark IV, Gold Cup, Hard Bailer, Brn. HI Power and Safari Arms. Dealer inquiry invited. We accept master charge and visa. Please include your card number and expiration date. Catalog available for \$1.00.

Authorized Dealer:  
"JAYHAWKER"  
4704 Upshaw  
Northwoods, MO 63121



You may order direct:  
**Ted Blocker's Custom Holsters**  
P.O. Box 821  
Rosemead, California 91770

### LEAD BUILD-UP

## \* WIPE AWAY™

### GUN CLEANING CLOTH KIT

JUST WIPE AWAY LEAD, BURN RINGS, & CARBON BUILD-UP  
ON HANDGUNS, RIFLES & SHOTGUNS

THIS AMAZING CLOTH KIT CLEANS, LEAVES A SPARKLING FINISH,  
IS INEXPENSIVE & LONG-LASTING

"... I can vouch for it really working. Just one or two swipes of the cloth and leading around barrel disappears..."

—Jerome Rakusan (Editor)  
American Handgunner  
Magazine

"... For removing leading & carbon build-up  
WIPE AWAY is the best that I have worked  
with to date."

—Bob Zwirz  
Eastern Editorial Director  
Gun World And Annals



1. Removing lead from the forcing cone, barrel and cylinders is no longer a task. Simply cut a 1/2"x1/2" patch and wrap it around an old brush of the same caliber. A little scrubbing and the lead is gone. Follow this with a clean gun patch and that part is done.

2. To clean the face of the cylinders simply wipe the lead away.

3. Lightly wipe the exterior with the WIPE AWAY followed by a clean cloth and the job is finished.

With the WIPE AWAY, it is no longer a messy and time consuming job to clean a handgun.

Look for it at your Local Dealer, or send \$4.95 & 1.00 P & H to:  
Belltown, Ltd.—33 Belltown Road, Stamford, CT. 06905 (203)348-0911

PATENTED

## Fred's Gun Shop

CUSTOM COMPETITION HANDGUNS



PPC, ISPC, DUTY, TARGET,  
SILHOUETTE, AND SPORT

CUSTOM "SMITH PROFILE,"



Short Cylinder P.P.C. Conversion U.S. Patent  
Douglas 1-10 twist BBL 1,080" Dia. 6" Long  
Square recess muzzle  
Cylinder is shortened to function with 38 spc.  
H.B.W.C. only

- \* Reduced Leading
- \* No bullet jump
- \* Reduced recoil
- \* X-Ring Accuracy
- Each gun individually built

Fred Schmidt  
Tel: (804) 746-9269  
5904 Signal Hill Rd.  
Mechanicsville, Va. 23111

A number of different loads were used. Regular 230-grain hard ball as well as Federal Match were fired. Accuracy and function were excellent. A little over 500 rounds of my regular IPSC practice load went through the pistol. This load consists of a 68 H&G 200-grain bullet over 5.7 grains of WW231 powder. All accuracy testing was done from the roll-over prone position at both 50 and 25 yards. Mainly, I care how well the pistol shoots for me. Thus all shooting was done from my most accurate position. The results were very pleasing. I believe that the Plaxco Custom .45 is a very good choice. Mike Plaxco's work is quick, reasonably priced, and is done by a man with a fine reputation as a shooter, sportsman and pistolsmith. Finding a gunsmith who takes time to do each job carefully, with a relatively quick delivery time, is a difficult process these days. Success soon makes some pistolsmiths cut corners in an effort to keep pace with delivery time demands. Plaxco is still a new face in the crowd of .45 combat pistolsmiths, his work is a real bargain, and those shooters who choose to avail themselves of his services will be dealing with a fine gentleman.



Second Ruger Collector's miniature issue is this scaled-down Hawkeye.

## Ruger Collectors issue miniature

THE RUGER COLLECTORS' Association, Inc., has announced production of a second miniature issue, the Miniature Hawkeye Pistol.

The organization's first miniature issue, in 1979, was a down-scaled Standard Automatic Pistol, originally sold to RCA members at \$1,750. Current market price of the first issue guns is about \$4,000.

Each miniature issue is made up of only 12 third-scale guns, identical (except in size) to a rare early Ruger. Numbered 1 to 12, each miniature is supplied with a third-scale model of the original packing box and document set. Information about the association and miniature issues is available from Ruger Collector's Association, Inc., P.O. Box 211, Trumbull, CT 06611.



# SPEAK OUT

## CLIP CONSTERNATION

My compliments on a well thought-out article, "What's Wrong With the Colt .45 ACP?" While I prefer to keep my Mark IV (out of four other available choices) at the ready at all times, in a household of gun-conscious adults, I can enthusiastically recommend other choices for other people. I work out regularly, and I'm fairly strong, and even I prefer to cock the hammer first, before operating the slide. The clip that came with the gun showed signs of a fair amount of use, and it is a minor irritation to load. I bought a new blued steel clip, and much to my great consternation I found it necessary to use a screwdriver, after loading five rounds by hand, to force the spring follower down to load the remaining two rounds. Again, thanks for the article.

Henry W. Lowell  
Detroit, Michigan

## HEY, YOU IPSCERS!

I'd like to use your magazine as a sounding board to both the leadership and membership of IPSC. As a former PPC shooter, I took a lot of flak from the IPSC boys about how impractical my style of shooting was. They never tired of pointing out that my bull-barreled S&W Model 10, open-front Reno holster and triple open-top speedloader pouch were all totally useless for street or survival use. Worst of all, they said, was the puny .38 wadcutter ammunition I used. Never, they insisted, would I be able to handle full-power loads in a firefight situation. Well, IPSC, look around you at the guns you are salivating over—Devel's Gammon, Clark's Pin Gun and Wilson's Accu-Comp. Yep, they're the epitome of practicality, all right! Those 6- and 7-inch jobs with—Gasp!—bull barrels and other highly sophisticated features bear no resemblance to the "Practical" pistol about which I was so freely informed. How about the crossdraw and open-top holsters with the clip holders? And, by the way, look at the new .40 caliber round that has been dreamed up as a way to qualify Major while shooting Minor. How would it fare in a firefight? Admit it, guys, IPSC is fast going the way of PPC. While IPSC courses of fire are more realistic, what is gained when it

## DON JUDD 45 ACCURACY JOBS

DONALD K. JUDD, INC.

TARGET/COMBAT PISTOLSMITHING THE 45 ACP

GUARANTEED ACCURACY AND PERFORMANCE

COLT . . . S&W . . . RUGER

LONG SASE FOR DESCRIPTIVE PRICE LIST

P.O. BOX 50366

MIDLAND, TEXAS 79701

915-694-1766

NRA LIFE MEMBER

Our custom-designed rasp has both a coarse & fine cut. Perfect for barrel inletting where fast cutting & smooth finishing is desired. Diameter: 1/2" S/B 3/4" Length 2". NEW GUNSMITH CATALOG \$2.00 1 handle \$44.85

**BARREL INLETTING RASP**  
2 CUTS IN 1  
\$15.70

**FRANK MITTERMEIER, INC.** (Est. 1936)  
Dept. AH-5, 3577 East Tremont Avenue, New York 10465

## T/C CONTENDER SLING PACHMAYR GRIPS



## 10"-14" BULL BBL. HERRETT GRIPS

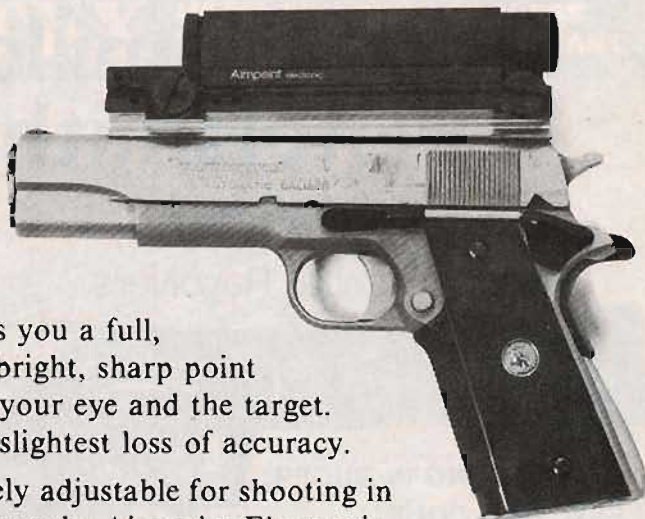
SUPER SLING FOR YOUR T/C PISTOL. THE ONLY PATENTED SLING CUSTOM FITTED TO POPULAR PACHMAYR GRIPS. STAINLESS STEEL GRIP STUD. REMOVABLE NYLON SLING. BLUED STEEL FRONT BAND INSTALLS WITHOUT SOLDERING. FOR HERRETT "FINGER GROOVED" GRIPS ENGRAVED NICKEL SILVER BUTT PLATE WITH STUD FINISH. PLEASE SPECIFY WHICH! HELPS TIGHTEN GROUPS. JAMES RECOIL NOTICABLY. ALLOWS MOST COMFORTABLE SHOULDER CARRYING. DEALER INQUIRY INVITED.

PACHMAYR SET \$19.95. HERRETT SET \$25.95 POST PAID. ORDER NOW-CHECK-M.O. -VISA-MASTER CHARGE.

ORDER NOW-PRICE INCREASE AFTER JANUARY 1, 1982

**CAL DRAKE ENTERPRISES**  
P.O. BOX 9217, MARINA DEL REY, CA 90291

# Aimpoint of Sweden



The Aimpoint Electronic precision sight gives you a full, unrestricted field of view. What you see is a bright, sharp point of light that is aligned continuously between your eye and the target. You can get your shot off faster without the slightest loss of accuracy.

The luminous intensity of the point is infinitely adjustable for shooting in any light. If you can see your target, you can use the Aimpoint Electronic.

Free of parallax and magnification, you can shoot with both eyes open giving you a better view of the terrain. And it doesn't make any difference if you wear glasses.

An available 3X scope attachment, threaded for quick, easy assembly, allows you to quickly adjust from short- and medium-range to long-range precision shooting.

For more details on where you can get yours, see your dealer or write:

# Aimpoint

electronic

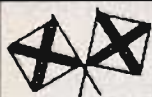
**Aimpoint USA, Inc.**

201 Elden St., Ste. 103

Herndon, VA 22070

Tel. (703) 471-6828





# GUN BLUING NICKEL PLATING



## We Guarantee Satisfaction!

3 Week Service or LESS. We do QUALITY WORK.  
We DON'T GRIND them up • SEND FOR PRICE LIST.

**REBEL GUN REFINISHING, INC.**

1620 No. Magnolia Ave. • Dept. A • Ocala, Florida 32670

PHONE (904) 629-5465

DEALER INQUIRIES INVITED—SEND F.F.L.

## GUTRIDGE, INC.

2143 Gettler Street, Dyer, Indiana 46311 • (219) 865-8617  
Send 36¢ in stamps for information

### NEW QUICKLINE™ SIGHT

For Colt Government and commander  
As Quick as pointing your finger

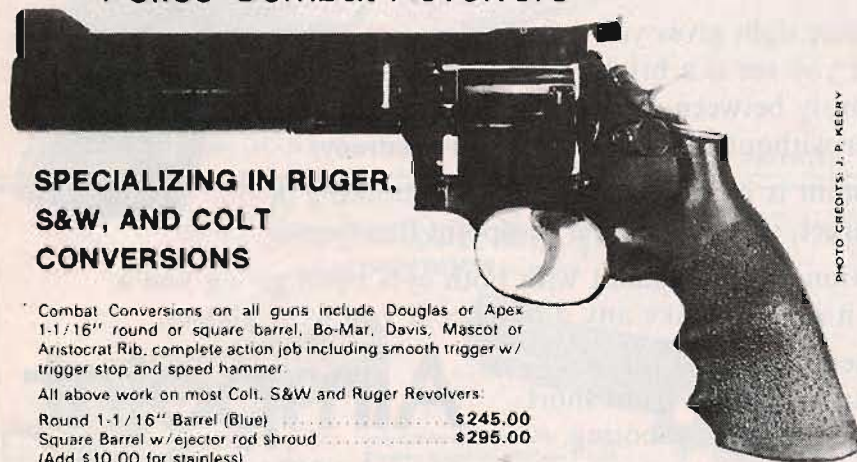
*Complete Gunsmithing Service*

**ACCURIZING—PPC REVOLVER**

## Lou Ciamillo Pistolsmith

C/O MARYLAND GUN WORKS, LTD.

Police Combat Revolvers



**SPECIALIZING IN RUGER,  
S&W, AND COLT  
CONVERSIONS**

Combat Conversions on all guns include Douglas or Apex  
1-1/16" round or square barrel, Bo-Mar, Davis, Mascot or  
Aristocrat Rib, complete action job including smooth trigger w/  
trigger stop and speed hammer.

All above work on most Colt, S&W and Ruger Revolvers:

Round 1-1/16" Barrel (Blue) ..... \$245.00

Square Barrel w/ejector rod shroud ..... \$295.00

(Add \$10.00 for stainless)

\*Prices include taking original sights and barrel in trade.

**DEALERS IN HOGUE AND ROGERS CUSTOM GRIPS**

CHARTER MEMBER AMERICAN PISTOLSMITHS GUILD/M.D. FIELD REP PMA

For more information write: Lou Ciamillo — Gunsmith

c/o Maryland Gun Works, LTD. / 26200 Frederick Road / Hyattstown, Maryland 20734  
(301) 831-8456

becomes a gimmick-and-equipment game? Let's get IPSC back on its original course—standard guns with accuracy jobs and over-the-counter add-ons that are available to everyone. Put the funny guns where they belong—in a class by themselves—and allow only standard guns to qualify for match and class winners in competition. Guys, you can't have it both ways. You'd better get your sport straightened out before it's too late and it begins to die, like PPC has.

C. Dan Hoots

Rowland, North Carolina

## HOLSTER HUNTER

In your January/February, 1982, issue, you have a list of custom pistolsmiths which is very useful. But I wonder whether you have a directory of holster makers, in particular Milt Sparks. If you can send me his address, I will be grateful.

Aaron Levine

Arvada, Colorado

*Head for your local library, grab Gun Digest, 1982 Edition, turn to Page 441 for a list of holster manufacturers and custom leather goods companies. Milt Sparks can be contacted at P.O. Box 7R, Idaho City, ID 83631. Drop Milt a line, and tell him, "Hi."*

## SUPER SERVICE

As I was considering some type of plating for appearance and protection of a handgun, your November/December, 1981, article on this subject was very informative and timely. I would like to thank Bob Cogan of Accurate Plating and Weaponry, Clearwater, Florida, for taking the time over the phone to further discuss handgun finishes with me. After viewing his work on my recently returned pistol, I would recommend his company for thoughtful service—something we need nowadays. As is the rule today, his service is not exactly inexpensive, but his quality is top-drawer. Put Cogan and company on your list as a handgunner's friend.

J. Moore

Lafayette, Indiana

## SLING'S THE THING

I've always admired the Remington XP-100 in .221 Fireball caliber. I recently purchased a new XP and had the dealer mount a T/C 3X44 RP scope with Weaver Rings. The pistol has amazing accuracy and versatility. The question is: Where do you get a holster/sling for this Star Wars replica? I have yet to find any gunsmith or company with any type of accessories for the XP-100. I have saved close to 500 rounds of spent brass! I am having great difficulty in finding a reloading firm for the apparently not too popular .221 Fireball. Do you know of a reloader nearby? By the way, the .45 Matchmaster by Safari Arms that I won

PHOTO CREDITS: J. P. KEERY



in the Custom Guns Giveaway is excellent.

