

SELF-DEFENSE! Specialty Holsters For CCW (pg.16)

2001

GUNS

MAGAZINE

THE FIREARMS FIELD

AUGUST 2001

\$3.95

\$4.95
IN CANADA &
OUTSIDE U.S.

BONUS!
GUNS *Web Site*
SHOWCASE

Ultra-Tech 870 ELECTRO-LASER RIOT GUN

Get Better
ACCURACY

Custom Performance
With Factory Ammo

**.30-30
HUNTING LOADS**

A Classic Cartridge
Gets A Ballistic Boost

YOU CAN WIN
Navy Arms
Cowboy Combo

**HOW TO
FIRELAP YOUR RIFLE**

The Experts' Accuracy Secret



THE WORLD'S FINEST HYDRATION SYSTEMS

HYDRASTORM

Order on the line your favorite retailer- ask your dealer. Become a gateway partner today!



CYCLONE™ PREDATOR™ I.V.S.™ BACK TSUNAMI™

They call it the Hydration Revolution! The first line of hydration gear designed from the ground up for operators. Operators—not adapted from something some weekend bicyclist wears. Built by BlackHawk to last and perform in the lethal arena, it is the optimized hydration system for military and law enforcement professionals. The comfy, molded InterCooler Venting System channels air across your back keeping you much cooler! The StormLok™ is a positive, in-line on/off valve that



TEMPEST™ TURBINE™ TORRENT™ VECTOR™

totally prevents leaking. The Delta Elite Valve™ orients properly in your mouth and passes tons of water. The packs are made of Lifetime Guaranteed NyTaneon™, are double sewn and durable as hell. The bladders are NyTaneon™ laminated and nearly indestructible! The tube screws off for easy cleaning! Use the hydration systems that the Special Forces use! Check it out today at your local dealer, see our website or call for a free catalog!

See your local HydraStorm Dealer our full on-line catalog!—www.hydrastorm.com
HydraStorm! 1133 Executive Blvd. Chesapeake, VA 23320 (757) 436-3101 (757) 436-3088 FAX

1-800-694-5263

© 2000 Pyramark NA for BlackHawk Inc.

The Most Advanced Tactical Folder of All Time!

Masters of Defense® knives represent the ultimate refinement of the combat fighting tool.

Designed by some of the industry's foremost defensive

fighting experts and Special Forces operators, their components are computer machined to tolerances one-thirtieth the width of a human hair! All M.O.D.® knives are milled from solid bars of T-6 aluminum with blades of 154cm cryogenically heat treated steel. The final assembly is precision hand-fitted by master craftsmen. Brutally strong per military requirements, they are built on the same machinery used to make missile guidance systems.

M.O.D.® knives feature superior hollow ground blades, and are available in bead-blast and new black titanium-carbonitride coatings, with half serrated or standard cutting edges. The brainchild of knife authority Jim Ray, M.O.D.® has over 40 variations for any hard-use application you have. These knives can keep you alive. They are the most advanced production tactical knives in existence today. Since their introduction, they have become the tool of choice for black-ops specialists around the world. New for 2000 is the amazing Duane Dieter CQD®

Special Operations Combat Folder, winner of the Blade Magazine American-Made Knife of the Year Award. It features a plunge lock system, secondary safety lock, cord ripper, and military anti-slip grip inserts. Brute strong, it is designed by the world's leading Close Quarters Defense® specialist, trainer of the NATO military's most elite special forces units.

New this fall you can see the "Dieter CQD® Mark II Stealth carry knife. Small, & very effective, it features a carbide glass breaker in the pommel. It is the perfect defense or EMS backup tool. At left is the Scorpion Neck Knife™. This Jim Ray design can be worn vertically on its neck lanyard or belt holstered for instant deployment.



CALL NOW TOLL-FREE

FOR OUR FREE CATALOG!

1-888-832-4158

New Dealerships Available!

MASTERS OF DEFENSE, LLC.

1941 CAMP BRANCH RD.

WAYNESVILLE, NC 28786

(828) 452-4158 (828) 452-7327 FAX

SEE OVER 40 KNIVES IN OUR ON-LINE CATALOG!

WWW.MASTERSOFDEFENSE.COM



Printed in USA for MOD 2000 Photography © Jim Davis 2000

GUNS

MAGAZINE

CONTENTS

AUGUST 2001

VOL.47 NO.08-560



40 With lights, lasers and IR gear, the classic combat 870 gets a high-tech update.

COVER PHOTOGRAPH BY ICHIRO NAGATA

ON THE COVER

16 Specialty CCW Holsters

BY MASSAD AYOUB Rediscover the shoulder holster for cold-weather self-defense.

32 Gunpowder: An Insider's View

BY HOLT BODINSON Few handloaders know the facts that make powder selection so important.

34 Factory Ammo/Custom Accuracy

BY M.L. McPHERSON You don't have to handload to wring tackdriving accuracy out of your rifle.

36 Hunting With The .30-30 Today

BY HOLT BODINSON Handloaders can keep this grand old cartridge on the forefront of ballistic performance.

40 Ultra-Tech 870

BY CAMERON HOPKINS This high-tech pump proves just how far the CQB shotgun has come.

48 GUNS Web Site Showcase 2001

Find the gear you need this season — on line!

60 Gun Of The Month

Win a Cowboy Combo from Navy Arms.

68 Firelapping For Accuracy

BY CHARLES E. PETTY Before you write a check to your gunsmith, try this effective accuracy tune-up.

FINEST IN THE FIREARMS FIELD

SPORT **THE FASTEST HANDLING = HIGHER SCORES.**

TRAPPER READY? PULL! A crossing simultaneous pair launches from the thrower. You shoulder your lightweight Sport with ease, sustain the proper lead and dust the first target. With little time remaining you swing through the second clay blasting it into a thousand pieces just before it can disappear behind a barkless pine tree — the tree representing all the guns that weren't fast enough.



Think Safety!



For a free catalog write to:
Benelli U.S.A. Corporation
17603 Indian Head Highway
Accokeek, MD 20607

Tel: 301-283-6983
Fax: 301-283-6988

HIGH-TECH SIMPLICITY Cycling is faster due to a reduced moving mass of parts

- No complicated linkages or o-rings to malfunction
- Better gun balance without heavy weights and pistons in the forend
- Rotating bolt head features oversized lugs for solid, steel-to-steel lock-up with the barrel extension
- Stays cleaner due to the hard-chrome locking head which prevents powder residue build-up on the bolt assembly
- Fouling and gases are expelled out the barrel, not through the operating system, therefore, the action remains cleaner and more reliable in wet and cold weather conditions.

BENELLI INERTIA SYSTEM

FEATURES

20 The Ultimate High-Velocity .22-250 Loads

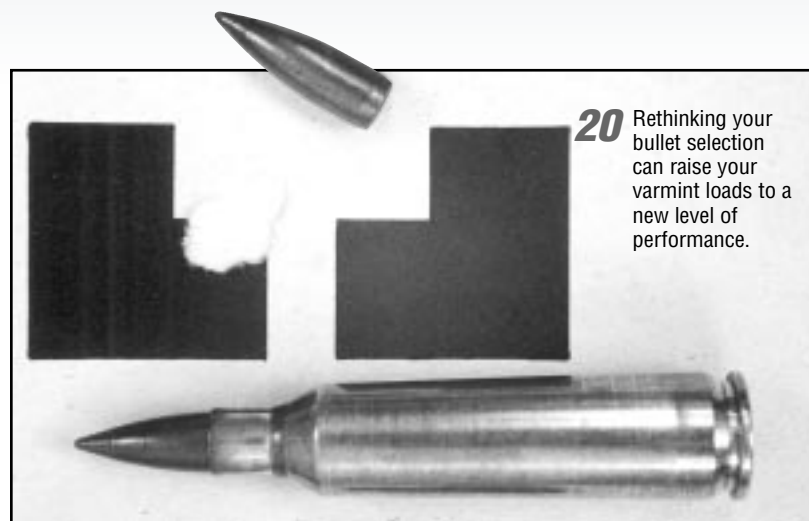
BY M.L. McPHERSON You'll be amazed at the power and performance you can achieve with these long-range varmint loads.

38 Gamo Air Rifles: Stutzen & Hunter 1250

BY J.I. GALAN These magnum-class airguns are second to none in the realm of pure power.

64 Handloading With Hodgdon's L'il Gun

BY JOHN TAFFIN Sixgunners are using this specialty powder to create safe, high-performance, heavy-bullet loads.



20 Rethinking your bullet selection can raise your varmint loads to a new level of performance.



36 The .30-30 may have passed the century mark, but with a bit of creative handloading this cartridge can hold its own in the hunting field.



38 This pair of air rifles from Gamo are second to none in the realm of power, performance and accuracy.



68 Got a problem rifle? Before you ship it off to your gunsmith, try this effective accuracy fix that's as simple as a trip to the range.

DEPARTMENTS

- | | | |
|------------------|------------------|---------------------|
| 10 Crossfire | Letters to GUNS | 76 New Products |
| 16 Handguns | Massad Ayoob | 78 Guns Classifieds |
| 24 Rifleman | Dave Anderson | 80 Advertiser Index |
| 25 Handloader | Charles E. Petty | 82 GUNS Insider |
| 26 Shotgunner | Holt Bodinson | Scott Farrell |
| 28 Quartermaster | Cameron Hopkins | |

LIGHT ON THE GUN HEAVY ON ACCESSORIES

Introducing the versatile new Gold Fusion.



The new Gold Fusion

When Browning introduces a new shotgun, it had better measure up to a long line of tough predecessors. Browning's newest member of the prestigious shotgun line is the Gold Fusion autoloader.

Designed for hunting or targets, the Gold Fusion is eight ounces lighter than the Gold

Hunter. It handles 1-oz. loads to 3" magnums and is delivered with a heavy dose of accessories, including its own composite carrying case, five choke tubes, three shims to tailor your drop-at-comb, a Hi-Viz™ Pro Comp fiber optic sight with a variety of light pipes, a Browning Lube Shot™ and, like all new Browning guns, a safety lock to assist you in the safe storage of your firearm.

Are you carrying more weight to the field or range than you need? Lighten up with the new Browning Gold Fusion autoloader.



The Gold Fusion comes in its own composite carrying case, with five choke tubes ranging from skeet to full, three shims to tailor your drop-at-comb, a Hi-Viz™ Pro Comp fiber optic sight with a variety of light pipes, a Browning Lube Shot™ and a safety lock.