Douglas Grindstaff  
Fulton, Missouri

Michaels of Oregon Co. (Uncle Mike's) makes the QD 115 NS, Set No. 1281 NS sling swivel kit and a 72-inch web sling, Set No. 2671, for the XP. The address is P.O. Box 13010, Portland, OR 97213, phone (503) 255-6890. Don't know anyone who reloads .221 Fireball in your area. But you're missing half the shooting fun if you don't load those Fireballs yourself. Why not send off for reloading equipment and supplies catalogs from Lyman, RCBS, Lee, Ponsness Warren, Bonanza and others that you'll find indexed in such publications as Gun Digest? Coming up with super-accurate loads for your .221 XP could be a thrill of a lifetime for you.

## THE WINNAH!

I was delighted to learn that I had been selected as winner of your Custom Gun Giveaway. Now that I've had the opportunity to spend an afternoon on the range with this masterpiece (Wilson Combat .45), I am absolutely overjoyed. I will readily admit that it is by far the most enjoyable firearm that I own. I wish to thank everyone on your staff for the courteous, efficient manner with which everything was handled. Finally, I'd like to commend everyone associated with the *American Handgunner* for the excellent quality of the publication. Jack P. Wassell  
Gaithersburg, Maryland

## .41 APPETITE

How about more information on the .41 conversion kit for the 1911-A-1? The little blurb in the January/February, 1982, *American Handgunner* just whetted my appetite. I know you didn't plan it that way, so how about a name and address for the kit's manufacturer?

Donald J. Hagan  
Indianapolis, Indiana

The manufacturer isn't ready to let his .41 conversion cat out of the bag just yet, but keep reading *Handgunner*. Information on the kit will appear in these pages just as soon as the maker gives the go-ahead.

## LOOK AGAIN

Your November/December (1981) issue was excellent—except for one article. J.D. Jones' story on sighting in a new scope shortchanges the technology that has taken place in collimators and suggests shooters use the very antiquated look-through-the-barrel technique. My personal experience has been that when a collimator is used, it put my scope very close to the point of aim. Case in point: My first scoped pistol was a 4-inch Ruger stainless Security Six with Leupold 2X scope and a Buehler mount, and the

## THOSE !\*!\$?! LEATHER POUCHES DON'T WORK



TRY OUR  
SPEEDLOADER

CLIPS ANYWHERE

DEALER INQUIRIES INVITED

BELT CLIP

\$3.95 EA.

THE ORIGINAL

ALL METAL

BLACK ANODIZED

SPECIFY LARGE FOR M-FRAMES  
SMALL FOR ALL OTHERS

ADD \$1 PER ORDER P&H

COLDWATER ARMORY CO.

P. O. BOX 494, MESA, ARIZ. 85201

## BRASS

9mm & .38 Super  
NEW .357 MAG.  
AND OTHERS

Call For Quantity Prices  
(512) 858-4441  
THE BRASS WORKS  
P.O. Box 315H  
Dripping Springs, TX 78620



### WALLET-HOLSTER

for Hi-Standard Derringer

Looks Like a Wallet on the Outside

Packs a 2-Shot Punch Inside!

ONLY \$17.95 POSTPAID

and



### BELT SLIDE HOLSTER

for Colt Gov't Model, Commander,  
and other Large Frame Autos

Thick Durable Leather

ONLY \$3.95 POSTPAID

(Call residents add 6% tax)

For info, send S.A.S.E.  
STEVE HENIGSON

2049 Kerwood Ave. #3, Los Angeles, CA 90025

## NITEX

METAL FINISHING PROCESS  
HARD, CORROSION RESISTANT



...provides handsome appearance of stainless steel

WRITE FOR  
Full color illustrated  
brochure and name  
of nearest  
dealer



DEALER  
INQUIRIES INVITED

THIS IS THE FINISH! It protects ALL metal surfaces by a combination of heat and chemical treatments. The surface you see; the bore where deterioration is most deadly; moving parts — without harm to close machine tolerances, without loss of temper to springs. Far outlasts blueing. Lab and field tested for several years. Provides like-new restoration for favorite older guns; special good-looking protective finish for that new purchase. Results guaranteed! Investigate.

NITEX

600 N. Glenville  
Richardson, Texas 75081  
214-690-0143



**BRAND  
NEW**

# Blue Steel & Gun Leather

John Bianchi



## THE MASTER OF GUN LEATHER TELLS ALL

Quick Draw  
Bianchi's Law  
Concealment  
Much More

AN  
IMPORTANT  
NEW  
BOOK

**\$9.95**

First Edition Available Now

## BLUE STEEL & GUN LEATHER

By JOHN BIANCHI

Choosing the correct holster can save your life or help you win in competition. John Bianchi has taken the experience of 20 years as the world's leading holster manufacturer and created a brilliant book. QUICK DRAW for competition and law enforcement—CONCEALMENT, do you really think that bulge doesn't show?—SHOULDER HOLSTERS may not be for everyone, are they for you?—the MYTH of the CUSTOM HOLSTER as told by a master craftsman himself—Plus MAXIMUM PERFORMANCE, HANDGUN ACCIDENTS and much more. It's all tied together by BIANCHI'S LAW. Must reading for serious shooters.

### BIANCHI TELLS IT LIKE IT IS!

Please send me my advance copy of BLUE STEEL & GUN LEATHER at once. Enclosed is \$9.95 per book plus \$1.00 post./handling.

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Allow 4 to 6 weeks delivery.

MAIL TO:  
**AH BOOKS**  
Dept. 26-AH5  
591 Camino Reina  
San Diego, CA 92108  
CA residents add 6% tax.

scope was adjusted when it was mounted by the dealer. My first shot group at 25 yards was on the target, and needed little final adjustment. Case No. 2: Same pistol, same mount, but with the new Leupold 4X scope collimated by me at the dealer's; it was again on target at 25 yards, and finally zeroed at 100 yards, using a standard rifle target. Case No. 3: The pistol was a Remington XP-100 in .221 Fireball, Weaver mount and Weaver offset rings to clear the objective lens bell and focusing knobs collimated by me at the dealer's. The 4X Leupold was targeted at 100 yards for my first shot group. So, if you want to shoot rocks, go ahead and shoot, but with the high cost of ammo, and no end in sight, collimating can save you money and most dealers offer it free when you buy a scope—so why not use it?

Tom Bachley  
Lacey, Washington

### I LOVE LUCY

You guys put out a pretty good magazine. However, one gets suspicious when all one reads are glowing comments and reports about everything from guns to reloading equipment. I don't recall ever reading anything negative about a product, even when other magazines panned it. This means that you aren't receiving random products or are slightly biasing your opinions. We all know that everything isn't all that rosy at the consumer end of the stick. You male writers are the greatest offenders in this regard. Most are obviously happy with the status quo, and the world of handgunning in general. The only one on your staff who appears to be a mover and a shaker is Lucy Chambliss. This lady deserves a medal for some of her work, and for the fact that she isn't afraid to rock the boat in a constructive manner. This is the way things get done and how progress is made. She probably feels as though she's tilting at windmills, but I hope she never quits. She is carrying on the spirit that prevailed at the meeting that revolutionized the NRA a few years back. Go get 'em, girl!

D.T. Birch  
Coordinator IPSC  
Port Moody, British Columbia  
Canada





## CLARK & RUGER



Adjustable  
Rear Sight

**\$17.50**  
RETAIL

Add \$1.00 for postage  
and handling.

(White outline blade — \$3.50 extra)

Replaces rear sight on Ruger models with adjustable sights. Large, flat rear blade with deeper sight notch. Improved sight picture. Better click adjustments.

Also available to fit base on current  
production model Mark I.

DEALER INQUIRIES INVITED.

**James E. Clark**  
PISTOLSMITH

Rt. 2 — Box 22A

Keithville, Louisiana 71047

(318) 925-0836

## The New Magnum Vibra-Tek



Brass polisher and cleaner, 2½ times capacity of the regular Vibra-Tek. Ten times faster than the tumbler method, cleaning inner and outer case surfaces, even primer pockets. Leaves no residue. No moving parts to repair or replace. LIFETIME WARRANTY Capacity 750 .45's, 275 30-06. Complete ready to clean with 5 lbs. shell media and extra tub for cleaning with solvents for carburetors, machine parts, etc. Regular Vibra-Tek \$69.95 complete prepaid. The Magnum Vibra-Tek \$138.00 prepaid.

**HAYDEN-HOLMES COMPANY, INC.**  
1844 Arroya Rd., Colorado Springs, Colorado 80906

### IPSC-45 AUTOS-COMBAT

Full Range of Combat Modifications

### CUSTOM SIGHTS-ACCURIZING TRIGGER WORK

50-Round Test Fire & Ransom Target on Accuracy Work  
Improved Reliability

## BROWN CUSTOM, INC.

8810 Rocky Ridge Road  
Indianapolis, IN 46217

Long SASE  
For Brochure & Prices

## CHOOSE A WINNER

Model  
K-86



Specify waist  
size Gun make,  
bbl. length &  
caliber.

Hand crafted, fully  
lined, leg & hammer  
tie downs, 24 loops.  
Prompt Shipment,  
\$59.95 p.p. Cashier's  
check or money order.  
Please add \$2.00  
extra for 7½" bbl.

Send \$1.00 for complete catalog.  
Dealers, please inquire.

**AMERICAN SALES & MFG.**  
BOX 677 AHLAREDO, TX 78040

## SMITH & WESSON DUTY TUNE-UP EXPLAINED BY 'SMITH BILL DAVIS

Late last fall AH visited the new shop of Davis Co. in Anaheim, California. The event was a workshop and open house for law enforcement. We watched as Bill Davis and Kerry Freeman tuned, inspected and repaired more than a hundred guns.

The procedure for what Bill calls a "Duty Tune" was instructive, and demonstrated that even a duty revolver can use the talents of a pistolsmith. Here's how Bill does it:

*First: make sure gun is unloaded.*

- 1) take out sideplate screw that holds cylinder in.
- 2) make sure cylinder runs free on yoke.
- 3) check cylinder alignment with frame (wedge hammer—see photo)
- 4) check cylinder for fore and aft play (hand check)
- 5) remove grips and sideplate
- 6) stone off any abrasive burrs on sideplate (deburr)
- 7) remove trigger
- 8) break edge on trigger front fork
- 9) remove machine marks from top of trigger
- 10) check trigger and cylinder stop fit—cylinder stop does not carry down below frame
- 11) take a drink of beer (optional)
- 12) break edge on rebound slide
- 13) remove hammer
- 14) stone front face of sear
- 15) check for loose pin on hammer
- 16) stake sear pin so it won't rub on side plate



- 17) install S&W SA rebound spring (replace) (lighter spring). Leave the spring full length.
- 18) adjust mainspring making sure strain screw is fully seated.
- 19) look for obvious defects & spurs

The whole job takes only 15 or 20 minutes unless there are some major problems. Bill gets about \$25 for the job, and all who were at this first workshop were amazed at the difference it made.

## "FOR SALE" EXPERTS



**IS YOUR  
LIFE  
SAFE?**

Some of their trophies

Now you can join the champions, Mickey Fowler and Mike Dalton, in the latest, most improved techniques in the arts of self defense, competition, or just those who must carry a pistol daily. Classes are now forming with the personal supervision of Mickey and Mike at their new facility in So. Cal. These international experts will teach you to fire fast controlled shots, with the mental conditioning to attain pin-point accuracy and fulfill your personal goals!

Send \$1.00 Postage and Handling For Full Descriptive Brochure To:  
International Shootists Inc. P.O. Box 5254, Mission Hills, CA 91345



INTERNATIONAL SHOOTISTS INC.



Literature \$1.00

High Quality Contemporary  
Stylish Inline Action Muzzle  
Loading Rifles & Pistols



**100-000 PRECISION, INC.**

1449H Blue Crest Lane, San Antonio, Texas 78212  
1-512-494-3063

## BULLET SWAGING

- equipment for all calibers
- special presses & dies
- lead wire, jackets
- books, accessories

send \$3 for Handbook/Catalog



P.O. Box 758

Phoenix, Oregon 97535

## ACCURIZE

YOUR OWN .45 AUTO, COMMANDER  
OR BROWNING HI-POWER

Stainless steel barrel & NM Bushing match  
grade **\$90.00 PP.**

Stainless steel Browning Hi-Power barrel match  
grade **\$140.00 PP.**

**BAR-STO PRECISION MACHINE**  
73377 Sullivan Road, AH  
29 Palms, CA 92277

ALLOW 12 TO 16 WEEKS FOR DELIVERY



**MAC'S .45 SHOP**

Quality Service Since 1972

—MATCH TESTED &amp; PROVEN—

COMBAT "ACCU-GUIDE"™ SYSTEM

Made  
in  
USAPatents  
Pending

My Combat "Accu-Guide" System properly aligns the slide assembly with the frame. Thus giving you these immediate and exceptional results:

- Immediate "felt" smoother operation due to elimination of all distortion during movement.
- Improves accuracy because barrel locks up in same position everytime.
- Reduces felt recoil and torque greatly improving control and reliability.
- Greatly reduced parts wear due to proper alignment.

All parts are: Precision Machined—Heat Treated—Centerless Ground & each unit comes complete with spring.

—NO MODIFICATIONS-DO IT YOURSELF INSTALLATION—

!!!NO STRINGS LIFETIME WARRANTY!!!

If for any reason my system fails, just return complete unit & I will send you a new one "ABSOLUTELY FREE", no questions asked.

FITS—COLT—AMT—VEGA—ETC  
ALL MODELS—ALL CALIBERS

## ORDERING INFORMATION

M.O. or CERT. check will ship immediately. All others must clear.

C.O.D.'s ok for "CASH ONLY".

STD. or COMM. model: LIST \$18.50

6" or 7" LONG SLIDE model: LIST \$28.50

Specify exact model—add \$1.50 for H.I.S..

Calif. res. add 6% tax.

Send to: MAC'S .45 SHOP

P.O. Box 2028

Seal Beach, Calif.

ZIP: 90740-1028

PH: (213) 438-5056

DEALER-DISTRIBUTOR INQUIRY INVITED

COMPLETE ACCURIZING &amp; PARTS SERVICE—send 1gc. \$ASE for catalog.

**"STAINLESS STEEL" FINISH**

Accomplished with hard chrome plating.

Looks like stainless—wears like stainless—hard as stainless.

Revolvers \$85; Pistols \$74;

Long guns \$81 and up.

PARKERIZING—BLUING—NICKEL—GOLD (18K)

SPECIALIZING IN .45 ACCURIZING.  
SIGHT ALTERATIONS, TRIGGER ADJUSTMENTS

GENERAL GUN SMITHING

Send self-addressed,  
stamped envelope for price list.

**"ACCURATE" PLATING & WEAPONRY**

1937 Calumet St. No. 22  
Clearwater, Florida 33515

Wholesale—(813) 733-0923—Retail

**MAKER OF CUSTOM  
LEATHER PRODUCTS FOR THE  
PRACTICAL PISTOL SHOOTER**


#455  
"SECURITY"

Many new  
products for both  
autos and revolvers.  
Send \$1 for new '82 Catalog.

**G W M DAVIS**

P.O. Box 446 • Arcadia • CA 91006

**THE CYLINDER & SLIDE SHOP ANNOUNCES  
3 NEW PRODUCTS FOR SHOOTERS OF THE  
BROWNING HI-POWER**
**WIDE COMBAT TRIGGER**

- Drop-in installation
- Special design will not snag on holsters
- Reduces felt trigger pull
- Ideal for combat and target shooters
- Eliminates mag. safety

**\$ 24.95 each****EXTENDED MAG. RELEASE**

- Drop mag. without shifting grip
- No snag design
- Also fits Colt autos
- Easy installation (drill & tap 1 hole)

installation available \$10.