BROWNING

www.browning.com

FOUNDING PUBLISHER

George E. von Rosen (1915-2000)

PUBLISHER

Thomas von Rosen

EDITOR-IN-CHIEF Cameron Hopkins

EDITOR Scott Farrell
ed@gunsmagazine.com

ART DIRECTOR Joseph R. Novelozo

ART ASSISTANT Richard Stahlhut

ASSISTANT EDITOR Jennifer Rogers Kramer

EDITORIAL ASSISTANT Jessica Applegate

ADVERTISING PRODUCTION Linda Peterson

ADVERTISING SALES Hollis Grdina

CONTRIBUTING EDITORS

PHOTOGRAPHY EDITOR Ichiro Nagata

SHOOTING EDITOR Dave Anderson

HANDGUN EDITOR Massad Ayoob

SHOTGUN & HUNTING EDITOR Holt Bodinson

AIRGUNS EDITOR J.I. Galan

HANDLOADING EDITOR Charles E. Petty

FIELD EDITORS Sam Fadala, Roy Huntington

SPECIAL PROJECTS EDITOR Tom Turpin

CUSTOMER SERVICE

SUBSCRIPTION (619) 819-4537

subs@gunsmagazine.com

CLASSIFIED ADVERTISING (619) 297-6655

class@gunsmagazine.com

EDITORIAL (619) 819-4535

ed@gunsmagazine.com

INTERNET www.gunsmagazine.com

(INDICATE MAGAZINE AND DEPARTMENT)

ADVERTISING ACCOUNT EXECUTIVE

Denny Fallon

National Adv. Offices:

591 Camino de la Reina, Suite 200

San Diego, CA 92108

(619) 297-8520 FAX: (619) 297-5353

email: denny@gunsmagazine.com

East Coast Adv. Reps.: Buchmayr Associates

Sig Buchmayr

137 Rowayton Ave. #320

Rowayton, CT 06853 (203) 855-8834



PRINTING SERVICES: Quebecor World

FILM PRODUCTION: Web-Tech, Inc.

GENERAL COUNSEL: Steele N. Gillaspie

PRODUCED IN THE U.S.A.

WARNING: Firearms are dangerous and if used improperly may cause serious injury or death. Due to the inherent variables in the reloading of ammunition, be sure to verify any published loads with manufacturer's data. Products mentioned or advertised may not be legal in all states or jurisdictions. Obey all firearms laws. Always consult a professional gunsmith when modifying any firearm. Be a safe shooter!



COMTAC™ Tactical Hearing Protector

Electronically amplifies conversation and range commands while automatically protecting against dangerous sounds. Water-resistant design with low profile domes and auto-shutoff.



BULLS-EYE™ Shooting Glasses

These sporty glasses feature a lightweight wrap-around lens, distortion-free optics and 99.9% UV protection.

Set Your Sights On The Latest Technology In Safety.



Indoor/Outdoor Range E-A-R® Plugs

This 2-in-1 earplug offers a choice of standard or noise-activated protection. Soft, flanged design is comfortable all day. Used by the US Military.

For the most advanced hearing and eye protection, shooters and hunters trust the leading name in safety—AOSafety Peltor.

Nobody has a better aim on quality, comfort and style. Nobody.

Get yours at a sporting goods store or gun dealer near you.

www.aosafety.com

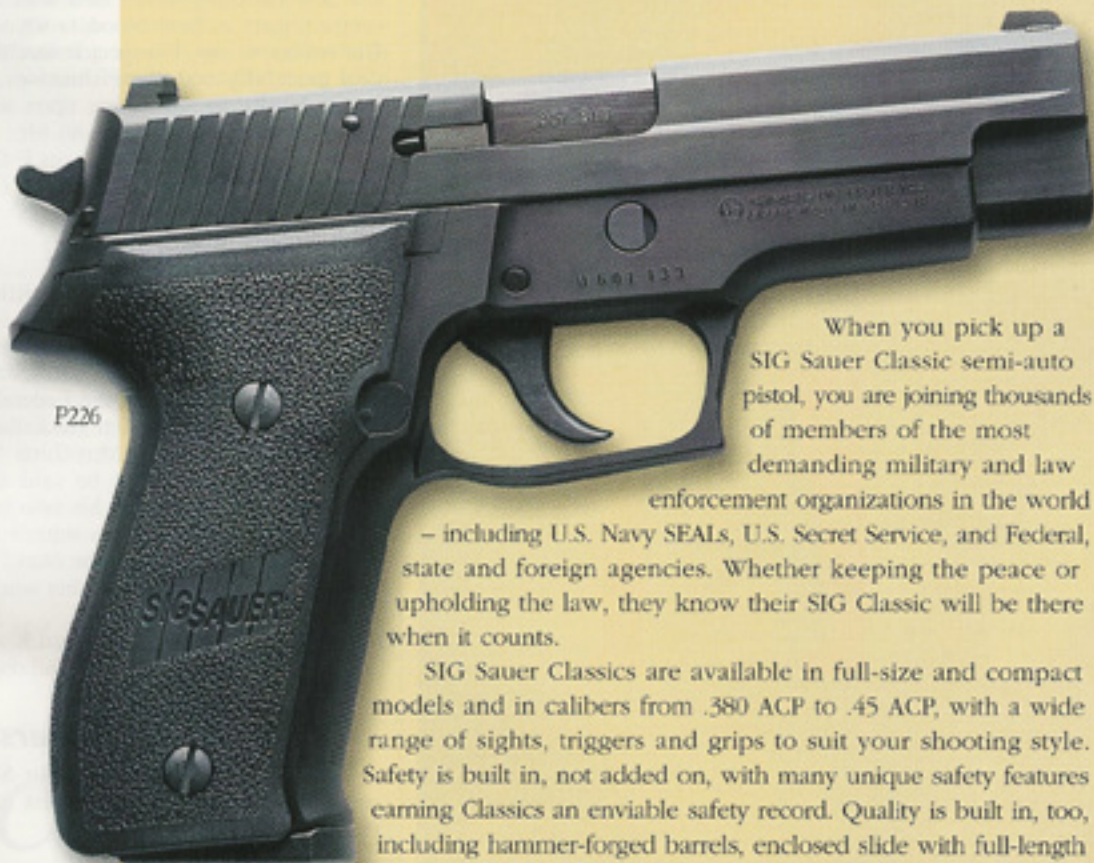


PELTOR®
THE ONE THE PROS USE

SIGSAUER

The Science of Accuracy.

SIG Sauer semi-auto pistols are the
first choice of elite forces around the world.



P226

When you pick up a SIG Sauer Classic semi-auto pistol, you are joining thousands of members of the most demanding military and law

enforcement organizations in the world – including U.S. Navy SEALs, U.S. Secret Service, and Federal, state and foreign agencies. Whether keeping the peace or upholding the law, they know their SIG Classic will be there when it counts.

SIG Sauer Classics are available in full-size and compact models and in calibers from .380 ACP to .45 ACP, with a wide range of sights, triggers and grips to suit your shooting style. Safety is built in, not added on, with many unique safety features earning Classics an enviable safety record. Quality is built in, too, including hammer-forged barrels, enclosed slide with full-length guide rails, a well-balanced, snag-free, ergonomically-designed frame, and highly durable finishes.

It all adds up to a semi-auto that's easy to use and maintain, gives many years of reliable service, and is in a league by itself when it comes to performance. Like the P220 – rated by experts as one of the most accurate .45s right out of the box – all Classic pistols function with precision and accuracy.

Make a SIG Sauer Classic your first choice. Contact your authorized SIGARMS dealer or SIGARMS, Inc., Corporate Park, Exeter, NH 03833. (603)772-2302. www.sigarms.com

- Hammer forged barrel for strength and accuracy

- Interchangeable low profile sights

- Full length rails for strength and accuracy

- Nitron™ finished precision machined stainless steel slide

- Ergonomic design for improved performance

P220



P229

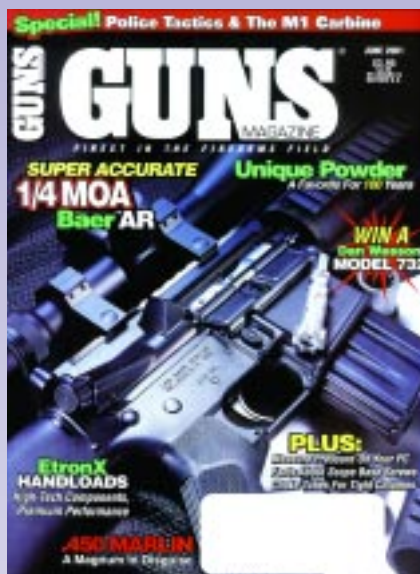


P245



SIGARMS
PRECISION FIREARMS

LETTER OF THE MONTH



GUNS MAGAZINE JUNE 2001

Bravo Baer

After reading the article on Les Baer's Super Varmint rifle ("The Les Baer Super Varmint," June 2001), I can think of only one phrase to describe the man's work. With respect to James Bond, "Nobody does it better."

The quality standards used in designing and manufacturing that gun are nothing short of phenomenal. I've been impressed with Baer's work for years — I bought one of his SRP pistols many years ago — but I think the Super Varmint is undoubtedly his best piece to date. Creating an AR that can shoot 1/4 MOA — better than even most bolt-action rifles — is a level of performance that all American gun makers should aspire too.

Thanks for a great article on a great gun. Les Baer deserves a place in the Shooters' Hall of Fame beside Sam Colt, John Browning, Oliver Winchester and Bill Ruger. I look forward to reading about, and admiring, many more of his guns in the future.

Corbin Fielding
Houston, Texas

Look It Up

Evidently old Massad Ayoob had been drinking too much when he penned his column in the June issue ("Combat Semantics 101"). I have several dictionaries, including *Oxford*, *American Heritage*, *American College* and *Webster's*. They all say that an accepted definition of "revolve" is "to rotate on an axis." Maybe we should all pitch in and buy Ayoob a good dictionary. By any definition, a gun that employs a "revolving" cylinder is no different than one employing a "rotating" cylinder.

Sam Guy
Miami, Fla.

Olé For Taurus

Love your magazine! I've been subscribing for years. I'm writing to tell you about the outstanding service I received from Taurus, a company which I regularly see advertised in your magazine and featured in your articles.

I recently received back my Taurus pistol which was repaired under their Lifetime Repair Policy. After they worked on it, the gun was in tip-top condition — like new! This is a wonderful service to Taurus owners. I can't thank them enough, and I know that anyone else who buys a gun from them will be as happy as I am.

Sumner Thompson
Scarborough, Maine

Great Glock

I am writing to inform my fellow shooters about the excellent service and dedication Glock has for their customers. I bought my first Glock in 1991. I was hesitant at first, but as soon as I fired it, I found it was truly a gun for all purposes.

About a month ago, I was on the range putting my normal monthly 200 rounds through my trusty Glock when the trigger became hard to pull, then stopped functioning altogether. I tried to find a local Glock armorer, but to no avail. I then called the manufacturer directly. I was greeted by a very nice receptionist who directed my call straight to the service department.

The gentleman I spoke with there listened to my problem and told me to ship the gun to the factory. He said that upon receiving the gun, they would upgrade all parts that needed it, and fix any problems with the gun. When I asked how much that would cost, he informed me it was free. He did, however, tell me there might be a slight

delay in the return of the gun due to the number of pistols that owners sent in for upgrade services. When I asked about the best way to ship the pistol, the gentleman informed me of the most economical and dependable means.

After I sent the pistol, I expected to be without my gun for a month or so. Imagine my surprise when it was returned in about eight days. Talk about a *slight* delay! Upon opening the package and inspecting the gun, it appeared that all the metal inserts in the frame had been replaced, regardless of how much they had been worn under years of use, and the trigger functioned flawlessly. Also, it appeared that they had restored the finish on the slide, which had been worn away due to holstering. I was astounded at the excellent service.

The only drawback in the entire experience was the service I received from UPS. The delivery service left the package on my porch despite the fact that a signature was required from the recipient. I had been at work and didn't find it until the next morning.

If you are thinking about buying a new handgun, I highly recommend a Glock. You just can't beat the dependability and dedicated service from the gun — or the company.

Michael Naegele
Pasadena, Md.

Short But Respectable

Massad Ayoob's column on snub-nosed revolvers ("The Surprisingly Accurate Snubby," April 2001) brings back memories. Ayoob seems to have taken a long time to learn what some of us old-time lawmen knew years ago. A short revolver with the proper grips is one of the most accurate and deadly handguns going. I went through all of the tests of different barrel lengths and sight radii 40 years ago to find, just as Ayoob did recently, that barrel length is not as important as a good grip.

At that time, S&W made the Chiefs Special with both round and square butt frames. You also had a choice of a 2" or 3" barrel. Also, S&W offered a pair of oversize "target style" wood grips that would fit both round-butt and square-butt guns. Don't forget, they also used the J frame for the .32 Hand Ejector and the .22/.32 Kit Gun as well as a .22/.32 Target Model with a 6" barrel.

Back then, everyone thought the 3" Chiefs Special would be more accurate than the 2" version due to the longer sight radius. In order to settle the issue, I took one of each to the range along with a pair of the oversize target grips. I put up two targets and shot a group with each gun. The first group was with the standard grip on the 2" round butt and the oversize grip on the 3" square butt. As I suspected, the 3" gun gave the best group.

continued on page 14

GUNS MAGAZINE™ welcomes letters to the editor for "Crossfire." Send your letters to: CROSSFIRE, GUNS Magazine, 591 Camino de la Reina, Suite 200, San Diego, CA 92108. Email: ed@gunsmagazine.com

VOTED BEST OF THE YEAR!



FREE PINS!

11

PRIZES!

Which One Is Yours?

**21st
Century
SWEEPSTAKES**

Enter Today! • Turn Page For Details

“A SALUTE TO EXCELLENCE”

21st Century SWEEPSTAKES

GRAND PRIZE

Three-Gun Package

One lucky entrant will win all three guns Handgun, Rifle and Shotgun of the Year!

FIRST PRIZE

Excellence Package

One lucky entrant will win the Accessory, Ammunition, Knife, Optic and Specialty Product of the Year!

PRIZE 2

ACCESSORY OF THE YEAR

Dillon Precision

Model SL900 shotshell reloading press in 20 & 28 ga.
dillonprecision.com

PRIZE 3

OPTIC OF THE YEAR

Leupold

Vari-X III 3.5-10x50mm Illuminated Reticle scope
leupold.com

PRIZE 4

RIFLE OF THE YEAR

Marlin

1895M lever action in 450 Marlin
marlinfirearms.com

PRIZE 5

HANDGUN OF THE YEAR

Taurus USA

PT-111 Titanium Millennium 9mm pistol • taurususa.com

PRIZE 6

SHOTGUN OF THE YEAR

Benelli USA

Nova Pump 12 gauge
benelliusa.com

ENTER TO WIN!

**This Salute To Excellence
Could Mean A Great Prize
For You!**

The prizes featured here were judged best of the best by the Shooting Industry Academy of Excellence. The manufacturers are celebrating by giving you a chance to win their award-winning products. Just imagine how great it would feel to win any one of them! Someone will, it might as well be you.

Claim Your Prize Today!

You may be holding the winning entry number right now, but you must return the Official Sweepstakes Entry Certificate to activate it (see certificate in this issue for details). While you're at it, make sure you get every issue of *American Handgunner* and *GUNS Magazine* this century by taking advantage of a Super-Saver subscription deal.



**\$8,560
IN PRIZES
TO BE AWARDED!**



**GUARANTEED
WINNERS FOR
ALL 11 PRIZE
PACKAGES!**



To learn more about the Shooting Industry Academy of Excellence visit shootingindustry.com.

A purchase is not required to enter and will not improve your chances of winning. If Entry Certificate is missing write to: 21st Century Sweepstakes at PO Box 85201, San Diego, CA 92186



GREAT PRIZES GREAT GIFTS GREAT READING TOO!

MILLENNIUM PRIZE

MANUFACTURER OF THE YEAR

Taurus USA

Three Millennium pistols including PT-111, PT-138 and PT-140

PRIZE 8

KNIFE OF THE YEAR

Benchmade

Model 720 Mel Pardue folder
benchmade.com

PRIZE 9

SPECIALTY PRODUCT

SureFire

D2 Defender personal defense flashlight
surefire.com

PRIZE 7

AMMUNITION OF THE YEAR

Winchester

Supreme Partition Gold shotgun slug
winchester.com

TRY A
RISK-FREE
SUBSCRIPTION

ENJOY BIG
SAVINGS!

See the Entry Certificate for details...

Pay for
either magazine
in three easy
payments!

Discover More Ways To Enjoy The Shooting Sports

Every time you pick up an issue of *American Handgunner* and *GUNS Magazine* you can count on learning something new.

News and reviews presented in an easy-reading style make spending a few minutes or a full evening with either magazine both enjoyable and rewarding.

So whether it's deciding which ammo to use for the big hunt or advice for choosing the best home defense guns, you'll find it in *American Handgunner* and *GUNS Magazine*.

Don't miss an issue. Start your subscription to **both magazines** today for **only \$29.95** and get **Free Gifts!**

FREE GIFTS!

Get these **FREE Gifts** with your paid subscription to *American Handgunner* and *GUNS Magazine* through this Sweepstakes.

Collector Pins



New Limited Edition Designs. Get one Free with individual subscriptions and both Free with combination subscriptions.

Pocket Partner



The Power Shooter's Pocket Partner will help you find the top Pistolsmiths, Engravers and Custom Gunmakers. **PLUS:** *BackBlasts & Other Hot Gases* is a hilarious section devoted to the mishaps of crooks and morons. Free with every subscription.

Pocket Knife



This handy 5-function pocket knife is ideal for quick cuts, clips and fixes. Free with 2-year subscriptions.

Plier Tool



Add this multi-function plier tool to your range bag or hunting gear and get 10 tools in one. Includes carrying case with belt loop. Free with 3-year subscriptions.

22LR CONVERSIONS

Shoot More For Less Money - They Pay For Themselves And They're Fun!



"Ciener"
Unit on
Series 80 Colt



.45 ACP to
.22LR in
10 seconds

Ciener
Unit in
Fitted Case



Conversions available for:

1911A1 (state model, .45 only).....	(SpareMag, \$35).....	\$199.00
Platinum Cup 1911A1.....	(SpareMag, \$35).....	\$249.00
Para-Ordinance P14.....	(SpareMag, \$49).....	\$219.00
Beretta 92.....	(SpareMag, \$35).....	\$219.00
Falco 192/99.....	(SpareMag, \$35).....	\$219.00
AR-15 (w/30rd mag).....	(SpareMag, \$25).....	\$139.00
M16 (w/30rd mag).....	(SpareMag, \$59).....	\$199.00
Mini-14 (w/10rd mag/181up, 188-\$10).....	(SpareMag, \$25).....	\$129.00
AC556 (w/30rd mag).....	(SpareMag, \$59).....	\$169.00

Order Direct:
Send Check, Money Order, or C.O.D. (\$5.00 addnl).
Include \$10.00 per unit S&H. FL res. add 6% Sales Tax.
FFL Dealer prices upon request.

JONATHAN ARTHUR CIENER, Inc.

8700 Commerce St., Dept. GM, Cape Canaveral, FL 32920
(321) 868-2200, FAX 2201

Send \$3.00 for Conversion Info, \$5.00 for Full Line Catalog
Prices subject to change - 25% cancellation charge
<http://www.22lrconversions.com>

SCOPE OUT A NEW M1A™

**GET A \$680 SCOPE, MOUNT & RINGS FOR JUST \$99
WHEN YOU BUY A SPRINGFIELD M1A™ RIFLE.**



For a limited time, when you buy a new Springfield Army M1A battle rifle, you can add a 6x40 Government Model Rangefinding Scope and a rugged 3rd generation scope mount with rings for only \$99. That's a \$581 savings!

Featuring an internal level, the 6x40 Government Model scope is equipped with a special patented reticle with hands-free range finding out to 700 yards.



Today the M1A is the semi-automatic counter-sniper rifle of choice for cutting-edge police departments and serious riflemen. Accurate, reliable and powerful, it remains the world class standard for sustained precision fire.



Don't miss out on this great offer, contact your nearest Springfield retailer today.

Offer valid June 1 through September 30, 2001.

VISIT SPRINGFIELD ON THE WEB
www.springfieldarmory.com or call
800-680-6866

Receive an additional
\$50 BONUS when you purchase
an M1A rifle online at:
www.springfield-promotions.com



**SPRINGFIELD
ARMORY**

The Oldest Name In American Firearms

SPRINGFIELD, INC., Dept. GM
420 WEST MAIN ST. • GENESEE, IL 61254
PH. 309-944-5631 • FAX 309-944-3676

For a free mini catalog, call or send address. For the complete line of full color catalogs, VHS video, and embroidered patch, send \$6.95 for 2-3 day delivery or send \$3.95 for 4-6 week delivery. (Refund upon purchase of Springfield product.)
Copyright 2001. Contents property of Springfield, Inc.

CROSSFIRE

continued from page 10

Then, I put the standard grips on the 3" model and the oversized grips on the 2" gun. I shot another group with each, and this time the 2" gun gave the best group, proving that the grips made more difference than the barrel length or sight radius.

At that time, the police department I worked for issued the 4" S&W Military & Police revolver. We had the option to carry any revolver of our choice as long as it was at least .38 caliber. In the late '60s, when I worked in plain clothes, I carried a 2" M&P with a round butt. With it, I was able to hit rabbits in the head out to 50 feet, again demonstrating that barrel length isn't all that important. Although the M&P was my weapon of choice for on-duty use in plain clothes, my Chiefs Special was always my favorite for off-duty use. In later years I replaced my blued revolvers with stainless models, but I'll still put my 2" Chiefs up against almost any other handgun.