**\$ 19.95 each****EXTENDED SLIDE RELEASE**

- Drop-in installation
- Release slide without shifting grip
- Ideal shape for speed and comfort

**\$ 24.95 each**

complete with detailed instructions

please add \$1.00 postage per order



CYLINDER & SLIDE SHOP INC.  
P.O. BOX 937  
FREMONT, NE. 68025  
PH. 402 721-4277

Dealers please inquire

**WHAT'S  
NEW****Handgun Book**

The *Modern American Centerfire Handguns* by Stanley Trzoniec is a 288 page book that covers in pictures and print virtually every handgun on today's market. Within the book's covers are more than 250 photographs of the most modern pistols and revolvers. Accompanying data, diagrams, and specifications provide the reader with a comprehensive look at the handgun industry. In addition there are chapters on accessories, maintenance, reloading, and American centerfire cartridges. The suggested retail price is \$24.95. For more information contact Winchester Press, 1421 South Sheridan, P.O. Box 1260, Dept. AM, Tulsa, OK 74101, telephone (918) 663-4220.

**Hammer**

The old style Browning Hammer now is available from M-S Safari Arms. The hammer is designed to fit both new and old Browning Hi Power production models. Available in blue or stainless steel, the hammer has a suggested retail price of \$19.95. Additional information is available from M-S Safari Arms, P.O. Box 23370, Dept. AH, Phoenix, AZ 85063, telephone (602) 269-7283.





## Catalog

Iver-Johnson's Arms' 1982 catalog of firearms and accessories is now available. The 8-page catalog details various .30 caliber military style carbines, including the new stainless steel designs and the all-American walnut stocks. In addition, the catalog provides descriptions of the company's line of pistols: a .25 caliber automatic Pocket Pistol; a .380 Pony Pistol; and the new .22 caliber Pocket Pistol. All pertinent accessories are listed in the publication. For more information contact Sundberg, Mills & Demougeot, Dept. AH, 402 Main Street, Ridgefield, CT 06877.



## New .22 Auto

Mandall Shooting Supplies, Inc., is now distributing the Britarms 2000 Mark 2, made in Britain for pistol shooters who want quality. The adjustable trigger length enables you to have the ideal trigger distance. The Britarms 200 Mark 2 has a natural trigger finger angle, offset anatomical trigger and grips. The trigger finger never touches the frame or trigger guard. This .22 Auto has adjustable walnut grips for left-handed or right-handed shooters. For more information, write Mandall Shooting Supplies, Inc., P.O. Box 2327, 7150-4th St., Dept. AH, Scottsdale, AZ 85251.

## BUEHLER PISTOL MOUNT

A new improved Thompson Contender pistol base locates the front locking ring over the hammer where the greatest recoil stress is produced. Windage adjustment is forward. A good idea that adds strength and durability to the best mount available. Send for our complete line of rifle and pistol mounts.

Send for **FREE** Catalog 36H

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



## TOM'S GUN BLUING SHOP

1818 Crestview Drive, Carroll, Iowa 51401  
(712) 792-4238

Specializing in Douglas barrel target conversions on Rugers and High Standard 22's. PPC, Hunting and Silhouette Conversions on Smith, Colt and Ruger. In-Shop bluing, satin nickel and gold plating. Write or call after 4:30 p.m. Central Standard time for details.

**PERFECTION IS OUR STANDARD**

## BEAUTIFUL CONTROL

(For Colt .45, Detonics, Smith & Wesson Models 39 & 59.)

You will solve the problems of slippage and inconsistent hold by simply installing a pair of Bullshooters' Finger Groove Grips on your .45 auto.

Your scores will improve automatically as the finger grooves insure proper hand placement and totally eliminate shifting of the weapon especially during rapid fire.

These features, combined with the natural pointing and handling characteristics give the advantage you need in hunting or competitive shooting.



## SUPERIOR CONTROL DOESN'T HAVE TO BE UGLY.

Now you can have beautiful control in Cocobolo, Zebrawood, Rosewood, or other unusual exotic woods, like the exhibition grade Bocote illustrated above. Quality engineered, finely finished, your new Bullshooters' Finger Groove Grips will give you positive, beautiful control.

	Colt	Detonics	S&W 39 & 59
Walnut	\$24.95	\$24.95	\$33.00
Standard Grade Exotics	\$39.95	\$35.00	\$45.00
Exhibition Grade Exotics	\$70.00	\$70.00	\$70.00

For more information and complete list of exotic woods, send S.A.S.E.

Dealers write for discount information on all Bullshooters' products.



**BULLSHOOTERS' SUPPLY**  
Dept. AH/1241 East Prince Road/P.O. Box 13446  
Tucson, Arizona 85732/602-298-6924



Bullshooters' Supply is a division of the B.E.W.B. Corp.

Copyright, 1981, BEWB CORP.



# MILLETT

## Series 100 Adjustable Sight System

The Finest Pistol Sights In The World

This sight system replaces the factory sights with an all steel, highly finished, better fitting unit, which has finer click adjustments for windage and elevation. **NO GUNSMITHING REQUIRED** on rear sight installation.



Colt Combo 56.95  
Browning Combo 56.95  
Rear only 44.95

Series 100  
1911 Colt 45 Combo Browning Hi-Power



S & W K or N Frame 39.95  
(Specify model & barrel length)

Series 100  
Smith & Wesson K & N Series



Gold Cup Combo 51.95  
Colt Revolver 39.95

Series 100  
Colt Gold Cup Combo Colt Revolver



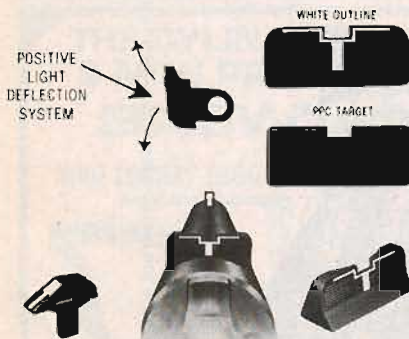
Ruger 39.95  
Dan Wesson 39.95

Series 100  
Ruger Revolver Dan Wesson Revolver

### Gun Smith's Service Kit

Series 100 Sight System 99.95

Interchangeable Sight Pictures



### Mark I Fixed Sight

This all steel precision made sight fits Colt 1911 Autos and the Browning P-35 hi-power fixed sight version. (Browning requires minor dovetail modifications.) Mark I Combo 27.95

## SEE YOUR LOCAL DEALER

If there is no dealer in your area, please send Cashier's Check or Money Order, plus sales tax (CA residents) and \$2 for shipping.

**MILLETT INDUSTRIES**

1631 GOTHARD ST., DEPT. AH, HUNTINGTON BEACH, CA 92647  
(714) 842-5575



## Belt holster for revolvers

Schulz Leather Co., Inc. has designed a belt holster to fit 4-inch barrel revolvers. It attaches from both sides on either a 1 3/4-inch or 2-inch belt. Slides to anywhere on your belt. The barrel and trigger are covered. This handsome holster is made of heavy black leather with a thumb-break attachment. Write Schulz Leather Co., Inc., 16247 Minnesota, Dept. AH, Paramount, CA 90723



## New .38 Special ammo

Omark Industries have developed the new Blazer .38 Special ammunition to reduce costs for centerfire ammo by the use of an aluminum alloy case and a Berdan priming system. Blazer is offered in 148-grain wadcutter and 158-grain round nose lead bullet loads. An additional +P load with 125-grain jacketed hollow point bullet is also available. The cost is about two-thirds the cost of brass cases. Suggested retail prices per box of 50 range from \$10 to \$12. Write Omark Industries, P.O. Box 856, Dept. AH, Lewiston, ID 83501.



## Colt .45 Accu-Comp

Wilson's Gun Shop has developed a Colt Govt. MK-IV .45 Auto IPSC competition gun, featuring the Accu-Comp system. This Combat gun has a special heavy barrel assembly with integral expansion chamber, which locks up to the slide without a barrel bushing to reduce both felt recoil and muzzle jump while increasing



THE procedure preferred by knowledgeable shooters to Reduce Muzzle Lift and Recoil.



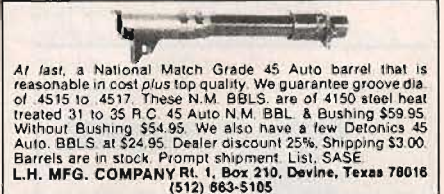
Mag-Na-Port Arms has 20 years experience with EDM technology, and 10's of 1000's of satisfied customers will attest to our expertise.

There's only one, genuine Mag-Na-Port process, and it's available only from the Mag-Na-Port locations listed below.

Mag-na-Port (313) 469-6727

Mag-na-Port of Canada (204) 633-7018

Send for FREE literature today.



At last, a National Match Grade 45 Auto barrel that is reasonable in cost plus top quality. We guarantee groove dia. of .4515 to .4517. These N.M. BBLs. are of 4150 steel heat treated 31 to 35 R.C. 45 Auto N.M. BBL. & Bushing \$59.95. Without Bushing \$54.95. We also have a few Detonics 45 Auto. BBLs. at \$24.95. Dealer discount 25%. Shipping \$3.00. Barrels are in stock. Prompt shipment. List, SASE. L.H. MFG. COMPANY Rt. 1, Box 210, Devine, Texas 78016 (512) 863-5105



JOHN SPILBORGH'S

P.O. BOX 40529  
SANTA BARBARA  
CA. 93103-1529

SPECIALIZING IN  
6" .45 LONG SLIDE



accuracy. The system also features special full length guide rod, threaded recoil spring plug, extended combat ejector and front sight mounted on the barrel. For complete information on the Accu-Comp system—write Wilson's Gun Shop, Route 2, Box 211-D, Dept. AH, Berryville, AR 72616.



### New for silhouettes

Federal Cartridge Corporation has designed a new .44 Remington Magnum cartridge for the metallic silhouette shooter. Called the 44C, this cartridge features a nickel-plated case and a Sierra-made 220-grain Metal Case Profile bullet. This bullet has a truncated cone design and a metal jacket that completely covers the base and sides, while leaving exposed lead at the flat nose. Designed for revolvers, this 44C performs well in rifles, where the deep penetration of a nonexpanding bullet is desired by hunters. The new .44 Remington Magnum cartridge is packaged 50 rounds to the box. For more information, write Federal Cartridge Corporation, 2700 Foshay Tower, Dept. AH, Minneapolis, MN 55402.



### Rib for Ruger Auto

The Poly-Choke Co. has announced a vent rib for the Ruger Mark I .22 Auto Target Model with a barrel length of 6 7/8 inches. This Ruger adds to the company's growing list of raised handgun ribs. Available for most Ruger single and double action revolvers are do-it-yourself rib kits. Write Poly-Choke, 150 Park Ave., Dept. AH, East Hartford, CT 06108.

# Hämmerli

Send \$1.00 for color brochure refundable with purchase

## WORLD'S FINEST COMPETITION PISTOLS

AVAILABLE MODELS: 150, 152, 232, 215, 208, P240, Sig P210-6

LICENSED IMPORTERS & SERVICE CENTER

## WAIDMANN'S GUNS INTERNATIONAL

2630 W. Deer Valley Rd., Phoenix, Az. 85027 • Phone: (602) 582-1955 Telex 165840

Jim Highley introduces the

### "COMBAT MASTER" IPSC competition rig.

Manufactured by Don Hume Leather Goods, the holster features butt-forward & cross draw, complete grip clearance, adjustable tension, steel lined, wide deep sight channel, slotted for 1-3/4" belt, adjustable tension pouch, double-lined 1-3/4" belt, and also available are revolver holsters and tension held speed loader pouch.



Send SASE to:

### COMBAT MASTER

202 South Elm

Immediate Delivery Dealer Inquiries Invited. Commerce, OK 74339



**WILSON COMBAT**  
No. 1 Competition Match  
Trigger (long-adjustable)  
\$15.95

## Wilson Combat™

FINE CUSTOM COMBAT HANDGUNS and  
ACCESSORIES for the DISCRIMINATING  
SHOOTER.

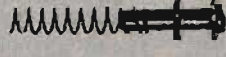


No. 4 Combat Stainless  
Magazine with base pad,  
7 rd. \$15.95



**WILSON COMBAT**  
No. 3 High Visibility  
Combat Sight \$25.00.  
No. 3D with 3 dot sighting  
system. \$32.00. We will  
install within 3 wks. for a  
\$20.00 labor charge.

- No. 2B SHOK-BUFF™ Replacement buffers (pkg. of 6) ..... \$5.50
- No. 6 Extended Combat Safety (blue or stainless) ..... \$19.50
- No. 7 Extended Combat Slide Release (blue or stainless) ..... \$21.50
- No. 10 Heavy Duty Recoil Spring (govt. or comm.) \$2.50
- No. 11 Heavy Duty Recoil Spring Kit (govt. or comm.) ..... \$4.50
- No. 5 Magazine base pads ..... \$1.50
- No. 34 WILSON COMBAT Extended Combat Ejector (100% positive ejection) ..... \$14.95
- No. 13 Pachmayr GM-45C Combat Grips ..... \$17.50
- No. 14 Pachmayr Mainspring Housing (B or C) ..... \$10.50
- No. 23 Break-Free CLP (90 gm.) ..... \$3.45
- No. 16 Rogers E-Z Loader Magazine Well ..... \$9.95
- No. 15 Rogers PPS Combat Grips (black) ..... \$14.95
- No. 18 Rogers World Holster, black (govt.-G.C., comm. or longslide) ..... \$34.95
- No. 22 Bbl. Bushing Wrench ..... \$3.00
- No. 31 Extended Magazine Release ..... \$21.95
- No. 21 Combat Blue Magazine with base pad ..... \$11.95
- No. 32 Wichita Adjustable Combat Rear Sight \$49.95
- No. 44 Hallock's .45 Auto Handbook ..... \$11.95



**WILSON COMBAT**  
SHOK-BUFF™ Shock  
Absorber kit (govt. G.C.  
or comm.) \$5.50



**WILSON COMBAT**  
No. 9 Commander Style  
Hammer 4140 steel  
\$16.95



**WILSON COMBAT**  
No. 12 DWYER™ Group  
Gripper™ Kit (govt.,  
G.C.) \$22.95. No. 12C  
commander model \$27.95.

Add \$2.50 postage and handling per order, COD's welcome. NO Credit Card orders please. Ark. residents add 3% sales tax.

All M.O. Cert. check and COD orders processed within 5 business days. Send SASE for price sheet OR \$2.00 for 1982 picture Brochure of Custom Combat Modifications and Accessories.

## WILSON'S GUN SHOP

Route 3, Box 211-D, Berryville, Ark. 72616

Phone: 501-545-3618



## DISCOURAGE BURGLARS PROTECT FAMILY & HOME SHOW 'EM WHERE YOU STAND

Place these large 3" x 4 1/2" two color vinyl stickers on your home, car, camper, etc.

4 for \$5.00  
10 for \$10.00

North American Tech.

Dept. 104  
P. O. Box 2710  
Mesa, AZ 85204

### WARNING

THIS PROPERTY IS PROTECTED BY  
**ARMED RESIDENT**  
CRIMINALS WHO PROCEED BEYOND  
THIS POINT WILL BE SHOT



### NU-LINE GUNS "UNDER RIB"

PPC GUNS BUILT 1 BULL BARRELS  
HANDGUN BARRELS RELINED  
HANDGUN CYLINDERS RECHAMBERED  
JAY SCOTT GRIPS & COLT PARTS — \$10 MIN. ORDER  
S&W SIGHTS INSTALLED ON COLT SLIDES  
S&W MOD. 28 TO 44 SPECIAL & 45 L.C.

6" Python Barrels \$52.95 prepaid

#### NU-LINE GUNS

1053 Caulks Hill Rd, Dept. AH  
Harvester, MO 63301

(314) 441-4500  
(314) 447-4501

SEND LARGE \$ASE  
FOR BROCHURE

## M500 CHRONOGRAPH

■ VELOCITY TEST  
YOUR RELOADS

■ FROM \$79

■ WRITE FOR FREE  
TEST REPORT:

Cust. Chr. Co. Box 1061, Brewster, WA 98812

## GUN REPAIR

at home...in spare time...quickly

- Repair — Handgun — Shotgun — Rifle
- 24-hour service on hard-to-find parts
- Buying — Selling — Trading • How to get your F.F.L. (Firearms) license
- Ballistics — Handloading
- Setting up Shop • Bluing Tanks
- Obtaining Parts Wholesale
- Stock Alterations — Pads — Sights
- Sporterizing — Customizing — Scopes

**APPROVED FOR VETERANS  
AND ACCREDITED BY THE  
NATIONAL HOME STUDY COUNCIL**  
30,000 Students Since 1946

CALL (602) 984-3460

### MONEY-BACK TRIAL OFFER MODERN GUN REPAIR SCHOOL

Dept. No. CG52  
2538 N. 8th Street, Phoenix, AZ 85006  
No Salesman Will Call. No Obligation.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_



### Colt Derringer replica

Butler Manufacturing, Inc. introduces The Count, an authentic firing replica of the Colt No. 3 Derringer. The Count features a black frame and barrel with highly polished walnut handgrips. It is available in .22 and .31 calibers with a retail price of \$45. The Count is also available with a red velvet-lined presentation case in either pinewood or cherrywood. For information—write, Butler Manufacturing, Inc., 240 Sargent Dr., Dept. AH, New Haven, CT 06511.



### Combat Silhouette

Mid-Oregon Iron is producing the Combat Silhouette, a steel plate scaled down version of the practical pistol target. The target is available in two sizes. The Rimfire series, dubbed the "Mini Combat," is 1/4 scale and made from 1/4-inch mild steel plate (ASTM-1020). The Rimfire targets are 4 1/2 inches wide by 6 inches high and are scaled to shoot at 25 yards. The suggested retail prices are \$7.50 per silhouette and \$87.00 for a set of 12. The Big Bore Handgun Silhouettes are 1/2 scale and are made of 1/4" high tensil steel, T-1 (ASTM 514). The silhouettes, 9 inches wide by 12 inches high, are scaled to shoot at 25 to 50 yards. The Big Bore silhouettes have suggested list prices of \$15 per target and \$85 for a set of six. More information is available from Mid-Oregon Iron, P.O. Box 807, Dept. AH, Bend, Oregon 97701, telephone (503) 382-6762.

## COMBAT SHOOTERS



Set up your own combat course with our "Combat Silhouettes." See your target fall when hit. All targets are precision cut and will last for years. "Centerfire Targets are for use with straight wall handgun calibers (.38 Special, .357 Magnum, 9 mm, and .45 acp.) and are cut from high tensil impact resistant steel (T-1)."

#### SPECIFICATIONS:

**CENTERFIRE** - 1/4" T-1 steel, 12" high, 8" across shoulders. They come in sets of six with two carrying handles. Weight per set - 46 pounds. \$85.00 per set.

**RIMFIRE** - 1/4" mild steel, 6" high, 4 1/2" across shoulders. They come in sets of 6 or 12 with one carrying handle. Weight: Set of 6, 12 pounds. \$45.00 per set. Set of 12, 24 pounds. \$87.00 per set.

Certified Check or Money Orders only. Personal checks must clear prior to shipment.

UPS used whenever possible.

Dealer inquiries invited. Call or write for information.



#### MID-OREGON IRON

P.O. BOX 807 ■ 300 S.E. SCOTT STREET  
BEND, OREGON 97701 ■ (503) 382-6762

### ALBERTS SWAGED LEAD PISTOL BULLETS

The Alberts  
offering

consists of  
**TWENTY** designs from

.32 to .45 PLUS a pair of belted conicals for black powder shooters. The depth of the Alberts line demonstrates our genuine interest in providing exactly the bullet you want. Pre-lubed for fast, clean reloading, and constantly checked against stringent manufacturing standards, you can be confident when buying Alberts.

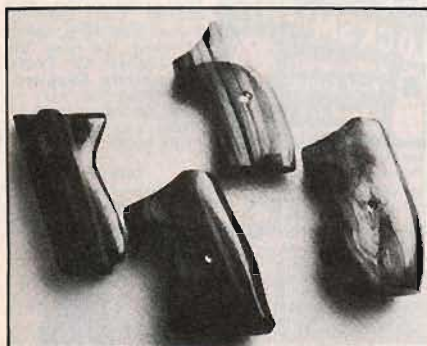
Swaged lead bullets are our only product — they have to excel.

Cost? Absolutely competitive — and Alberts prices have remained constant since 1979!

Send **50¢** for 4 page brochure, and 4 pages of Loading Data.

THE ALBERTS CORPORATION  
12-B Commerce Road • Fairfield, NJ 07006





## Pistol Grips

J. L. Galef, exclusive distributor of Monte Carlo pistol grips, is extending its line. The grips are crafted of a handsomely-grained Philippine Bolong wood with rubbed oil finish. The grips, which fit all Smith & Wesson, Colt, and Ruger handguns, are available in target, combat round-bottom, and combat square-bottom models. Contact J. L. Galef & Son, Inc., 85 Chambers St., Dept. AH, New York, NY 10007, for additional information.

## INFLATION

Continued from page 45

Red Dot Powder	\$0.013
R-P Small Pistol Primer	0.01
Speer 158 grain JSP Bullet	0.0665
W-W cases (used second time)	Free
Cost per round, (Round off to 9 cents per round.)	\$0.0895
Cost per 60 rounds	\$5.40

I threw in the labor at no charge. Had I bought this ammunition at today's prices at Hunters' Haven, it would have cost, before sales tax:

.41 Magnum	\$26.97
.357 Magnum	20.43
Total factory ammo cost	\$47.40

What a difference!

Some may consider that the purchase cost of my handloading equipment ought to be included in my figures. I disagree because, for me, this is a capital cost, rather than a cost of production. But, for readers who insist, here is what this would amount to. My loading press, powder scale and measure, and seven sets of handgun dies were bought in 1974 and cost \$138.44. True, I have added a number of items since, but press, scale and measure, and dies were the essentials. The additional equipment is convenience items such as Lee priming tools, I load for nine handgun calibers.

My records, admittedly far from perfect, show that I have loaded about 1,800 rounds of all calibers over the intervening years, making my cost of setting up about 8 cents per round. Adding this to the cost of the ammunition I loaded recently, it makes:

.41 Magnum	\$0.11 + \$0.08 = \$0.19 x 60 = \$11.40
.357 Magnum	\$0.09 + \$0.08 = \$0.17 x 60 = \$10.20

This is still a heap cheaper than commercial loads—less than half-price!

There is one final aspect to be

**BROWNELLS Inc.**

## BROWNELLS CATALOG #34

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

### ONE HUNDRED AND FIFTY PAGES

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

#### SELECTED FOR THE SELECT

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

**Price \$3.25\* — FREE TO QUALIFIED GUNSMITHS/DEALERS (FULL & PART TIME)**

Serious Gunsmiths & Hobbyists (Our new regular customers of the future): Ask, and we will send Federal Firearms Licensing procedures with your \$3.25 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: \$4.25

**BROWNELLS, Inc.** 260 S. GROVE MONTICELLO, IOWA 50171

\* Refunded on first \$30.00 order

## CRAWFORD COMBAT PISTOLS CUSTOM BUILT .45 AUTOS



**Highest Quality Combat  
Modifications**

1976 USA  
Olympic Shooting  
Team Member

Send two 20¢ stamps  
for Picture Brochure.

Swain Drive  
Pleasant Valley  
New York 12569  
(914) 635-3210

**DICK CRAWFORD PISTOLSMITH**

## MEL TAPPAN

"...the survivalist voice  
of reason..."

-Laura Cunningham, The New York Times

## TAPPAN ON SURVIVAL

WITH ILLUSTRATIONS BY  
JERRY POURNELLE

## NOW AVAILABLE BY POPULAR DEMAND

Mel Tappan's *Guns & Ammo* and  
*Soldier of Fortune* columns  
under one cover for the first time.

The articles that sparked the survival movement. A superb introduction to the subject of long-term survival. Tappan on the economy, retreating, firearms, food, communications, etc. 320 pages \$7.95 + \$1.00 postage and handling. VISA and Master Charge accepted.



**the janus press**  
P.O. Box 578, AH  
Rogue River, Oregon 97537  
(503) 582-1520

Books paid for with money orders or cashier's checks shipped within 24 hours.  
Personal checks must clear. (Include street address for UPS shipment.)

**MAIL THIS COUPON TODAY:**

Send To:  
**THE JANUS PRESS**  
P.O. Box 578, AH  
Rogue River, Oregon 97537

Make checks payable to THE JANUS PRESS

Name \_\_\_\_\_

Address \_\_\_\_\_

Card No. \_\_\_\_\_ City \_\_\_\_\_

Exp. Date \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

MC Interbank No. \_\_\_\_\_

No. of Copies \_\_\_\_\_ Signature \_\_\_\_\_

Amount Enclosed \_\_\_\_\_

Check here... ☐ Check ☐ Money Order ☐ Master Charge ☐ Visa

AH



## .45 AUTOMATIC PISTOL PARTS

Hammer Strut	\$1.25
Hammer Strut Pin	.20
Barrel Link	.75
No. 13 Barrel Link (For Matching Guns) 12.6x19.4	.85
Barrel Link Pin	.35
Firing Pin	1.25
Firing Pin Stop	1.50
Plunger Tube	1.95
Ejector	1.95
Grip Screw	.30
Recoil Spring	.45
Magazine Catch Spring	.30
Firing Pin Spring	.30
Main Spring	.30
Plunger Tube Spring	.30
Recoil Spring Plug	1.50
Grip Screw Bushing	.55
Main Spring Cap	.30
Main Spring Cap Pin	.30
Main Spring Retainer	.30
Slide Stop Plunger	.30
Safety Plunger	.30
Grip Safety (Long)	7.95
Hammer Pin	.30
Sear Pin	.30
Ejector Pin	.25
Main Spring Housing Retainer Pin	.30
Mainspring Housing (Flat)	7.95
Mainspring Housing (Gold Cup Style)	8.95
Recoil Spring Guide	2.25
Disconnecter	5.95
Trigger (Long)	6.95
Trigger (Short)	5.95
Trigger (Adjustable Match, Aluminum)	8.95
Trigger (Adjustable Match, Blue Steel)	10.95
Sear Spring	.95
Hammer (1911A1)	8.95
Barrel Bushing	5.95
Sear	6.95
Magazine Catch Lock	1.25
Magazine Catch	5.50
Grips (G.I.)	3.95
Magazine	5.95
Slide	65.00
Rear Sight	1.50
Front Sight	1.50
Extractor	4.75
Thumb Safety	6.95
Slide Stop	6.95
Barrel	35.00
Pin Set	1.50
Spring Set	2.50

Please include postage. Texas residents please include 4% sales tax. COD and Visa and Master Charge orders accepted. Write or call to get our monthly mailing of bargain priced gun parts and accessories.

## TEXAS ARMAMENT CO.

P.O. Box 135 AH5, Brownwood, TX 76801  
915/646-5827

considered in the matter of handloading: *flexibility*. This is the reloader's ability to tailor loads to his own specifications, and to experiment with a wide variety of primers, powders, and bullet types and weights. This flexibility makes it possible for the handloader to search in a reasonably intelligent way for those combinations which provide the best accuracy, and to develop special loads for a variety of purposes. Suppose, for example, that I am a law enforcement officer in an urban area and require ammunition that is effective against human targets, but offers minimum danger of overpenetration and ricochet. I'd likely choose a .357 load a bit less than maximum in pressure, and the Spear 125- or 140-grain jacketed hollow-point bullet. If, on the other hand, I hunt a lot in country where black bear are a danger, my considered choice would be a maximum power load with a 158- or 160-grain hard semi-wadcutter or jacketed soft point which delivers deep penetration in big game.

Flexibility also makes it easy to develop a specific load for a "service" arm which does not have adjustable sights so that the gun will shoot where the sights point.

Flexibility is a subjective matter, of course, and it is probably worth a great deal more to me than to the average shooter. For me, getting set up to handload would have been cheap at five times the cost!



## NEW SERVICE

*Continued from page 44*

in these two groups run through the years 1921-1922-1923.

New Service serial numbers are normally found in three places: on the frame inside the crane cut, on the crane, and inside the sideplate. It appears that Colt's practice was to number these components together after the crane and sideplate had been hand-fitted to the frame. The hand-fitted parts could then be reassembled on the correct frame when separated later during manufacture, which could be a year later, on a slow-selling model. Then the completed, inspected gun could move from the assembly room to the shipping room, where it could remain on the shelf for a few more years. As a result, the shipping dates on a few guns could be several years later than the normal shipping dates for that serial number range.

This leads up to the final period of New Service Target production.

### IMPROVED MODEL (1928 to WW2)

The period from 1928 to the end of production of the New Service Target covers the serial number range from about #327900 to #342050. Production of the standard-frame New Service went on to over #356000. This period also saw production of the shooting Master (see sidebar). Twenty-one New Service Target re-

Be a  
**LOCKSMITH!**  
EARN WHILE  
YOU LEARN  
Send for  
FREE BOOK

Locksmithing Institute, Dept. 091-052  
Div. Technical Home Study Schools,

Big opportunities. Big profits. Earn quickly. Full or part time. Learn at home. It's easy. Do real jobs! All Tools — Materials Supplied. Lic. State of NJ — Appd. for Veterans. Send Name and address for FREE book.

Little Falls, N.J. 07424

### 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 \$5.00; GOLD \$5.25



### TYLER'S TRIGGER SHOE

Durable light weight cast aluminum for Colt, S & W and many other modern pistols, rifles and shotguns. POLISHED or BLACK \$3.75; GOLD FINISH \$4.00

ORDER DIRECT OR AT YOUR FAVORITE DEALER. 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. Lee Loaders—Bullet Molds—Gun Accessories. Buck Knives—Handmade Holsters & Belts. Leather & Clarino. Dealer Inquiries Welcome—Add \$1.00 postage.

MELVIN TYLER MFG. AND DIST.

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



### THE ORIGINAL RIG®

Rust inhibiting grease is back at your local gun dealer or sports shop now!

or write to:

RIG PRODUCTS

P.O. Box 1488

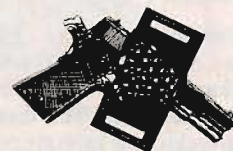
CANOGA PARK, CA 91304

AH5

©1981 Mitann Inc.

## How To Make Practical Pistol Leather

By J. David McFarland



Any style holster, for any handgun, right- or left-handed, is instantly available and affordable — if you make it yourself. Step by step instructions reveal all the secrets of successful holtermaking: leather selection, tools needed, designing holster patterns, how to select the holster type that best fits your needs, wet molding the holster to the gun, and more. Special pull-out section in center has full size holster patterns for Colt .45 ACP, S&W M19, Ruger Blackhawk, Beretta Jaguar, Colt Diamondback, etc. Large 8 1/2 x 11 format, profusely illustrated with photos & line drawings.