Ron Henarie
San Antonio, Texas

The Limits Of The .30

I read with great interest your article on the M1 Carbine ("The M1 Carbine For Self-Defense And Law Enforcement") in the June issue. I have an M1 Carbine and have used it to fire literally thousands of GI rounds, reloads (lead and copper bullets) and some commercial loads. When I picked up my first M1 Carbine back in '62, the gun was exotic. Even though I loved the gun, I was never deceived about the stopping power of the .30 Carbine cartridge.

The gun uses magazines of various capacities, and that is good, because anyone using it for defense will need a lot of rounds to stop a determined assailant. Sure, modern bullets could increase its stopping power, but I wouldn't count on that unless at very short range. Don't you think that if the military had been interested in improving the .30 Carbine, it would have done so?

Yes, the .30 Carbine and the M1 Carbine are good, but the combination is very limited. To make any comparison to the M1 Garand or the M-16 and their cartridges, no matter what bullet type, is out of the realm of reality.

I've heard from an Army captain who fought in the Pacific theater in World War II. He said that he'd seen enemy soldiers all "doped up" who took all eight shots from a Garand before dropping at his feet. He mentioned that most men wanted to carry a BAR for the tremendous firepower. Could an M1 Carbine be effective in that situation?

Yes, the M1 Carbine is light, fun to shoot and cheap, and that is why I have kept mine for all of these years, but it also gets dirty and is subject to jams under rapid fire. But what the heck — it's my .30 and I love it! But arm the police with it? Not a chance.

M. Seelar
Erie, Pa.



An Historic World Premier from the National Maritime Historical Society.

The Majestic Cutty Sark

COLLECTOR KNIFE

by Robert Taylor

Sail the high seas on
the most famous
clipper ship of
all time!



Shown actual size
of approximately 7 1/2"
(20 cm).

FREE
Handsome chain with
fully functional compass.
Padded and zippered case.

Limited Edition. Fully sculptured bolster.
Rich with accents of 24 karat gold.

The historic *Cutty Sark* set records in the wool trade between Australia and England from 1885 to 1895. Resting today in permanent dry dock at Greenwich, she is a glorious reminder of the Golden Age of Sail. Now, the National Maritime Historical Society presents a powerful tribute to this legendary ship.

The Majestic Cutty Sark Collector Knife. The first folding knife ever to feature the art of acclaimed maritime artist Robert Taylor, whose works are eagerly pursued by collectors the world over. The famed *Cutty Sark* is dramatically portrayed in a full-color vignette on a handle that matches the look and feel of wood. The tang bolster is sculptured in the form of a ship's figurehead and gleams with accents of 24 karat gold. The ship's name is etched on a boatswain's blade of highly polished stainless steel. And the minted medal of Franklin Mint Collector Knives is set into the reverse of the handle. Issued in a Limited Edition of just 45 casting days.

Satisfaction Guaranteed.

THE FRANKLIN MINT
Sharing Your Passion
For Collecting



The tang bolster is sculptured in the form of a ship's figurehead and gleams with accents of 24 karat gold.



The Franklin Mint Please mail by August 31, 2001.
Franklin Center, PA 19091-0001

Please enter my order for *The Majestic Cutty Sark Collector Knife*. I need **SEND NO MONEY NOW**. I will be billed for my knife in 2 equal monthly installments of \$27.50* each, beginning with shipment. *Limit: one knife per collector.*

*Plus my state sales tax and a one-time charge of \$4.95 for shipping and handling.

SIGNATURE _____
ALL ORDERS ARE SUBJECT TO ACCEPTANCE
MR./MRS./MISS _____ PLEASE PRINT CLEARLY
ADDRESS _____ APT. # _____
CITY/STATE _____ ZIP _____
TELEPHONE # (_____) _____

23675-01-001

THE FRANKLIN MINT

Symbol of Quality



The minted medal of Franklin Mint Collector Knives, your assurance of the highest in quality and craftsmanship, is set into the reverse of the handle.

The Shoulder Holster: SPECIALTY CCW RIG

Concealing a shoulder rig is tough under a light jacket, but is a piece of cake under any sort of winter coat. By leaving one button undone at center chest, we allow the coat to remain warmly closed over the torso, but give the right hand quick access to the handgun slung under the left armpit. With long coats, fully fastened, many find this the fastest concealed draw.

Under any circumstances, a shoulder rig gives you one of the fastest draws while seated, such as at a desk or behind the wheel of a car. Just take a moment when you buckle up to arrange the seat belt so it won't block your reach.

On winter days, you go through a few changes of clothes. Each time you come in from shoveling, you're covered with snow and soaked through. Just shrugging off the

shoulder harness saves you unthreading holster, magazine pouch, and whatnot off one belt and re-assembling them later on a dry pair of pants.

The Bianchi Ranger shoulder system contains a spare magazine pouch. A fixed-blade Bill Moran knife from Spyderco, in a horizontal Kydex sheath, fits perfectly in a vertical position on the shoulder strap, and saves trying to open a folding knife with heavily gloved hands.

The "shoulder system" concept, first introduced 30 or more years ago by Rick Gallagher, founder of Galco, makes sense in all kinds of weather. With magazine pouches,

handcuff carrier and whatnot attached, it allows those peace officers and bodyguards who don't like to be armed all the time to at least throw everything on at once and be ready. Of course, this presumes some sort of warning will be available before a tactical encounter occurs. Armed protectors who aren't armed are "unclear on the concept."

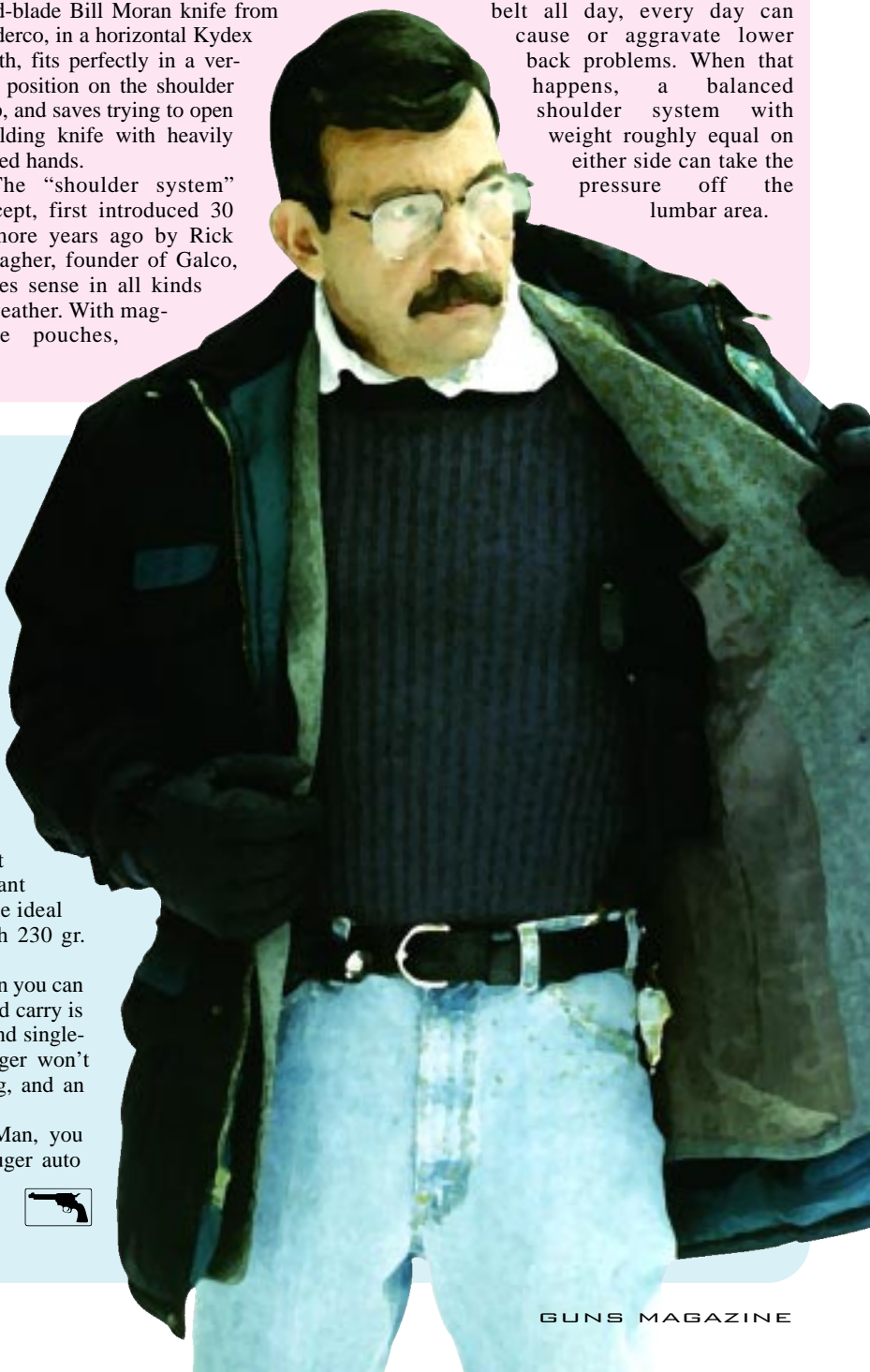
Finally, generations of cops and uniformed security professionals can attest that wearing heavy things on your belt all day, every day can cause or aggravate lower back problems. When that happens, a balanced shoulder system with weight roughly equal on either side can take the pressure off the lumbar area.

Underarm Protection In THE SNOW

This winter, while bundled up for daily activities in the snow and ice, I comfortably wore a Ruger P97 in a synthetic Bianchi Ranger shoulder holster. When any opponent will be heavily clad with the sort of material that stops up the cavities of hollow point bullets and turns them into flat-nosed ball, you want your bullets to turn into *big* flat nose ball. Thus, the ideal carry choice is a .45 caliber handgun loaded with 230 gr. CCI Gold Dots.

With bulky snowmobile gloves on, you want a gun you can still manipulate. Thus, a prudent choice for concealed carry is the ergonomic Ruger with double-action first shot and single-action follow-ups so the bulky, gloved trigger finger won't block trigger return and prevent further functioning, and an easily operated de-cocking lever.

When you've got to dress like the Michelin Man, you appreciate weight savings. The polymer-framed Ruger auto and the lightweight fabric carry rig, therefore, are the perfect cold-weather carry combination.



Every Cowboy . . .

. . . goes to a **RODEO!**

U. S. Fire Arms Introduces The RODEO ! Made in U.S.A.

The **Rodeo** offers the Cowboy Action Shooter an Affordable Beginning . . . Only \$675.00 (Suggested Retail)

Featuring: {as shown} - 4 3/4 or 5 1/2 barrels, 45 Colt- Historically correct Bone Case Hammer- Blue Satin Finish [Fine Matte] - Hard Rubber Stocks - Made & Serviced under the Colt Blue Dome in Hartford.