Book No. 150 ..... \$6.95



DESERT PUBLICATIONS

Dept. AH—Cornville, AZ 86325

I have enclosed \$ \_\_\_\_\_. Please rush me \_\_\_\_\_ copy(s) of:

How To Make Practical Pistol Leather  
(Arizona residents please add 4% state sales tax)

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_



volvers were surveyed in the period from 1928 to WW2:

.44 Special	3	(14%)
.45 Colt	13	(62%)
.45 ACP	2	(10%)
Other	3	(14%)
	21	

The most noticeable change during this period was the shift from the attractive hand-checked grips to the new machine-checked grips, with nickel-plated Colt medallions. This change occurred about 1928, together with the addition of the 1926 patent date to the top of the barrel.

Other minor changes seen during the 1920s include a change from the old square cylinder latch to a rounded, checkered latch that did not jab the thumb so sharply during recoil. Also, the flat topstrap of the frame was modified by a gray sandblast finish that reduced glare and 45-degree bevel cuts on the sides of the topstrap.

In 1933 Colt added the .45 ACP caliber to the New Service Target, with the barrel marking ".45 AUTO. CTGE." Both 6-inch and 7½-inch barrels were offered in all calibers. The 6-inch barrels and the .45 ACP are both scarce. By 1935 both the traditional square butt and the new "round" butt were available, but few, if any, New Service Target guns were made with the round butt. By about 1928 the old U-notch rear sights and bead front sights had given way to the Patridge style, with square rear sight notch and flat-faced front blade of 1/10 and 1/8-inch width. By 1938 the gray sandblast "stippled" finish of the topstrap was extended down the back of the frame on either side of the hammer to reduce glare. Colt at last marked the full name of the gun on the barrel: New Service Target.

#### NEW SERVICE TARGET.

Caliber .455 Eley was occasionally listed in the catalogs, but this survey has not turned up any .455 New Service or New Service Target arms above serial number 147,000 (circa 1916).

Four more factory engraved New Service Targets are noted during this final period, making a total of 8 observed during this survey. An engraved pair in .45 Colt, with consecutive numbers, was furnished in 1934 to cowboy actor Jack Hoxie.

A silver-plated pair (not engraved) in .44-40 with 6-inch barrels was shipped in 1931 to Gus Peret, a well-known big-game hunter and exhibition shooter for the Peters Cartridge Company.

In about 1931 Colt made an experimental New Service Target in caliber .22 Hornet, but did not put this caliber into regular production. In 1932 Colt made a revolver for an experimental Remington .41 Special cartridge, firing a 210-grain bullet at velocities up to 1150 feet per second. This fascinating experiment was the result of efforts by Fred Moore and the legendary J.H. Fitzgerald ("Fitz") of Colt. Their goal was to develop a more effective police revolver cartridge, but they did not follow through with this interesting project.

Colt continued to number the flattop

## COMBAT COMPETITION FIXED SIGHT

PAT. PENDING

DESIGNED BY RICHARD HEINIE

for all 1911 Series Auto Pistols

adaptable to other large frame auto pistols

NEW

#### DESIGNED FOR:

I.P.S.C. COMPETITION  
POLICE & MILITARY USE

#### PRICE:

\$28.50 per set  
add 1.50 postage & hdg.

\$55.00 Installed  
add \$6.00 per gun ship. & hdg.

Ill. Residents add 5% sales tax  
send \$1.00 for complete  
brochure of services

DEALER INQUIRIES INVITED



NEW

MACHINED FROM  
4140 STEEL

ALL SHARP CORNERS  
ROUNDED

FRONT SIGHT IS  
MODIFIED RAMP

CERTIFIED CHECK

OR

MONEY ORDER

RICHARD HEINIE

821 E. ADAMS, DEPT. AH-582  
HAVANA, ILL. 62644

## UNDERCOVER SPECIALS!



Cut from top grain  
cowhide, fully lined  
with Kirkpatrick's  
special glove lining  
for handgun  
protection.  
Contains full welt  
construction, safety  
straps and quick  
adjusting harness.

GL90 for 2"	
revolvers	\$30.00
GL91 for 2½"	
revolvers	\$30.00
GL92 for 4"	
revolvers	\$32.00
GL96 for 6"	
revolvers	\$35.00
GL98 for 8"	
revolvers	\$37.00
GL93 for .25	
autos	\$30.00
GL94 for .32-380	
autos	\$30.00
GL95 for 45 autos	
& 9mm	\$32.00

Send cashier's  
check or money  
order only. Color  
catalog: \$2.00.  
When ordering give  
weight, height,  
shirt size, gun  
make and BBL  
length. Texas  
residents add sales  
tax.

Dealer Inquiries  
Welcome.

KIRKPATRICK LEATHER CO.

P.O. BOX 3150 • LAREDO, TEXAS 78041 • (512) 723-6631



## DOUBLE ACTION KITS FOR YOUR 45 AUTO!

"I consider the .45 Colt 1911 with C.A. Raville's improvement Double Action Kit to be the fastest and best of all auto pistols for peace officer, or any defense work against man targets."

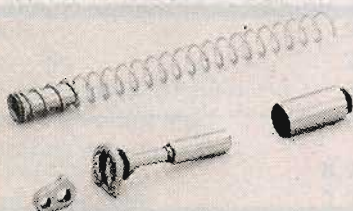
Elmer Keith



**THE SAFEST MOST RELIABLE DOUBLE ACTION SYSTEM IN THE WORLD!!!** No Modifications Or Alterations To Your Weapon! Drop in installation! Fits all Colt type automatics in all calibers. Full double action operation with single action trigger pull every shot. Built-in external adjustable trigger stop and 100% stainless steel construction. The housing is fully contoured to fit your hand; increasing controllability and recovery time. Eliminates hammer bite and reduces apparent recoil. Currently in use by Police Departments and combat experts throughout the world.

**\$89.95**

### THE NEW MULTRA ACE MARK II RECOIL ABSORBER



- The Multra Ace is a true accurizing system, and not simply a spring buffer.
- Accuracy and reliability is increased enormously. Reduces wear on all moving parts.
- Precision made to exacting tolerances. Stainless steel throughout.
- Recoil absorbed by piston in sealed chamber filled with inert gas.

Multra Ace is available for all Colt type .45 autos. Complete kit includes micro-polished recoil spring, recoil spring plug (precision ground with taper lock to bushing), new cam link. Ready now in Blue, Nickel, or natural Stainless Steel finish. Complete details in new catalog! When ordering state finish desired and weapon model.

**\$49.95**

### SOLID BRASS FRAMES AND EJECTOR ROD HOUSINGS FOR RUGERS



**HOUSING: \$26.95  
FRAME: \$69.95  
BOTH ONLY: \$89.95**

Allow 45 days for delivery.

\*Custom made for RUGER single action including "Bear Cat". A contrasting touch of class for your blued RUGER. Frame is hand polished to a mirror finish from solid brass bar stock. Sorry, no frames for "Bear Cat". State model and caliber when ordering.

**Caraville Arms**

**TO ORDER:** P.O. Box 4545  
Thousand Oaks, CA 91360  
Call (805) 499-1234 for special service.  
Send \$2.00 for catalog...refundable  
with order.

1355 Lawrence Drive Newbury Park, CA 91320

target frames in large groups. One group, #327921-328075, apparently consisted of about 150 guns, followed by another group of about 50. Assembly of the two groups started at about the time of the great Wall Street crash of 1929. During the depression that followed in the 1930s, completion and shipment of these guns trickled on for many years. Some guns from these two groups show shipping dates from 1930 to 1932. One gun from this group was assembled and sent to the shipping room in January, 1931. Another gun whose serial number was only 18 numbers higher, was assembled and sent to the shipping room in December 1929. Colt Historian Marty Huber researched the shipping records clear up to 1937 without finding the shipping record on either of these two guns.

Production groups during the rest of the 1930s were much smaller.

The highest serial numbers noted to date for the New Service Target revolvers are a small group scattered in the #342,000 to #342,050 range. These arms fall in a large group of Shooting Masters in 1938. No New Service Target has been observed in this survey with a higher number. Reports indicate that some of these late New Service Target revolvers, assembled circa 1938-1940, gathered dust on the shipping room shelf until they were finally shipped during the 1940s. That was the end of production.

It is estimated that Colt made 3,000 to 4,000 New Service Target revolvers, on an average of 100 guns per year for 40 years. This estimate will probably turn out to be wrong.

All variations of the Colt New Service, New Service Target and Shooting Master have been classified as curios or relics by a 1980 ruling of the Bureau of Alcohol, Tobacco and Firearms. Relics they may be in the eyes of the government, but they are still very accurate, dependable revolvers.

## S&W M-13

*Continued from page 33*

The round sight tends to compel the shooter to elevate the front sight to "complete the arc"—an optical illusion. This required a bit of compensation by most shooters who tried the gun.

In any event, all who used the 3-inch Model 13 agreed that it was more than accurate enough for its intended mission and certainly was as concealable as most 2-inch snubbies.

Several of the law enforcement personnel who carried concealed 4-inch .357s said they liked the 3-inch configuration of the Model 13 but were concerned by the possible loss of velocity from the missing inch.

The answer came from Mike Czayka at Smith's ballistics labs. He conducted tests that showed the "lost inch" costs only between 50 and 100 fps for 110- and 125-JHP



## FORMED POCKET HOLSTER

Made from top grain cowhide with heavy duty stitching. The rough side is exposed so it will not slip out. MEASURES: 5" high, 4½" wide. FITS: all small frame .38 with 2" barrel (i.e. SW Model 36-60, Colt Detective Special, Cobra, and Agent, Charter Arms Five Shot .38).

**\$14.50**

Cal Residents

Add 6%

Send Check or M.O. to:



**Schulz Leather Co. Inc.**

16247 Minnesota Ave.

Paramount, CA 90723

(213) 633-1081 or 636-7718

HANDGUNNERS: Send \$1 for catalog. Get \$1 off the purchase of any item.



WE SHIP TO  
ALL FIFTY STATES

**FIREWORKS**  
Thousands of Items  
to choose from  
for best selection order early.  
NO MINORS

**Full Color Catalog Kit—\$2.00**  
REFUNDABLE WITH YOUR FIRST ORDER



Toll Free Nationwide

**1-800-321-6001**

MAJOR CREDIT CARDS ACCEPTED

**FIREWORKS UNLIMITED**  
8550 ROUTE 224 \* DEERFIELD, OHIO 44411

**ORDER EARLY**

YOU'LL EXCITE  
EVERYONE WITH OUR  
BIG AND BRIGHT ASSORTMENTS

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_  
State \_\_\_\_\_ Zip \_\_\_\_\_

PLEASE PRINT TO ASSURE PROMPT CATALOG DELIVERY!



.357 rounds and actually picks up an average of 16 fps for the 158-JPH .357. In short, nothing lost.

In our opinion, the 3-inch Model 13 has a lot going for it. Its size is ideal for concealment on the street or for home defense and it has plenty of wallop for either use.

And don't forget PPC. Several competition shooters who used the Model 13 are already looking for 13s of their own. It would be the ideal gun for the "off duty" PPC class that's growing in popularity, they told us. Of course they would "modify it just a bit," but then PPC shooters will modify anything.

Our guess is that you'll be hearing a lot more about the 3-inch Model 13. Our guess also is that they'll be darn tough to get as word spreads of their versatility.



## LASER SIGHTS

*Continued from page 39*

Rich Davis shot me down. No Laser Blazer in anything but the unlimited match. Drat! Back to the drawing board.

A couple of problems had shown up with the design. One is that, even in warmth, a charged battery is only good for about 15 minutes "On." In deep cold, this plummets, because cold draws the energy right out of a NiCad battery. I got the gun Christmas Eve, and test fired it Christmas night, with the thermometer at 14 below, which computed to 45 below zero with the windchill factor. The beam faded and died after five minutes of shooting, or less than two minutes "On" time.

Another is that, again, the light fades out of vision rapidly in bright surroundings. Of course, you have the regular sights there, but your head is programmed to find the red dot.

It's almost unbelievable what this thing does for night shooting skill. As a comparison gun, I took a hard-chromed 6-inch Trooper Mk. III, with a Magnaport job and Cannon action, and waited for dark. On shooting buddy Rick Devold's range, a full moon gave us about enough light to make out the shape of the FBI silhouettes at 35 yards. Using the Chapman night-shooting technique of lining up on light to the side, in this case the moonlight on the white edge of the paper, I fired twice with the conventional Colt. The slow and deliberate shots hit once in the right arm, once in the left chest. Oh, well... even Chapman doesn't recommend the technique beyond 25 yards.

Using a two-cell flashlight, I fired twice more and put both in the Kill zone, but several inches apart. I then picked up the LPC 7 and, firing from the hip, rapidly cranked off six rounds with the red dot in the target's midsection. Five holes were tightly clustered in the belly area of the K zone, with one high in the spleen. Still, it was a perfect 30 score, and fired faster than

*Continued on page 74*

# GUN PARTS 10<sup>TH</sup> EDITION Catalog

The most comprehensive guide of its type!



**World's largest supplier of gun parts.**

NUMRICH ARMS, the world's largest supplier of gun parts, offers new Catalog No. 10 covering a 150 million parts inventory with information never before in print.

U.S. PRICE \$2.95  
FOREIGN \$3.95



**NUMRICH ARMS, CORPORATION**

P.O. BOX AH-5, W. HURLEY, N.Y. 12491 PHONE (914)679-2417 TELEX 145331

## A Guide To HANDMADE KNIVES

THE OFFICIAL DIRECTORY OF THE KNIFEMAKERS GUILD

No collector's library should be without this invaluable reference as it explores the extraordinary quality of the Guildmakers' artistry and craftsmanship in their knife work. Personal accounts by members of the Guild are a source of great interest as they cover such topics as investing in handmade knives; knife collecting; custom knives; the techniques and materials used by Guildmakers; and the selection and commission of a handmade knife. Receive your copy today for only \$9.50 plus 50¢ postage and handling.



edited by  
**Mel Tappan**  
**HANDGUNNER BOOKS**  
Dept. 59-AH5

591 Camino de la Reina,  
San Diego, Ca. 92108

Please send \_\_\_\_\_ copy(ies) of  
**A GUIDE TO HANDMADE KNIVES** at \$9.50 each with 50¢ postage and handling per copy.

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_  
STATE \_\_\_\_\_ ZIP \_\_\_\_\_

Ca. residents add 6% sales tax Allow 4 to 6 weeks delivery.

## CUSTOM COMPETITION HANDGUNS

FROM THE ACCURACY SPECIALIST,  
ALPHA PRECISION

The "FIRST IN ACCURACY" is our name



**PPC, ISPC, DUTY, TARGET,  
SILHOUETTE, AND SPORT**



- Competitive prices • Over 20 years experience • Dependable functioning • Professional craftsmanship •
- All work fully tested and guaranteed •
- Fast service, less than 15 days for most work •
- Send large SASE for details •

**ALPHA PRECISION, INC.,** Dept. 01, 1231 Sunderland, Ct.  
Atlanta, Georgia 30319 (404) 458-0477



# HANDGUN MARKET

Classified ads 35¢ per word per insertion, including name and address. Minimum charge \$4.90 per ad. Copy must be submitted with payment in advance. No cash or frequency discount allowed. All ads must be received with advance payment by not later than the 14th of the fourth month preceding date of issue. Example: Closing for July/August issue (on sale May 1) is March 14th. Ads received after closing date will appear in the following issue. Please type or print clearly. No proofs furnished. Include name, address, post office, zip code, city and state as counted words. Abbreviations count as one word each. Mail to AMERICAN HANDGUNNER Magazine, 591 Camino de la Reina, Suite 200, San Diego, Calif. 92108.

## ACCESSORIES

Bulletproof Vests. Concealable. Lightweight. Inexpensive. Stops .44 mag. Ballistic sample: \$3.00. Info: \$1.00. CWS, 898-A Lanakila, Pearl City, HI 96782.

**SELF-LUMINOUS T-SIGHTS** precision, custom-fitted to your handgun, rifle or shotgun. Line up sights in dark or semi-dark as accurately as in daylight. Visible to firer only. T-Sights glow reliably, continuously for many years, without batteries or bulbs. Free technical and price info: **SELF-POWERED LIGHTING, INC.**, 8C Westchester Plaza, Elmsford, NY 10523.

**DISCOUNT RCBS RELOADING EQUIPMENT, KNIVES, BOOKS AND ACCESSORIES.** \$1.00 FOR DISCOUNT PRICE LIST. BLADE AND BARREL. P.O. BOX 2121 DEPT. H, OROVILLE, CA 95965.

Gun Holsters: Authentic handmade construction. 400 Styles available. Catalog \$1.00. Gibbs of Texas, Rt. 2 Box 758, Big Sandy, TX 75755. Dealers wanted.

## BOOKS

**COLT'S SAA POST-WAR MODELS** by Geo. Garton. All info verified by COLT! History, scarce or rare models. Buntline specials, flap-tops, production figs, commemoratives + MORE! \$17.95 + \$1.50 post. **HANDGUNNER BOOKS/Dept-CA**, 591 Camino Reina, San Diego, CA 92108\*\*\*

**GUNSMITHING** by Roy F. Dunlap. A volume that will be a constant source of info for many years to come. A complete one-book reference for the professional and amateur alike!! \$24.95 + \$1.50 post. **HANDGUNNER BOOKS/Dept-CA**, 591 Camino Reina, San Diego, CA 92108\*\*\*

**SURVIVAL GUNS** by Tappan. A guide to the selection, modification and use of firearms and related devices for defense, food gathering, etc. \$9.95 (softbound) + 75¢ post. **HANDGUNNER BOOKS/Dept-CA**, 591 Camino Reina, San Diego, CA 92108\*\*\*

**MAUSER BOLT RIFLES** by Olson. Over 672 photos, drawings, exploded views and cutaways. Charts, spec tables, data tables and symbols. \$24.95 + \$1.50 post. **HANDGUNNER BOOKS/Dept-CA**, 591 Camino Reina, San Diego, CA 92108\*\*\*

**U.S. CARTS & THEIR HANDGUNS** by Suydam. Softback Only! Most info ever printed on the subject! \$9.95 Softbound + \$15.95 Hardbound + \$1.50 post. **HANDGUNNER BOOKS/Dept-CA**, 591 Camino Reina, San Diego, CA 92108\*\*\*

**PISTOLS OF THE WORLD**, Hogg & Weeks. **THE ABSOLUTE AUTHORITY** reference manual on the modern, unique, exotic, rare or otherwise handgun. \$24.95 + \$1.50 post. **HANDGUNNER BOOKS/Dept-CA**, 591 Camino Reina, San Diego, CA 92108\*\*\*

**PERSONAL DEFENSE** by Collins & McLoughlin. A guide to personal safety with common sense do's & don'ts, defense against firearms and edged weapons, what to do after it's over and more. \$9.95 + \$1.50 post. **HANDGUNNER BOOKS/Dept-CA**, 591 Camino Reina, San Diego, CA 92108\*\*\*

**STATE PISTOL LAWS**, latest pistol carrying, purchasing, etc., regulations for all states and FEDERAL GUN LAWS. Both booklets \$4.00. **POLICE EQUIPMENT CATALOG** \$2.00. Schlesinger, 415 East 52nd St., New York, NY 10022, Department E.

**ACTION TITLES FROM PALADIN PRESS!** Send for catalog on self-defense, weaponry, sniping and marksmanship, creative revenge, survival plus much more. \$1.00. **Paladin Press**, Box 1307-AHC, Boulder, CO 80306.

**GUERRILLA WARFARE/URBAN & RURAL SURVIVAL/ALTERNATE IDENTITIES.** Book List \$2 (refundable). **DEALERS WANTED!** Discounts to 60%!! **TECHNOLOGY GROUP**, Box 3125, Pasadena, CA 91033.

**UNUSUAL BOOKS.** Silencers, lockpicking, survival, knife fighting, undercover investigations, weapons, fake ID, crime, police manuals, more! 500 titles in huge illustrated catalog. \$2.00. **Loompanics**, Box 264-B, Mason, WI 48854.

**"SURVIVALIST'S"** Book Catalog. 100's of titles, weapons, defense. Don't delay Rush \$1.00 today, to: Ken Hale (205), McDonald, OH 44437

## BUSINESS OPPORTUNITIES

**FORMER SHAKLEE PRESIDENT STARTS NEW COMPANY!** Need founding sponsors. Write: Enchance Marketing, Box 6372 (AH), SLC, UTAH 84106, 801-466-2474.

**"LEARN GUNSMITHING"**. Yavapai College is a fully accredited community college with V.A. approval. Excellent facilities, experienced instructors, great mountain climate makes this the place to learn gunsmithing. Write to Yavapai College, Attn: GUNSMITHING INSTRUCTOR, 1000 E. Sheldon, Prescott, AZ 86301, 602-445-7300.

## FIREWORKS

**BEER CAN MORTAR.** Complete information and detailed instructions, no complicated machining, range of 1000 yards. Information on bursting projectiles included. Send \$4.00. **Pioneer Industries**, Box 36, 14A Hughey St., Nashua, NH 03061.

**FIREWORKS, BUY DIRECT.** Price list, Send \$1.00 to ACE FIREWORKS, P.O. Box 221, Dept. H, Conneaut, Ohio 44030.

**Fireworks!** Discover wholesale suppliers, professionals, associations, history, etc. **Fireworks Book**—\$4.00. **Pyrosomic Sales**, Dept. 5AH, 207 Bogie, East Lansing, Michigan 48823.

**FIREWORKS**—Where to buy any type of fireworks ranging from ladyfingers to giant aerial shells shot at public displays. Products include firecrackers from \$2.60 a brick, bottle rockets \$1.75 a gross, M-80's, Blockbusters and hundreds of other class B fireworks. Send \$3. for list of addresses, phone numbers, and sample product descriptions from 20 great companies which will sell these items through mail order. **PYROTECHNICAL RESEARCH**, Dept. F Box 230, RFD #1, Mystic, CT 06355.

## FOR SALE

**GREAT SPORTING POSTERS**—24/set, full color. Collection of scenes from Remington, UMC, Lelever, Abercrombie & Fitch, Winchester, etc. Printed on heavy duty stock. \$12.95 + \$2.35 post. **HANDGUNNER BOOKS/Dept-CA**, 591 Camino Reina, San Diego, CA 92108\*\*\*

**COLT .45 AUTO PISTOL. COMPLETE MANUAL.** More than 100 pages, 80 photos and illustrations. Details on disassembly, repair, construction, and marksmanship. \$6.50 Catalog \$1.00. **MONEY ORDER or CREDIT CARD ONLY.** **SURVIVAL BOOKS**, 11106 Magnolia Blvd., North Hollywood, CA 91601. (213) 763-0804.

**CROSSBOWS**—For hunting, target competition or just plain fun. Cat. send \$2.00, RW Dist., P.O. Box 1817, Des Plaines, IL 60018.

## INSTRUCTION

**REMEMBER THE OLD ASH CAN, M80, etc.?** Complete detailed instructions on above and many others. Send \$3.00 to: **Pioneer Ind.**, Box 36, 14A Hughey St., Nashua, NH 03061.

**THOMPSON SUB MACHINE GUN**, now you can convert your 27A-1 or 27A-5 Thompson to full auto. No parts to buy, no machining only minor changes done in minutes. Cycle rate 650 or 1200. Send \$24.95 for instructions to H. & H., P.O. Box 296, Pendleton, In. 46064.

## AMMUNITION

**SWAGGED LEAD BULLETS, HARD, HIGH QUALITY.** DRY LUBRICATED 38/357, 158 GR SWC, RN. \$42.60/1000; 148 GR WC — \$40.80/1000. **DISCOUNTS AVAILABLE FOR LARGER QUANTITIES.** **KJM ENTERPRISES, PO BOX 757, SALEM, NH 03079**

## MILITARIA

W.W. I, W.W. II, Military Souvenirs, all countries, including collectors one of a kind. Complete catalog \$3.00. **World Militaria Store Dept. G**, Box 29412, Honolulu, Hawaii 96820.

## MILITARY SURPLUS

**J-E-E-P-S, C-A-R-S FROM \$35.00!—700,000 ITEMS!—GOVERNMENT SURPLUS—MOST COMPREHENSIVE DIRECTORY AVAILABLE TELLS HOW, WHERE TO BUY—YOUR AREA—\$3—MONEYBACK GUARANTEE—"SURPLUS INFORMATION SERVICES," BOX 3070-UF2, SANTA BARBARA, CALIFORNIA 93105.**

## MISCELLANEOUS

**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.

**HANDCUFFS**—Smith & Wesson \$22.50 pair, two \$38.00., Leg Irons \$29.50 set. G. Noramaco, Box 30243-AH, St. Paul, Minn. 55175

**CHEMICALS OF ALL TYPES AVAILABLE WITH PLANS AND SUPPLIES CREATING YOUR OWN 4TH OF JULY DISPLAYS. SEND \$1.00 FOR CATALOG TO PIONEER IND.**, BOX 36, DEPT. AH, 14A HUGHEY ST., NASHUA, NH 03061.

**MINNETONKA MOCCASINS**—80 Styles. Free catalog. No wholesale. Dept. 6AH, Belle Plaine, IA 52208.

Save \$2.00, protect yourself and loved ones. Regular \$5.95 "Paralyzer" tear gas, only \$3.95 and 75¢ postage. Satisfaction guaranteed. Free illustrated police equipment brochures, with order, 50¢ without. **Ace Police Equipment**, Department 81, 320 North Washington, Lansing, Michigan 48933.

"Phone Tapped? Privacy Threatened? Personal Security in Doubt? Three Burglar Alarm Stickers and Do-It-Yourself information. Send \$1.00 to **The Questor Group**, Box 55582, Seattle, WA 98155."

**FREE!** World's Leading Novelty Catalog. Things you never knew existed! 1800 Novelties, Jokes, Tricks, Science, Sports, Hobbies. **Johnson-Smith**, C-252, Mt. Clemens, MI 48043

## SURVIVAL

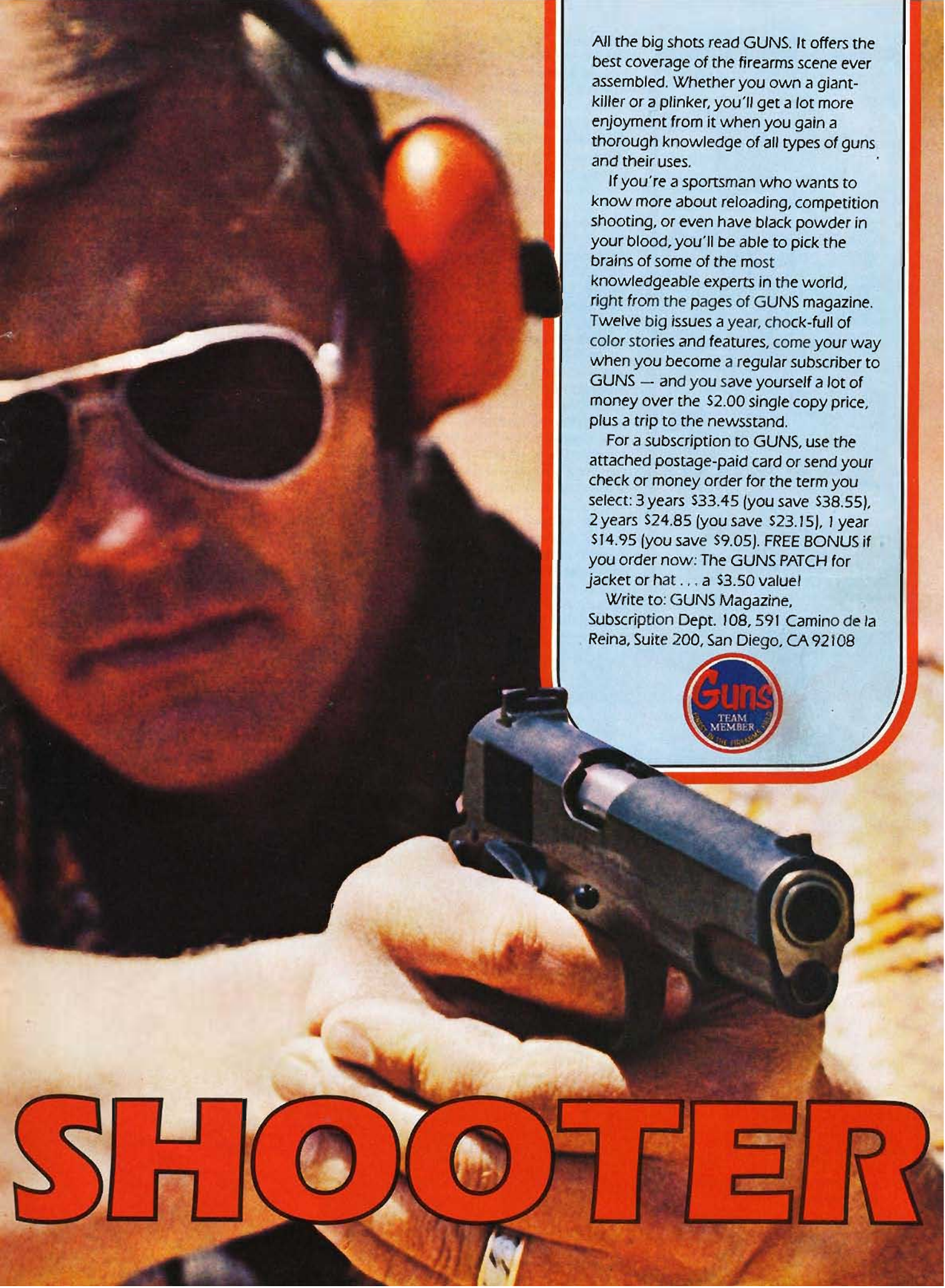
**SURVIVOR'S CHECKLIST.** Be prepared for ANY Emergency or Crisis! Have your supplies ready for the bad times. \$4.25. **BLUEJAY Box 6179-AHG5**, Long Beach, CA 90806.

You don't have to die... Send \$2.00 for the Survival list that may Save Your Life. P. Holmes, #26 Lake Canyada, Davenport, IA 52804

**SURVIVAL KNIVES!!** Swordcanes, daggers, hollow-handles, hideouts, commandos, hatchets, throwers, razors, icepicks, wiresaws, and more. 100% Satisfaction-Guaranteed. **DISCOUNTS to 35%, Airmail/Invoiced shipments, plus FREE "Surprise" GIFTS!** Photographic (40+ page) Discount/Reference Catalog, \$2.00/Airmail. **SELECTLINE**, (established 1977), Box 391XP, P.C., Hawaii, 96782-0391.

WE NEED MORE  
HANDGUN  
ENTHUSIASTS  
ON OUR  
SIDE!  
**SHARE** YOUR  
COPY OF  
HANDGUNNER  
MAGAZINE  
WITH A FRIEND  
Maybe they'll get their own  
copy, by using the enclosed  
subscription card.