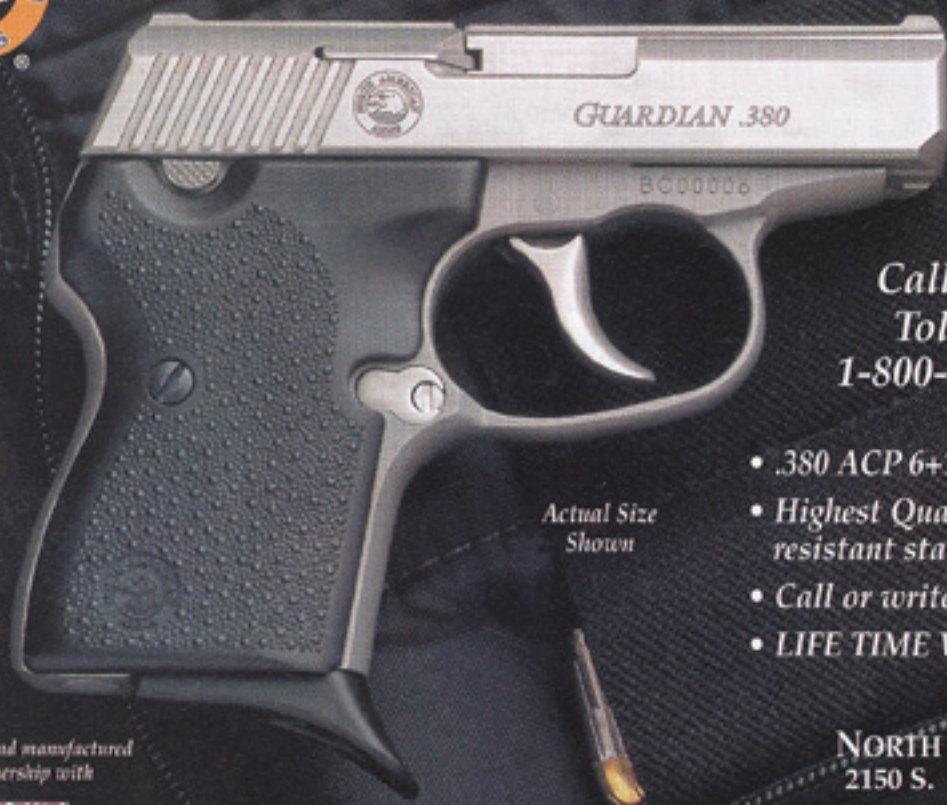
Note: Solid Original Firing Pin. (No Transfer Bar) Be Sure to leave hammer down on an Empty Chamber!

www.usfirearms.com

United States Fire Arms Mfg. Co. 55 Van Dyke Ave. Hartford, CT. 06106 Toll Free 877-227-6901



.380 Guardian - Convenient, Reliable, Effective!



Actual Size
Shown

Call Now!
Toll Free
1-800-821-5783

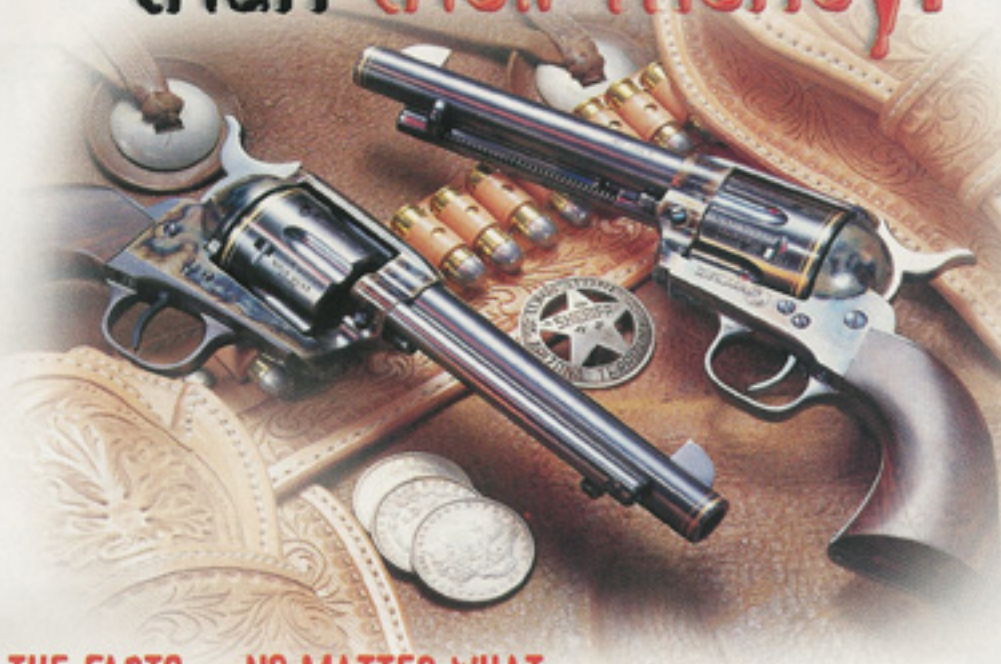
- .380 ACP 6+1 DAO
- Highest Quality rust resistant stainless steel.
- Call or write for Free catalog
- LIFE TIME WARRANTY

Developed and manufactured
in partnership with



NORTH AMERICAN ARMS, INC.
2150 S. 950 E. • Provo, UT 84606
www.naaminis.com

Your trust is more important than their money.



YOU GET THE FACTS — NO MATTER WHAT.

Everything you read in *American Handgunner* is fact, not fiction. Manufacturers can't buy glowing product reviews with big advertising contracts here. Good press is earned by good products.

If it's not a good value, you'll get the truth in a tell-it-like-it-is-style you won't find in other handgun magazines.



THE ONE MAGAZINE YOU NEED FOR EVERYTHING YOU WANT.

American Handgunner has a way of turning casual shooters into serious handgunners. Each issue is loaded with news on the latest guns and accessories. But there's also much more.

Want to be a top gun at the local range? Expert tips and advice in each issue from the world's best shooters will give you the edge in most any competition or dangerous situation.

TIPS, TECHNIQUES AND ADVICE IN EVERY ISSUE.

In addition to top-notch features on the latest guns and custom stand-outs, *American Handgunner* includes these regular columns:

- Cop Talk
- Tactical Advantage
- Handgun Leather
- Combat Shooting
- Handloading
- Handgun Hunting
- Gun Rights
- Pistolsmithing
- The 10-Ring
- Gunny Sack

Get what you want.

Get *American Handgunner*.



NO waiting period

Why wait? The very next issue may have just what you're looking for. You can start your subscription right away. Simply return the attached subscription card today or mail \$16.95 for a one year subscription to *American Handgunner*.
P.O. Box 16439, San Diego, CA 92176



**SUBSCRIBE
TODAY!**



Catalog

\$5.00

(Sent Free With Any Order
Upon Request)

Website:

www.knifemaking.com

JANTZ SUPPLY

P.O. Box 584 GN Davis, OK 73030

Your 'source' for knifemaking supplies

ALL AT THE BEST PRICES! Add \$6.95 per order for shipping.

ORDER TOLL FREE

1-800-351-8900

24 Hour FAX

1-580-369-3082



TOOLS * BLADES * STEEL * RIVETS * MACHINERY * FINISHING SUPPLIES * WE HAVE IT ALL!

ELECTRO-CHEM ETCHING

Etch your blades with
the easy to use PersonalizerPlus etching machine. Type name or draw
a personal design on the special stencil material
provided, then follow the easy to use instructions
for professional results in seconds. Complete Kit
contains everything you need to etch stainless and
carbon steel.

EC302 Personalizer Plus\$179.95

FOREDOM®
THE FOREDOM ELECTRIC CO.Model "S"
Flex shaft machine has ball
bearing 1/8 hp motor. Kit
includes electronic foot con-
trol, heavy duty handpiece,
and 35 accessories.

FT230\$229.95

WEEKEND PROJECT KITS

Include 440C Stainless blade, handle material,
pins and instructions.

RENAISSANCE DAGGER KIT



Overall length is 6 1/4"

SS167K Renaissance Kit\$10.95

COBRA KIT



Overall length is 7 3/8"

SS166K Cobra Kit\$9.95

SPORTSMAN KIT



Overall length is 7 3/8"

SS164K Sportsman Kit\$9.95

LETTER OPENER KIT



Overall length is 8 1/2"

SS201K Letter Opener Kit\$9.95

FISHERMAN'S FILLET KIT

Sharp, flexible stainless steel blade is 12" over-
all. Kit contains blade, ivory micarta handle
material and nickel silver pins. Easy to make.
SS910K Fillet Kit\$16.95

LEATHER HONING BELTS

Use with white rouge to sharpen and polish.

AG200 1 x 30 Leather Belt\$11.95

AG201 1 x 42 Leather Belt\$13.95

AG202 2 x 72 Leather Belt\$34.95

FELT POLISHING BELTS

Use with rouge or other compounds for
polishing.

KS501 1"x30" Felt\$12.50

KS502 1"x42" Felt\$14.50

KS503 2"x72" Felt\$16.50

SATIN BRITEL BELTS

Quick and easy way to Satin finish a blade. Specify
coarse, medium or fine when ordering.

CN130 1"x30"\$9.95

CN142 1"x42"\$10.95

CN272 2"x72"\$15.95

CUSTOM KITS

The kits below include stainless steel pre-
shaped blade, brass rivets, tubing, guard and
handle material and step-by-step instructions.

WASHITA HUNTER



SS463 Washita Blade only\$19.95

SS463K Washita Kit\$27.95

SIOUX HUNTER



7 5/8" overall with 3" blade

SS458 Sioux Blade only\$17.50

SS458K Complete Kit\$25.95

CHEYENNE HUNTER



9 1/8" overall with 4 1/2" blade

SS495 Cheyenne Blade only\$18.75

SS495K Complete Kit\$27.00

KAW SKINNER



7 1/2" overall with 3" blade

SS782 Kaw Blade only\$25.82

SS782K Complete Kit\$34.00

NAVAJO SKINNER



8 7/8" overall with 4 1/4" blade

SS783 Navajo Blade only\$24.72

SS783K Complete Kit\$32.20

PANAVISE

Standard Panavise with 360°
rotation and 180° tilt. Perfect
angle for any job 2 1/2" nylon
jaws withstand heat to 200°F.

PV301 Standard Panavise\$32.25

HOW TO MAKE KNIVES

By Richard W. Barney and Robert W.
Loveless
BOK101\$11.95

HOW TO MAKE FOLDING KNIVES

A Step-by-Step How-To by Ron Lake,
Frank Costantini and Wayne Clay
BOK102\$11.95

CUSTOM KNIFEMAKING

By Tim McCreight
BOSCK\$13.95

THE COMPLETE BLADESMITH

Forging Your Way to Perfection
By Jim Hrnoulas
BOP301\$39.95

OptiVISOR

Best magnifiers available,
adjustable headband fits
all. Easily worn over glass-
es. Lenses are ground &
polished prismatic type.
Made in USA.