All the big shots read GUNS. It offers the best coverage of the firearms scene ever assembled. Whether you own a giant-killer or a plinker, you'll get a lot more enjoyment from it when you gain a thorough knowledge of all types of guns and their uses.

If you're a sportsman who wants to know more about reloading, competition shooting, or even have black powder in your blood, you'll be able to pick the brains of some of the most knowledgeable experts in the world, right from the pages of GUNS magazine. Twelve big issues a year, chock-full of color stories and features, come your way when you become a regular subscriber to GUNS — and you save yourself a lot of money over the \$2.00 single copy price, plus a trip to the newsstand.

For a subscription to GUNS, use the attached postage-paid card or send your check or money order for the term you select: 3 years \$33.45 (you save \$38.55), 2 years \$24.85 (you save \$23.15), 1 year \$14.95 (you save \$9.05). FREE BONUS if you order now: The GUNS PATCH for jacket or hat . . . a \$3.50 value!

Write to: GUNS Magazine,  
Subscription Dept. 108, 591 Camino de la  
Reina, Suite 200, San Diego, CA 92108



# SHOOTER



## Survival Shooting

By Tom Givens



Written by a man who carries a gun for a living, "Survival Shooting" take a no-nonsense approach to the business of shooting for real. The author covers every aspect, from weapon selection & calibers to night firing, holsters & weapon modifications. Must reading whether your main interest is survival in the streets or winning combat matches. 5 1/2 x 8 1/2 softcover, illustrated, 184 pp.  
Book No. 431 ..... \$6.95

### SURVIVAL SHOOTING FOR WOMEN

Written in the same no-nonsense manner as the above, but with special emphasis on the attitude & mental conditioning necessary to prepare the "gentler sex" to fire in self-defense. The perfect gift for your wife, daughter, mother, sister, secretary or even mother-in-law. 5 1/2 x 8 1/2, softcover, 106 pp.  
Book No. 438 ..... \$4.95



**DESERT PUBLICATIONS**  
Dept. AH—Cornville, AZ 86325

I have enclosed \$\_\_\_\_\_ Please rush me:  
\_\_\_\_\_ copies of "Survival Shooting", No. 431  
\_\_\_\_\_ copies of "Survival Shooting For Women", No. 438  
(Arizona residents please add 4% state sales tax)

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Continued from page 71

I could have reliably hit the target using conventional hardware.

Rick Devoid repeated the test. Rick has a lot less time in with handguns than I, and didn't do as well with the two conventional techniques, yet he came within a couple of points of me using the laser. "It makes it ridiculously easy," he said.

We tried it again at 50 yards. Out of range of a two-cell flashlight's illumination, it was almost impossible to even see the target, let alone line it up in metallic sights. But the laser beam sought out the silhouettes. From a sitting position in "PPC cadence," we duplicated the 25 yard scores.

We moved out to 75 yards, half again as far as silhouettes are ever shot for police qualification in *daylight*, three times as far as most such shooting takes place, and ten times the distance of most actual gunfights in the statistical reports. I had now given up on the conventional Colt, but the LPC 7 gave me 4 kills, an arm hit, and a round in the black that would have gone through the suspect's "coattails." Rick did almost as well.

Now we backed off to 100 yards in total darkness, the moon behind a cloud. The battery was starting to go, and the beam faded slightly. Holding for the head, which at this range was covered by the beam, I shot three 5-point kills, two 3-point disables in the arm, and a narrow miss out of

6 shots. Rick beat me by a point with a tally of 22, firing from belly level with two hands. We took 30 seconds to put on a new battery, which rides under the custom Pachmayr grips.

The final test was Rick's buddy Harry Place, a professional hunter and trapper who has only fired a handgun about five times in his life. We showed him how to hold the gun, cock the hammer, and lay the dot on the target. At 75 yards, he put five rounds in a tight cluster just off the target, with a sixth in the head. A few minutes with the trial-and-error laser sight adjustment would have locked him right in.

It was an impressive test. Here was a \$3,895 handgun that turns a novice, a journeyman, or even an experienced target shooter into "Bill Jordan at 100 yards," in the dark.

Alas, it won't fit a conventional holster, and it's awkward. The same company's laser-sighted Mini-14.223 assault rifles and Remington 870 shotguns are finding much more acceptance in the police world.

For the street cop or armed, law-abiding citizen who wants night shooting capability, the same \$3,895 will buy a \$60 Santiago Day-Nite Sight (P.O. Box "O," Rosemount, MN 55068), a standard Trooper Mk. III, and about \$3,500 worth of practice ammo. This is a more cost-effective choice for anyone other than SWAT or felony warrant arrest teams, or security guards working out of armored

# HOT SCORING 22s

Whatever your sport—metallic silhouettes, targets, match competition—there's a Federal 22 rimfire cartridge aimed squarely at your needs. New Silhouette 22s give the punch and accuracy you've been wanting for top scoring on steel. New Pistol Match 22s are carefully tested to give the serious competitor that crucial edge of accuracy. And all target shooters can rely on improved Champion Target 22s for round after round consistency.

Ask for the hot scorers: Federal Silhouette, Pistol Match and Champion Target 22s. In the convenient plastic 100-packs.




# FEDERAL®

FEDERAL CARTRIDGE CORPORATION, Minneapolis, MN 55402



positions and firing through gunports with limited aiming potential. For these special groups, I *do* see extremely valid tactical application of the LPC 7. A \$4,000 revolver is cost-effective for a Pinkerton with a couple million cash in his truck, for a guard at a nuclear facility, or for an officer routinely exposed to the extremely high risk of entering barricaded premises. (If he dies, it costs the employing government agency \$250,000-plus in survivor benefits, the value of his life not included.)

Laser Products president John Mathews tells me it might be possible for a persistent civilian to get a variance to own the LPC 7. I would consider it, even above its intrinsic value, an excellent investment. Very few of these guns will be made, I think, and they will occupy a unique niche in the history of handgun development. 

## LLAMA

*Continued from page 35*

correctly. In single-action firing the trigger was acceptable. In double-action fire it moved around in my hand somewhat, but certainly not as badly as some of them do. Accuracy was acceptable, but the ammunition was certainly not what I would use in any .44 for accuracy testing. This

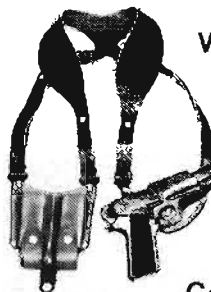
ammo leads unacceptably in any .44 I've used it in. The test guns had hundreds of test rounds through them, but the superior bore finish had reduced leading to a minimum, even with this ammo. About 2 inches for five shots offhand was my best 20-meter group with an 8-inch gun.

The .357 Magnum is available in the large frame also and is a pussycat to shoot. It shoots like any other high-quality large frame .357—accurately and comfortably. This revolver design also has a crane lock-up in addition to the frame set-up.

The auto pistol just plain looks good. Fit and finish will compare with the best. The D.A. is about as long as most found in similar guns and quite soft. The test guns had decent single-action pulls also. Contrary to popular "combat" competition ideology, a double-action feature is necessary on any military-police auto pistol in the real world. As a feature for a civilian defense gun—well, how many single-action auto pistols have been introduced in recent years? And how many are still around? The double-action auto feature is desirable for safety, mental comfort, convenience in getting it into action and sales appeal. The average guy who buys a defense/recreational gun is not a competitive combat shooter with fixed ideas about what he wants for his game. Today's buyer wants a handsome, reliable, easy-to-use gun of moderate power, recoil, noise and ammo cost. He is buying an expensive hunk of peace of mind for himself

## COMBAT ACCESSORIES

Wilson Combat Commander Style Hammers .....	\$16.95
Colt Factory Ambidextrous Safetys .....	\$28.95
SAW Trigger Guard Shoe, squares trigger guard. Installs/removes in seconds .....	\$12.95
SAW Recoil Spring Guide Assembly, for 1911 type autos. Includes 18½# spring .....	\$19.95
SAW .45 Magazine Base Pads, 6 pack .....	\$5.95
SAW EXTENDED BUTTON Magazine release, complete .....	\$21.95
HKS Speed Loaders, all .....	\$3.60
SAW VIDEKI NATIONAL MATCH TRIGGERS ..	\$12.50



**WE CARRY A  
FULL LINE  
OF  
JACKASS  
LEATHER  
30% OFF  
Retail  
on  
Complete Line**

Wallet Holster for Hi-Standard derringer, Barretta, Jettire & Minx .....	\$13.98
SSI Shoulder Holster System for .45's & 39/59 and other small autos .....	\$48.95

Send 50¢ for brochure, we carry many other shooting supplies at **DISCOUNT PRICES!!!**

**S A W Inc.**

**P.O. Box 140845  
Nashville, TN 37214  
Phone (615) 889-3597**

COD & Credit Card orders taken 24 hours a day. Mail in orders, M.O. or certified checks, personal & business checks held for clearance. All prices FOB Nashville TN, include sufficient postage & handling & ins. TN residents add sales tax. MAIL ORDER ONLY

## THE CONVERTIBLES

### Classic Western Style Rim Fire Revolvers

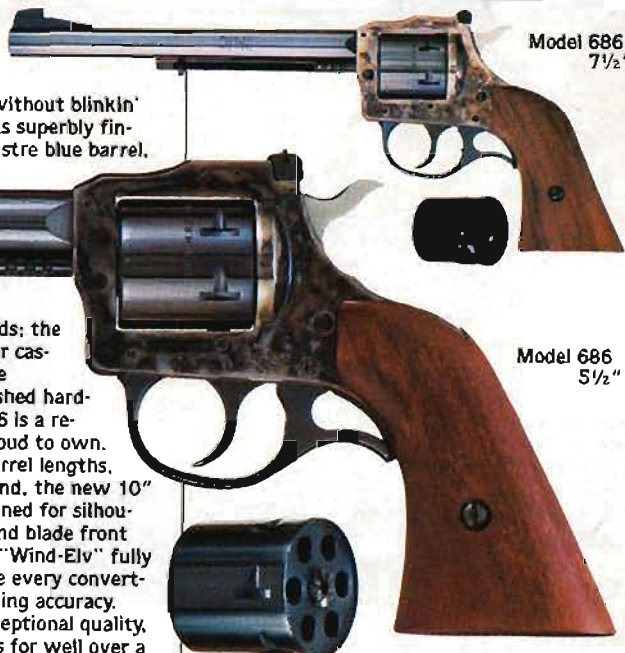
If you hanker for a modern, easy-handlin', well balanced, single and double action revolver in the classic western style and finish, a shootin' iron that has earned a reputation for accuracy and dependability, look no further—a famous, side loading and ejecting, MODEL 686 convertible is your best buy!

H&R's innovative engineering has made it possible for shooters to have the advantages of both the 22LR and 22WMRF cartridge—and, our convertibles

take magnum pressures without blinkin' an eye. Every Model 686 is superbly finished with H&R Crown Lustre blue barrel, ejector rod housing,

cylinders and trigger guards; the frame is deep antique color casing. Complete with 2-piece frontier-type, walnut finished hardwood grips, the Model 686 is a revolver you'll always be proud to own. Available now in five barrel lengths, 4½", 5½", 7½", 12"—and, the new 10" barrel 686 especially designed for silhouette shooters. Our ramp and blade front sight coupled with H&R's "Wind-Elv" fully adjustable rear sight make every convertible a revolver of outstanding accuracy.

We've been building exceptional quality, high performance firearms for well over a century. Your dealer will tell you too, that you just can't buy a better, more versatile rim fire revolver for the price! See him today and ride your range with an H&R Convertible.



Model 686  
7½"

Model 686  
5½"

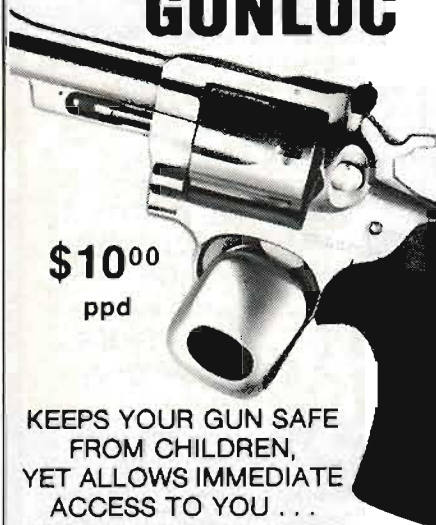
For complete, detailed, full color catalog on all H&R products—and the famous orange and black H&R woven jacket patch, send \$2 to Dept. AH-22A



from the No. 1 maker of rim fire revolvers . . .  
**Harrington & Richardson, Inc.**  
Industrial Rowe Gardner, MA 01440



## KEYLESS GUNLOC



**\$10<sup>00</sup>**  
ppd

KEEPS YOUR GUN SAFE  
FROM CHILDREN,  
YET ALLOWS IMMEDIATE  
ACCESS TO YOU . . .

**EVEN IN THE DARK**

No Key or Combination  
Required. Intended For DA  
Revolvers With Standard Triggers.

Send Check or Money Order To:

**GENTRY BROS. & CO.**  
P.O. BOX 18062  
DALLAS, TX 75218

**SATISFACTION GUARANTEED**

and his family. Women are buying more guns, too, and, even more than men, want simplicity of operation, safety, good looks, and accuracy. This new Llama double-action weapon will get a lot of attention. Although I saw thousands under construction at the factory, I anticipate some difficulty in supply until Stoeger fills the pipeline.

In shooting it, I found it felt similar in recoil to a S&W Model 39. Just looking over the top of the gun at 20 meters I put 14 shots into a 10-inch group in about 5 seconds or less. That kind of shooting isn't my game, but I felt that anyone could pick it up, point it, and lay down a burst of fire that would make things exceedingly uncomfortable for anyone in the impact area at typical self-defense distances.

I've had enough of a taste of the new Commanche revolver and the auto pistol to be anxious to get a pair and really give them a workout. You'll know more about them after I get a thousand rounds or so down the tubes of each.

The auto offers several features of very innovative design. Its locking system is basic Browning with a modification of the lug and recess to provide greater strength and more consistent locking-unlocking. Its rifling is somewhat unique and may result in very slightly higher velocities and a correspondingly lower barrel temperature. The hammer strut rides in a carrier utilizing 20 ball bearings to reduce friction and provide greater operating reliability. Its fir-

ing pin is articulated and should never break. The frame rails are solid—no interruptions to allow warpage. Steel or lightweight alloy frames are available. Extremely important is the single-action/double-action trigger system. The Llama is the only gun of this type to employ a separate mechanism for single-action mode. All others utilize the same linkage. The Llama system should be capable of a superior trigger pull. How all of this works will be reported on after extensive shooting.

These guns were in production and government employees were busily proofing them. They should be available from Stoeger now.



## UNLIMITED

*Continued from page 37*

the trigger 2 inches forward. In order for the back of the gun to clear the shooter's arm during recoil, the grip and trigger had to be moved some 3/4 inch to the left of the centerline of the barrel. A mechanical linkage would be tricky at best, and would likely produce a ghastly trigger pull. Richard drew from his years of experience with silhouette rifles to find the solution: an electronic trigger. The one we chose was from E.T.S. of Montrose, Colorado. It's

## WHEN THE FACTS UNFOLD, THE CHOICE IS SMITH & WESSON

There's a special feeling about S&W folding knives. And the facts prove they're designed and made by people who know a good working blade.

**FACT:** Ultra-Thin Sportsman's Knives combine functional lock-back design with pocket knife convenience. They're all stainless, only 1/4" thick and 3"

long when closed. The 440 stainless blade is 2 1/8" of working beauty, in

clip point (Model 6063) or drop point (Model 6064).

**FACT:** We designed the Shooter's Knife for handgunners. The Shooter's Knife (Model 6065) has a clip point blade and a screw driver blade that's just right for adjusting sights. (Or for the screws on fishing reels.) **FACT:** Maverick Folding Hunters are also

crafted from stainless steel. They have a notched tang to provide a secure lock for the open blade, a recessed lock release, a soft brass blade

design with a shroud that securely locks the blade in the open position as well as enclosing and

with a Wessonhide pocket sheath. **FACT:** S&W knives

are made in our own factory for unmatched quality, performance and value.



stop and genuine rosewood in the contoured handles. The blades are 3 1/2" long in either a clip point (Model 6061) or drop point (Model 6062) design.

protecting the blade when the knife is closed. Entirely stainless, its 3" flat ground, 440 stainless blade provides

Smith & Wesson, Springfield, Massachusetts 01101.



And a snapflap Wessonhide™ belt sheath comes with each knife. **FACT:** The Swingblade Sporter (Model 6041) is a unique

plenty of razor sharp working edge. Only 4 3/4" long when closed. It's perfect for hunting, backpacking and camping. It comes



**Smith & Wesson**

a BANGOR PUNTA Company



heavy, about 6 ounces, and sometimes fussy as to function. It's also expensive. I've got around \$150 in mine. It's sure not for everybody, but for my use it's the only way to go. The linkage is nothing more than a wire from the trigger to a solenoid at the rear of the bolt. You can put the trigger anywhere on the gun or behind your left ear if you want to. Pull is adjustable to less than 1 ounce, yet it's super-safe. A small lever must be depressed to arm the mechanism. Before the trigger is armed, the gun can be dropped, the trigger pulled, or the bolt slammed, but the gun just can't go off.

All these extra components caused a weight problem. In addition to the clip and trigger, we had to make a bolt handle that stuck out perpendicular from the bolt body. This was made from a section of 3/8-inch allen wrench about 4 inches long and bored-out to make it lighter. The handle is cammed against the leg and then the gun moved forward to open the action. To close it I shove the rear of the bolt against my chest, which closes it, then cam the bolt handle down. It's a one-handed operation—but *fast!* All this was necessary weight, but it added up.

One place we could reduce weight was the stock. Fiberglass would have been nice, but neither of us had the equipment or expertise. Having one custom made by some fiberglass shop would have been absurdly expensive, if the people there had been willing to do it. A nice, dense walnut

would have served, but it would have added still more weight—as much as 1½ pounds. In order to even come close to making the weight limit, the stock had to be feather light. I was stumped. But Richard took a seemingly ludicrous idea and made it practical. At our next meeting, he showed me a stock that weighed mere ounces. It was made of balsa wood and model aircraft plywood laminated with epoxy! He explained that we would use a recoil lug consisting of a 1/4 by 3/4-inch steel plate inserted between the barrel and action and extending down about an inch into the stock. This, as well as the action, would be glass bedded. Further, the action would be tapped for 1/4-28 bolts, both fore and aft. These screws passed through two aluminum recoil sleeves some 3/4-inch in diameter, and which were epoxied into the stock. Additional stability was contributed by the floorplate through which the screws also passed. In combination with the action, this exerted a horizontal clamping effect on the stock. I insisted that the grip remain as thick as possible to guard against breakage. The grip was designed with a flat forward face so that, instead of the fingers wrapping around it, they lie almost straight out along this flat face, exerting mainly rearward pressure, and almost none to the side. In theory, and through subsequent experience, I find less of a tendency to pull shots to the right or left because of uneven gripping pressure.

# TEXAS TOUGH

Best leather gear in the West! Rugged good looks, special non-scratch lining. 400 holster styles available. Model shown here only \$25.95\* ppd., in brown or black basket weave (fits 6" barrel, K frames). Gibbs has a holster for your handgun too. For fast quote clip coupon and include \$1.00 for catalog.



Complete and mail to:

**GIBBS OF TEXAS**

Rt. 2, Box 758, Dept. 1, Big Sandy, TX 75755

Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Please quote

price on my gun: Make \_\_\_\_\_

Mod \_\_\_\_\_

Cal. \_\_\_\_\_

Bri Lgth. \_\_\_\_\_

Rt or left \_\_\_\_\_

\*U.S. only. Tex. res. add 5% sales tax. AH5

## T-Shirts

Only \$6.95



Hand Silkscreened  
On U.S.-Made Shirt  
Gold on Royal  
Rebel Flag and Second Amendment Also  
Available

Shadowshirts

Send Size, Make and \$6.95 + \$1 p&h to  
Box 55045 Dept. A Little Rock, AR 72205

## MORE CONVERTIBLES

### Frontier Style Rim Fires

These popular convertibles would be as much at home in old Tucson as they are on your range today. They are versatile, up-to-date, single and double action rim fire revolvers in the true frontier style of the old West, side loading and ejecting, incorporating many of the design features of our famous

that it is finished in our tough H&R Hard-Guard electro-less nickel process that actually penetrates the metal and helps ward off hard use. Both models have 2-piece frontier-style walnut finished hardwood grips, western-type big blade front sight and windage adjustable rear sight-plus, our virtually



Model 686, including INSTANT conversion from 22LR to 22WMRF.

The Model 649 is available with either 5½" or 7½" barrels. The finish of the barrel, 6-shot cylinders, ejector rod housing and trigger guard is H&R's beautiful Crown Lustre blue, the frame, our smooth satin blue. The Model 650 (5½" only) is the same revolver as the Model 649 except

Model 650

Model 649

unbreakable coil spring construction throughout. We've been building exceptional quality high performance firearms for well over a century and no one can lay a glove on these fine convertibles. Model 649 or Model 650; we really don't know where you can get a more accurate, dependable, rugged rimfire revolver for the PRICE. See your dealer today.

For complete, detailed, full color catalog on all H&R products—and the famous orange and black H&R woven jacket patch, send \$2 to Dept. AH-22B



**Harrington & Richardson, Inc.**

Industrial Rowe Gardner, MA 01440

from the No. 1 maker of rim fire revolvers . . .



## GUNFIGHTING AT HOME AND RELATED SUBJECTS

A TEXTBOOK BY E. R. FENJOHN  
ABOUT THE PROPER USE OF A  
HAND GUN TO DEFEND A HOME  
AND ITS OCCUPANTS

**HARDCOVER  
ILLUSTRATED**

SEND

\$4.95 PLUS 77¢ POSTAGE

TO:

**GOLD STAR PUB. CO.**

DEPT. AH-5, 90 CRICKET AVE.  
ARDMORE, PA 19003

## DREADNAUGHT

357/44 B & D

Conversions of S&W 27-28 Ruger 357  
T.C. Contender—Marlin 1894

**BAIN & DAVIS**

559 W. Las Tunas, San Gabriel, Ca.

Our stock design has proven practical. After more than 500 rounds of respectable .308 reloads, it's still hanging together, and the point of impact hasn't shifted.

Things were beginning to gel. After nine months, we had a gun assembled. We put it on the scale, together with a Lyman globe front and a Bo-Mar rear sight. Too heavy. With little else to take weight from, I elected to cut the barrel to 13 inches and keep it fairly stiff. We put the gun back on the scales. We'd made weight with a little to spare.

But . . . We still had a single-shot after we got it all together. We found that it wouldn't feed reliably. The clip was not being held up against the action tightly enough for the bolt to strip the cartridges every time. Hopes to shoot the pistol in a match that weekend were dashed. Both of us were thoroughly disheartened with the whole project. A couple of weeks later, however, Richard had discarded the push-pull levers and designed new camming type levers to force the clip up tighter. Now it fed 90 percent of the time. Because the clip was as tight against the bolt's bottom as it could go and was now being held off by its own lips, I suggested that we modify them. We ground a few thousandths off the lips. This allowed the follower and cartridges to come up a little higher. Feeding was not 100 percent dependable. All-in-all, Richard did a great job. I fully realize that I'll never be able to properly repay him for

his efforts and concern.

All that remained now was to shoot it. I proofed it with factory fodder. At 50 yards, my first shot was in the black. For my regular load, I decided to try 35 grains of IMR 4895 behind a Hornady 168-grain HP BT—National Match in .308 military match cases. The load is well below maximum, but is easy on the balsa stock and takes the steel critters over about as reliably as anything else. Over the years of making the matches, I've never run into a 100 percent effective load. I have given up looking. The load detailed above is accurate and total sight adjustment from 50 to 200 meters is only 6 clicks.

Was it worth the effort? It is if I win.

Fairly soon, the clubs here in Texas will start their new match season. We'll see if my "new toy" will garner a trophy. And when I see the second "Super Five," or something like it, in the hands of another handicapped shooter, then I'll know: I've won!



(Editor's Note: And J.D. Rader has won, single-handedly, so to speak. Since this article was written, the "Super Five" has been fired in three matches, and has placed in two of them. The repeating unlimited scored a second at Goland, Texas, and a first place at New Braunfelds, Texas.)

## We've brought back the Colt that brings back the kid in you.

Here's the six-shooter you grew up dreaming about. Colt's New Frontier 22 is back.

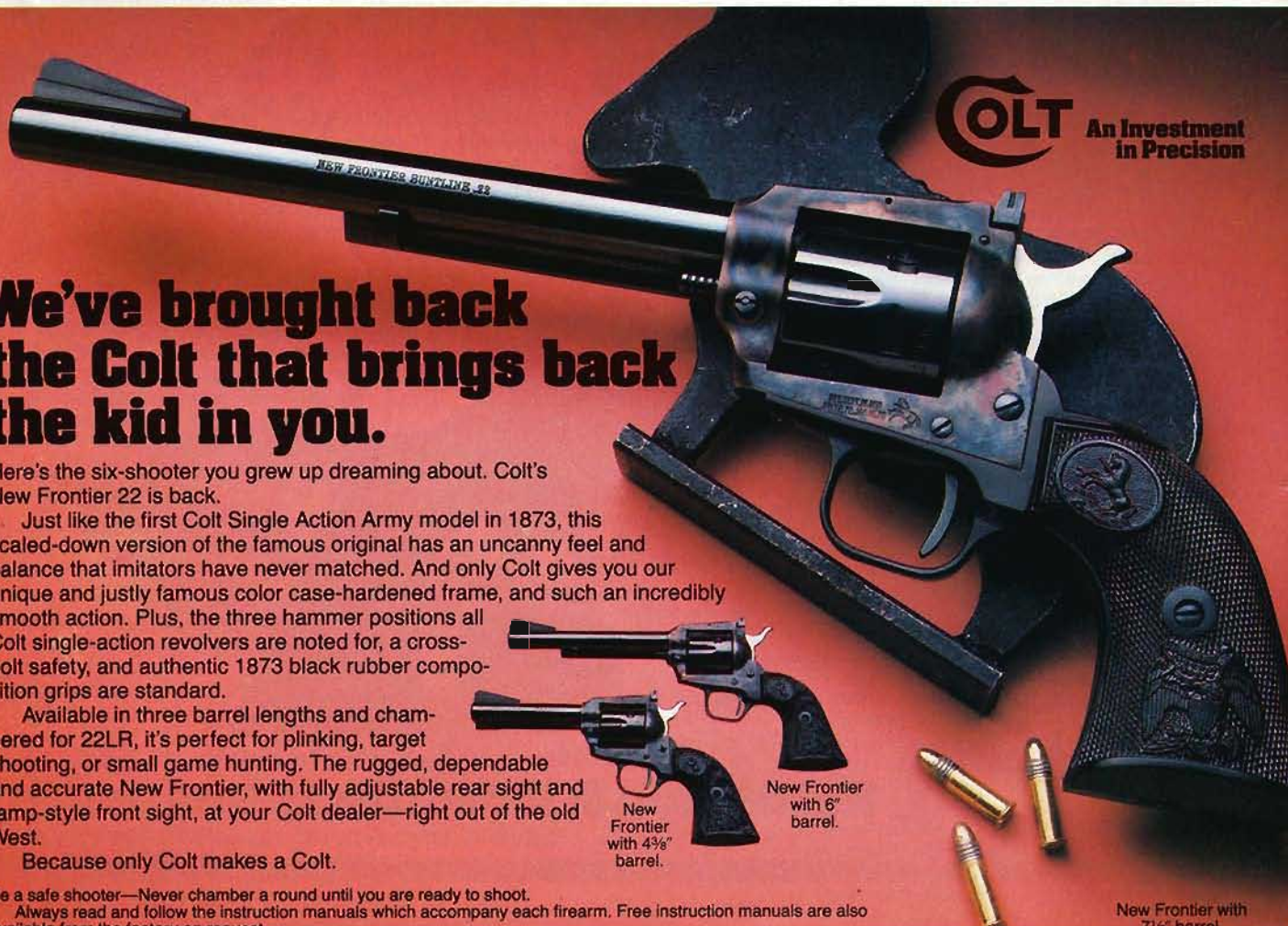
Just like the first Colt Single Action Army model in 1873, this scaled-down version of the famous original has an uncanny feel and balance that imitators have never matched. And only Colt gives you our unique and justly famous color case-hardened frame, and such an incredibly smooth action. Plus, the three hammer positions all Colt single-action revolvers are noted for, a cross-bolt safety, and authentic 1873 black rubber composition grips are standard.

Available in three barrel lengths and chambered for 22LR, it's perfect for plinking, target shooting, or small game hunting. The rugged, dependable and accurate New Frontier, with fully adjustable rear sight and ramp-style front sight, at your Colt dealer—right out of the old West.

Because only Colt makes a Colt.

Be a safe shooter—Never chamber a round until you are ready to shoot.

Always read and follow the instruction manuals which accompany each firearm. Free instruction manuals are also available from the factory on request.



**COLT**

An Investment  
in Precision

New Frontier with  
7 1/2\"/>



# TRAPPER GUN INC.



That mark of the master pistol-smith is the quality and care that is built into each handgun. We at Trapper Gun can assure you of this quality and care. From the bench to our indoor range, we put that little extra touch into each handgun, before it is returned to you.

SEND \$2.00 FOR OUR FULL  
COLOR CATALOG.  
Refundable on first order.



**TRAPPER GUN INC.**  
18717 E. 14 MILE ROAD  
FRASER, MICHIGAN 48026  
Phone: 313 - 792-0134



# You don't want just a handgun.

## You want a DAN WESSON!

You don't have to be an expert to recognize the real value of the Dan Wesson family of fine crafted handguns. You'll note the look of quality and pride that is missing in so many other handguns today. You'll see that our designs are rugged and dependable. No skimping on metal. You can imagine the feel of your hand closing on the grip — firm, reliable and accurate.

Dan Wesson guns are much more than looks and feel however. Each model is literally a handgun for all reasons. Our double

action revolvers offer a multitude of barrel assembly options to both the casual and the serious handgunner. Easily interchangeable and affordable barrel assemblies run from 2½" to 15" depending upon your needs or wishes — security, target shooting, law enforcement or competitive shooting. Get used to the action of one gun.

And there's more. Dan Wesson revolvers offer a wide choice of calibers from .22, .38/.357 to .44 magnum. Three styles of barrel shrouds are offered. Quick change one-piece grips. Interchangeable colored front sight blades. Adjustable or fixed rear sight.

Versatility. Dependability. Accuracy. And a five year limited warranty on every revolver. That's why you don't want just a handgun. You want a Dan Wesson!



**Dan Wesson Arms, Inc.**

293 Main Street, Monson, MA 01057  
(413) 267-4081

### THE INNOVATORS<sup>DW</sup>

Send \$2.50 for our new four color catalog featuring all the Dan Wesson models and a Dan Wesson patch.