Order # Power Wk. Dist. Price

OVDA2 1-1/2 20" \$26.95

OVDA3 1-3/4 14" \$26.95

OVDA4 2 10" \$26.95

OVDA5 2-1/2 8" \$26.95

OVDA7 2-3/4 6" \$28.95

BALDOR



CAT.#	H.P.	RPM	SHAFT DIA.	PRICE
BL114	1/4	1800	1/2"	\$59.95
BL111	1/3	3600	1/2"	\$59.95
BL332B	3/4	1800	3/4"	\$25.00
BL333B	3/4	3600	3/4"	\$25.00

KNIFE SHARPENING KIT

Used by professionals for razor clean edges on
cutlery. One wheel for sharpening, another for
cleaning and polishing, all compounds and
instructions included. Includes bushings to fit 1"
- 3/4" - 5/8" - or 1/2" arbor.

WKS900 8" x 1" set\$24.95

WHEEL & COMPOUND KIT

Kit includes: Four 3/4" sewed muslin wheels, one
3/4" loose muslin wheel, one each greaseless
brush-on cutting compound in grits 240, 320
and 400, one blending bar, one bar of white
rouge and a polishing guide.

Specify Arbor Size (1/2", 5/8", 3/4")

6" Kit\$9.95

8" Kit\$9.95

10" Kit\$9.95

TRADITIONAL
CUTLERY KIT11 pc. traditional style cutlery set includes pre-
shaped surgical stainless blades shown above
plus handle material, and rivets. Carving set
and steak set also available.

SS801 11 pc. Traditional Set\$69.95

SS807 ★ Carving Set\$19.50

SS803 ★★ Steak Set\$25.95

CORBY TYPE
RIVETS AND
DRILLSPrecision machined of solid brass 5/16" heads
slotted for easy installation. Use RD3 Rivet
drill for perfect countersinking and alignment.

CP601 Pkg 12 Rivets\$12.12

RD3 Rivet Drill\$19.95

HIDDEN TANG KITS

440-C Stainless blades are about 10 1/4"
overall, blades are 5 1/2". Kits supplied with
blade, brass guard, threaded pommel and
block of Dymondwood handle material.

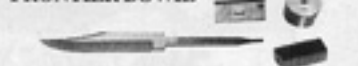
TEXAS BOWIE KIT

The Texas Bowie Blade, (12 1/2" overall, 7" x 1
1/2" x 3/16" thick blade), brass guard and pom-
mel and a pre-drilled dymondwood block for the
handle.

SS494 Blade only\$27.95

SS494B Kit complete\$39.95

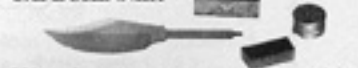
FRONTIER BOWIE



SS914 Frontier Blade only\$13.95

SS914K Frontier Kit\$27.95

CAPE SKINNER



SS911 Cape Blade only\$18.95

SS911K Cape Kit\$32.95

UNIQUE BLADES

Made from 440C Stainless Steel

MONARCH

Overall length 7", blade 4 1/8"

SS262 Gut Hook Blade\$8.70

TUNDRA

Overall length 7", blade 2 3/4"

SS260 Tundra Blade\$8.70

KODIAK

Overall length 6 1/8", blade 2 1/2"

SS261 Kodiak Blade\$8.10

THE SHARK

Overall length 5 1/2",
blade length 2 7/8", 2
3/4"

SS176 Shark Blade\$8.95

STAINLESS DINNERWARE

Supplied with 3 rivets. Made from 440C
Stainless Steel.

SS501 Dinner Knife\$5.95

Overall length is 8 3/4", blade is 4 1/2". The
serrated part of the blade is 2 3/4" long.

SS502 Dinner Fork\$5.95

Overall length is 7 1/4", it is 1" wide at the
prongs.

SS503 Dinner Spoon\$5.95

Overall length is 7 1/4", it is 1 1/2" wide at the
spoon.

WOODCARVING

BLADE SET

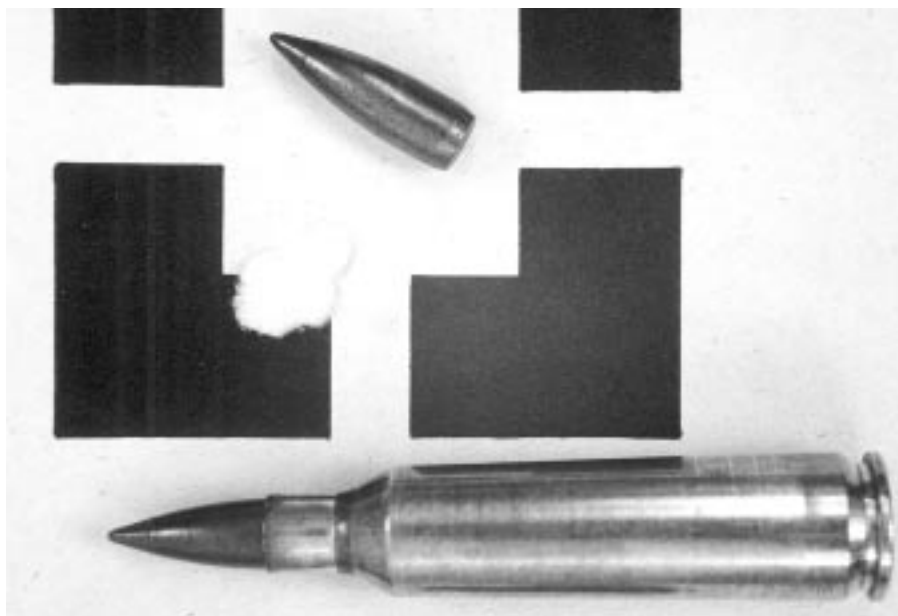
4 piece set of blades for
wood carvers. Overall
length of each 4 1/2-5".

SS263 4 pc. set\$12.80

ORDER TOLL FREE 1-800-351-8900

The Ultimate High-Velocity .22-250 Loads

Forget all your outdated ideas about heavy bullets. You'll be amazed at the power, performance and accuracy you can achieve with these long-range varmint loads.



Below: Until recently, shooters who appreciated the high-velocity performance of the .22-250 were confined to heavier .55 gr. bullets. Now, light, plastic-tipped bullets provide a quantum leap in long-range varmint cartridge performance. Above: You don't have to be Einstein to follow this equation: 40 gr. BT .22-250 bullets equal higher velocity, which in turn equals shorter flight time and flatter trajectory, thus creating greater accuracy. (Yes, that's a five-shot group, by the way.)

By M.L. McPherson

Varmint hunters once believed that, to obtain optimum performance, they had to match bullet weight to case capacity. For example, while 45 gr. bullets might have been advised for the .222, hunters shooting the .22-250 or .220 Swift would have chosen 55 gr. or 60 gr. bullets. These choices would maximize hit potential, regardless of range estimation or windage errors.

The lighter bullets do, in fact, launch faster, but, owing to necessarily shorter noses and larger meplats — the diameter of the blunt end of the bullet tip which assures expansion at longer ranges — these bullets cannot hold sufficient velocity to the extreme ranges possible with the larger cartridges. Therefore, heavier bullets, with longer noses and smaller meplats, were preferred.

The advent of the Nosler Ballistic Tip varmint bullet (and its various copies) changed things. That tiny chunk of plastic does three important tasks. First, it allows designers to increase jacket thickness, which accommodates increased velocity. The plug in the bullet nose initiates rapid expansion, even at reduced velocity.

Second, this lightweight insert extends the bullet nose and accommodates use of a longer ogive — the radius of the curve of the bullet tip. This significantly increases ballistic efficiency without reducing accuracy potential.

Third, it allows the manufacturer to include an unusually tiny meplat, again improving ballistic efficiency.

The Theory Of Relatively Light Bullets

With these facts in mind, we recently ran calculations on various varmint loads in .22 caliber cartridges, ranging from .22 Hornet to the wildcat .22-243. In all instances, Nosler's 40 gr. BT provided the best combination of flat trajectory (mini

continued on page 22



The Truth Is Out There.



For performance that's out of this world, see your nearest Hodgdon dealer. Call for a FREE reloaders manual and the truth about the cleanest burning powders on the planet.

 **HODGDON**
THE BRAND THAT'S TRUE

P.O. BOX 2932 • SHAWNEE MISSION, KANSAS 66201 • (913) 362-9455 • www.hodgdon.com

NEW?*

*Yes, but it's over 50 years old!

A Mauser 98K Model M48, the strongest and safest of bolt action rifles, constructed of Superior Material on German tooling set up and run by Germans in Yugoslavia during WWII.

The condition is Military-New with clean, Bright Bores, like-new bluing, and teak wood stocks.

Held in military storage for over 50 years, inspected, maintained, and repacked every 5 to 10 years.

Built tough for military service, it is now a civilian!

Preserved by an accident of history, this new supply will not last long.

This Mauser is ideal for collecting, target shooting, hunting, or customizing.

Original Factory Matching Serial Numbers on All Rifle Parts.

Every rifle is complete with its original accessories as issued at the time.



This Collector Grade Rifle is
Yours for \$295.00

Other Grades Also Available

Mitchell's Mausers

P.O. Box 9295
Fountain Valley, CA 92728-9295
714-899-3660 FAX 714-899-8611

www.MitchellSales.com

Dealer inquiries also specifically invited

THE ULTIMATE continued from page 20

mizing ranging errors) and delivered velocity (for maximum terminal effect) at any reasonable range at which prairie dogs and similar vermin might be shot.

Consider the 40 gr. and 55 gr. BT, both loaded to top .22-250 velocity. At 500 yards, the 55 gr. bullet drops 3.0" more than the lighter 40 gr. bullet. This suggests that minor errors in range and wind estimation would result in a significantly greater sighting error with the heavier bullet. It is also interesting to note that the lighter bullet's lighter recoil allows the shooter to get back on target faster, which allows him to see more impacts.

With this principle in mind, we set out to develop maximum-velocity accuracy loads for a pair of varmint rifles: a Savage and a Remington VLS, both chambered in .22-250.

After initial testing with several other powders, we settled on Hodgdon's BenchMark and VarGet. Of several tested primers, the BR2 worked best. Bullets were properly

moly-coated using the Neco process.

We used Redding's Ultra-Mag press, competition dies (neck bushing, full-length resizing and seating) and shell holders. Powder was metered with the RCBS electronic powder dispenser. We seated primers with an RCBS APS hand held tool.

While we only tested a few powders, we are certain that equally good and perhaps superior results might have been obtained with any of several others. Likely candidates include: N540, IMR-3031 and 4895, H-322, RL-15 and Ramshot Big Game. It is feasible that one of these might provide superior accuracy and velocity in any given gun.

We settled on VarGet and BenchMark for two main reasons. First, these are temperature-compensated powders. We often shoot under widely varying conditions (typically between 40 and 110 degrees F). Second, we've had good past experience with VarGet and we wanted an opportunity to become familiar with Hodgdon's newest product.

The current QuickLoad ballistic CD database does not include BenchMark. However, we are told that, in most applications, its burning rate is rather similar to IMR-3031. If true, we would expect BenchMark to shine in our testing, which it did.

Building A Perfect Load

We tested three 40 gr. bullets: Hornady V-Max, Barnes VLC and Nosler BT. The Nosler had the accuracy edge. We prepped several hundred R-P and Norma cases. We used the former during load development, the latter during accuracy and ballistic uniformity testing.

Estimated Velocity*:

.22-250 Maximum Pressure Loads

POWDER	VELOCITY
N540	4,450 fps
BenchMark	4,425 fps
IMR-3031	4,425 fps
IMR-4895	4,425 fps
H322	4,365 fps
RL-15	4,365 fps
TAC	4,355 fps
BigGame	4,355 fps
VarGet	4,325 fps

*Velocities estimated utilizing QuickLOAD ballistic data generation program.

COMPARATIVE BALLISTICS .22-250 Loads: Light vs. Heavy Bullets

40 GR. NOSLER BALLISTIC TIP

RANGE	VELOCITY	FLIGHT TIME	ENERGY	TRAJECTORY	WIND DEFLECTION*
0 yds.	4,491 fps	0.0	1,791 ft./lbs.	-1.7"	0.0"
100 yds.	3,915 fps	0.0716	1,461 ft./lbs.	+1.8"	0.1"
200 yds.	3,408 fps	0.1537	1,032 ft./lbs.	+3.0"	0.4"
300 yds.	2,957 fps	0.2482	777 ft./lbs.	+1.3"	0.9"
400 yds.	2,549 fps	0.3578	577 ft./lbs.	-4.5"	1.6"
500 yds.	2,175 fps	0.4851	420 ft./lbs.	-15.7"	2.7"

55 GR. NOSLER BALLISTIC TIP

0 yds.	4,012 fps	0.0	1,966 ft./lbs.	-1.7"	0.0"
100 yds.	3,571 fps	0.0792	1,564 ft./lbs.	+2.0"	0.1"
200 yds.	3,187 fps	0.1681	1,240 ft./lbs.	+3.0"	0.3"
300 yds.	2,829 fps	0.2680	977 ft./lbs.	+0.5"	0.8"
400 yds.	2,498 fps	0.3810	762 ft./lbs.	-6.3"	1.5"
500 yds.	2,190 fps	0.5093	586 ft./lbs.	-18.7"	2.4"

*Wind deflection based on a 1 mph crosswind.

ULTIMATE .22-50 High-Velocity Loads

SAVAGE MODEL 12BVSS-S

CHARGE	BULLET	OAL	VELOCITY	ACCURACY*
41.0 grs. VarGet	40 gr. Nosler BT	2.38"	4,285 fps	0.58"
42.0 grs. VarGet	40 gr. Nosler BT	2.38"	4,350 fps	1.22"
39.5 grs. Benchmark	40 gr. Nosler BT	2.40"	4,420 fps	0.85"
40.0 grs. Benchmark	40 gr. Nosler BT	2.40"	4,461 fps	0.51"

REMINGTON MODEL 700 VLS

40.0 grs. VarGet	40 gr. Nosler BT	2.40"	4,220 fps	0.75"
41.0 grs. VarGet	40 gr. Nosler BT	2.40"	4,325 fps	1.10"
40.0 grs. VarGet	40 gr. Hornady V-Max	2.40"	4,211 fps	0.85"
40.0 grs. VarGet	40 gr. Barnes VLC	2.40"	4,174 fps	0.90"
39.0 grs. Benchmark	40 gr. Nosler BT	2.40"	4,268 fps	0.70"

Accuracy measurements are the average of three, five-shot groups at 100 yards. All loads assembled using CCI BR2 primers.

Using Redding's bushing die, combined with a 0.221"-diameter expander ball, we neck-sized all cases, which had previously been fired in these rifles. With Remington cases, we used a 0.248" neck bushing; in the thicker-necked Norma cases, the 0.251" bushing worked better.

Case preparation included primer pocket truing, flash hole deburring, minimal length trimming, neck inside- and outside-deburring and careful inside neck polishing. We accomplished the latter by wrapping a well-worn bore brush with 0000 steel wool, chucking that into a vise-held hand drill and running the otherwise finished cases over the spinning brush. These cases were then cleaned and polished in a vibratory tumbler with clean corncob media and RCBS polish. The final steps were washing — to remove any abrasive debris — and drying.

We seated CCI-BR2 primers with the hand held APS tool. With the Stoney Point tool we determined it would be impossible to seat these short 40 gr. bullets anywhere near the rifling in either rifle. Therefore, we chose to seat all bullets with about 0.15" of bullet shank inserted into the case neck — the minimum we feel comfortable using with field loads. This gives the cartridge an OAL near 2.4".

Load development started with 40.0 grs. of VarGet, which is Hodgdon's maximum suggested charge for a 2.35" OAL load using conventional 40 gr. bullets. Our experience with this Savage and moly-coated bullets suggested we would have no pressure problems at

this level; we did not. The same load worked well in the Remington. Loads up to 42.0 grs. worked well in the Savage, not in the Remington (which has far fewer rounds through the barrel).

With BenchMark powder, we used the QuickLOAD prediction for 3031 as a base-line and started load development at 38.0 grs. The Remington shot well at 39.0 grs.; the Savage shot well at 40.0 grs.

High-Speed, Low-Drag

With the loads worked up and favorable weather conditions in the forecast, we headed to the varmint fields to put these hot loads to work. We knew the Savage rifle was capable of accuracy between 0.20" and 0.30", and that the Remington was able to routinely pierce a dime at 100 yards. This is just the kind of accuracy we needed to prove what these .22-250 loads could do to prairie dogs out at 500 yards.

The loads did not fail to perform as expected. In one instance, another shooter was having difficulty with a dog out at maximum range with his .223 and a load made with 55 gr. BT bullets. Our Savage rifle, with the crosshairs settled about 8" right and 18" high to account for distance and crosswind, hit its mark with the first shot. After the fact, we measured the distance at 525 yards — which certainly settles any questions about the effectiveness of a 40 gr. bullet traveling at 4,500 fps.



FOR MORE INFORMATION Nosler Bullets

107 SW Columbia
Bend, OR 97702
(800) 285-3701
www.nosler.com

Blount/RCBS/CCI

2299 Snake River Avenue
Lewiston, ID 83501
(800) 627-3640
www.blount.com

Redding

1089 Starr Road
Cortland, NY 13045
(607) 753-3331
www.redding-reloading.com

Hodgdon Powder

P.O. Box 2932
Shawnee Mission, KS 66201
(800) 622-4366
www.hodgdon.com

Neco/QuickLOAD

P.O. Box 427
Lafayette, CA 94549
(800) 451-3550
www.Neconos.com

There's no concealing the price.

Kydex® Concealment Holsters by SIDEKICK® PROFESSIONAL.
Just \$19.95.

Kydex® has long been the material of choice among custom holster makers. Now SIDEKICK® PROFESSIONAL is offering custom quality, custom features and the same Kydex material... all at a fraction of the cost. Choose from a Belt Holster at \$19.95 or a Paddle Model at \$22.95 and you'll see for yourself just why these holsters offer a superior level of concealment and the ultimate in user performance. At these prices, it makes you wonder what some other holster companies are trying to hide. See for yourself. Call or write for a FREE catalog today.

See your favorite shooting sports retailer or call today.



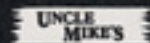
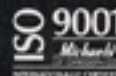
Dedicated to Duty™



Visit our website or send for a FREE catalog:

SIDEKICK PROFESSIONAL, P.O. Box 1690, Oregon City, OR 97045

Phone (503) 655-7964 www.sidekick-pro.com ©2001 Michaels of Oregon Co.



Methods Of The Master

Shooting champion Bill Blankenship coined the term “positive pressure” to describe proper trigger control. Blankenship’s competitive career started in the 1950s, first as a member of the U.S. Army rifle team, then as a member of the Army pistol team. His greatest achievements were in pistol competition, in which his many victories included a world championship, five All-Army titles and six national championships.

Blankenship described “positive pressure” as pressure that is constantly increasing, straight to the rear, in such a way as not to disturb sight alignment or impart movement to the gun.

In this method the shooter accepts that the gun is never completely still. Obviously, the amount of movement depends on the shooting position. As the shooter goes from the benchrest to prone to sitting to offhand, the gun is progressively less steady. Nonetheless, the procedure is the same.

The shooter indexes the gun on target and observes the sight

picture as mind and body coordinate to settle the gun into a minimum arc of movement. As the gun settles, the shooter applies positive pressure to the trigger, pressing it straight back at a constantly increasing speed until the gun fires.

The continuous pressure technique avoids the problems of the graduated release method. It takes longer to learn, but once learned it can be accomplished very quickly. It is suitable for fast running shots as well as precision shooting. It does not prevent flinching, but it doesn’t promote it either.



Shooting legend Bill Blankenship, right, seen here with the author, revolutionized shooting with the concept of “positive trigger pressure,” a vast improvement over the graduated trigger-pull method which was commonly used at the time.

I’ll Take Mine Dry And Quiet

Trigger control is best learned by dry firing. With dry firing there is no noise or recoil to cause flinching or to mask errors. When dry firing, check, double check, and check again to be absolutely certain the firearm is empty. There should be no ammunition anywhere

in the vicinity of the practice area, and the backstop should be sufficient to hold the bullet should the gun fire.

The objective is to train the nerves controlling the trigger finger. Align the sights or scope on a blank wall and practice pressing the trigger straight back at a constantly increasing speed. Evaluate the quality of the trigger release by observing the sights during and after the trigger press. Ideally, the trigger break should not add movement to the sight picture.

How much practice does it take? Blankenship has written that he worked on nothing else for three straight months before he felt the skill had become a conditioned reflex. Subsequently he began each competition season with one to three weeks of dry firing to regain trigger control. Once trigger control has been learned, the shooter can move on to the next challenge, which is learning to hold the gun as motionless and consistently as possible.

ACCURACY: Simple, Not Easy

Theoretically, accurate shooting is straightforward. Hold the firearm as still as possible. Hold it the same way for each shot. Release the trigger without imparting movement to the gun. It’s not like flying an airplane or playing a piano.

Simple, but not easy. Trigger control — releasing the shot smoothly and consistently, without disturbing the index of the gun on

target — is the essence of marksmanship. The challenge is difficult enough that you can always find room for improvement.



Trigger control, one of the keys to hunting accuracy, will improve your marksmanship whether you’re shooting from a solid rest or from a relatively unsteady off-hand position.



THE FULL-SPECTRUM .32

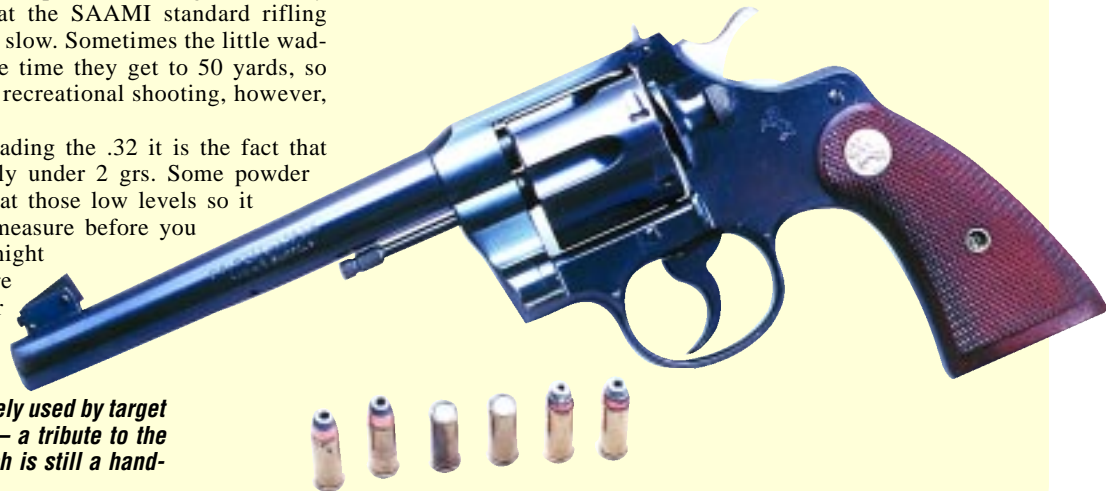
We worked up a variety of general-purpose handloads for the .32 S&W Long. Most of our experience with the .32 has been target shooting with the 98 gr. HBWC, but we added the Bull-X 100 gr. LSWC to the plan. Just to be sure we didn't miss anything, 85 gr. and 100 gr. JHPs were shot too.

While it may seem strange to younger shooters, there is a connection between the .32 and the target shooter. For years the .32 S&W Long has been a virtual standard for the International Centerfire Match. Here the shooters use serious target pistols chambered for the cartridge in an event that requires both speed and accuracy.

The minimal recoil makes it a perfect cartridge. The only small drawback is the fact that the SAAMI standard rifling twist is 1:18.75, which is pretty slow. Sometimes the little wadcutters can lose stability by the time they get to 50 yards, so velocities can't be too low. For recreational shooting, however, that isn't a concern.

If there is a downside to loading the .32 it is the fact that powder charges are tiny, usually under 2 grs. Some powder measures may not be accurate at those low levels so it pays to thoroughly check the measure before you load much ammo. As you might expect, fast-burning powders are the rule, and Bullseye or Winchester 231 both work well with this cartridge.

The .32 S&W Long was once widely used by target shooters and law enforcement — a tribute to the versatility of this cartridge, which is still a hand-loading favorite.



Since the pressure limit for the .32 S&W Long is a very modest 12,000 CUP, excessive velocity is a concern. Many older guns out there simply cannot tolerate much more pressure. This is perhaps the best example ever of the futility of trying to increase velocity without a specific reason for doing so.

All of our loads were taken from published sources. A couple of these loads were very promising. The Bull-X 100 gr. SWC emerged as a new favorite with a charge of 2.5 grs. of WW 231. The wadcutter seemed to shoot best with 1.9 grs. of the same powder. The 788 fps velocity is plenty to stabilize that bullet out to 50 yards and beyond.

The combination of reasonable gun cost and reloads that don't cost much more than shooting .22 rimfire, make the .32 S&W Long a fun and affordable cartridge.

Where Have All the .32s Gone?

Long before the power craze swept handgunning, citizens and cops alike often carried revolvers chambered for one of the .32 revolver cartridges. They were just fine with that and didn't think anything was wrong until somebody told them they were undergunned. Things have never been the same.

In spite of prevailing opinion, the .32 S&W Long is not a toy. Nor is it a "mousegun." It's a neat old cartridge with very little recoil and pleasing accuracy. These old guns are readily available, often with modest price tags, and provide enterprising reloader with a very different kind of plinking fun. The beauty of the .32 S&W Long — the most common of all the older .32s — is that it is amazingly accurate, inexpensive to shoot, and brass seems to last forever. Of course, you can also shoot it in .32 H&R Mag. revolvers.

Components are readily available and the biggest decision will be which bullet to use. Even though JHP styles are available in 85

gr. to 100 gr. weights, the little cartridge simply screams for lead bullets. After all, this is not a candidate for hotrod hand-loading. Data can be found in most loading

manuals so don't be afraid to try some different load work-ups for this classic handgun cartridge.



.32 S&W LONG LOADS

TEST FIREARM: S&W MODEL 16 (4" BARREL)

Cases: Federal, Primers: CCI

POWDER CHARGE	VELOCITY
Hornady 85 gr. JHP	
2.5 grs. Unique	.632 fps
2.6 grs. WW 231	.600 fps
2.8 grs. WW 231	.654 fps
Speer 98 gr. HBWC	
1.6 grs. Bullseye	.658 fps
1.8 grs. Bullseye	.789 fps
1.7 grs. WW 231	.659 fps
1.9 grs. WW 231	.788 fps
Bull-X 100 gr. SWC	
2.3 gr. WW 231	.651 fps
2.5 gr. WW 231	.744 fps

DOUBLE LUBRICATION

Shotgunners consider the O/U and SxS to be the most delightful guns in the world – and, of course, they are also the most expensive. Yet when examining many quality doubles on the used gun rack or at shows, it's disheartening to see galled hinge pins and trunions, stiff cocking cams, gummed-up bolts, and general lack of attention given to the working surfaces of fine double actions by previous owners. Here are a few maintenance suggestions that will keep a double's easily accessible working parts in tip-top shape.

1: TRUNIONS

These are the hard working, precise pivot points of an action. Every time a gun opens or closes, these points of contact between the hooks of the barrel lumps and the frame are wearing against each other. They should be cleaned each time the gun is cleaned and re-lubricated with a light, temperature-insensitive grease. The widely available Shooter's Choice All Weather High-Tech Synthetic Grease, packaged in a plastic syringe, has an operating working range of -65 F to +350 F and is harmless to plastic and rubber. It's easy to apply, stays put, is inexpensive and works.

2: KNUCKLE

This is the radius at the front of the frame that bears against the matching radius of the forearm iron. It's another important shotgun grease fitting. Clean both surfaces and apply a light coating of grease upon reassembly.

3: BOLTS

Bolts and bolting recesses are so perfectly fitted that we favor a light touch of synthetic oil rather than grease. Birchwood Casey's Synthetic Gun Oil with Teflon is temperature insensitive, doesn't gum up, and a small dab applied with a cotton swab works to perfection. Again, re-lubricate at every cleaning.

4: CAMS, RODS & EJECTORS

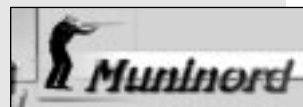
They do a lot of work: tolerances are tight and timing is perfect, but they move very little. Again, keep them clean and lubricated with a slight film of synthetic oil.

Keep these hard-working parts cleaned and properly lubricated and you will extend the life of your double-barrel shotgun.



DOUBLE IMPACT

Here's a curious load coming out of Italy under the Muninord



label. It's a 12 ga. shell in which the shot column is loaded in two separate wads. The maker claims the patterns delivered by the dual-wad system are effective for distances from 30 meters to 100 meters. Even with a cylinder bore, the Muninord shells are rated effective from 20 meters to 80 meters. This is one load that's really worth a try.

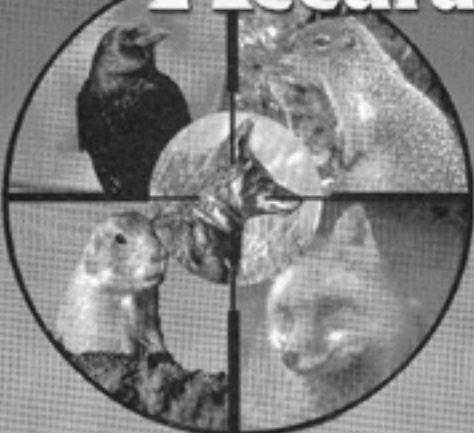


FOR MORE INFORMATION CONTACT:

Muninord

www.newballistics.com
doubleimpact.com

Accurate & Effective



BlitzKing from Sierra

Sierra has combined the extreme accuracy of our world-famous MatchKing bullets with the effective explosive characteristics of our acetyl resin bullet tip technology to create the worlds deadliest and most accurate varmint bullets that will exceed your expectations. With their exceptional match jacket design and exacting construction, BlitzKing bullets are proven effective in all types of varmint shooting. From the accurate and hard-hitting .22-250 to the tremendously versatile .243, Sierra BlitzKings are available bulk packaged in boxes of 100 and 500 bullets. Moly-coat is also available in boxes of 500. Get results. Select the exciting BlitzKing.



Sierra INFINITY
Exterior Ballistic Computer
Software

CD-ROM
Only \$39.95

SIERRA
The Bulletsmiths®

1400 West Henry Street • Sedalia, MO 65301

Call TOLL-FREE 1-800-223-8799 for tech support. For all other business
1-888-223-3006. Mon. - Fri. 8 am to 10 p.m. Central Time U.S.A. & Canada.
660-827-5300 • FAX 660-827-4999 • e-mail: sierra@sierrabullets.com

Contact your dealer for the complete line of Sierra bullets or visit
www.sierrabullets.com

What's more fun than shooting a .22 long rifle?

TYPICAL COST TO LOAD A 30/30 CARTRIDGE

Powder	.099
Primer	.018
Gas Check	.024
Total	.141
	x 20
Box	\$2.82*

*Note: Using cast bullets. At \$1.25 if using premium-jacketed bullets. Prices quoted are suggested retail - some may vary by buying in bulk.

Just about any center fire rifle!

Reload your own ammo for your favorite rifle and you can shoot it for little more than .22 long rifle. And if you're like most people, you and your kids will enjoy reloading and casting just as much as shooting! Complete kits start at under \$20.

Be assured of a good supply of quality and economical ammunition by reloading your own and having fun doing it!

Lee shows you how to reload rifle ammunition!



LEE ANNIVERSARY KIT is your first choice! Everything you need to reload pistol and rifle cases, except the dies. **104⁹⁸**

Select die



LEE COLLET DIES

These are best for target shooting with a bolt action or single shot rifle. They provide maximum accuracy and longest case life because only the case neck is sized to hold the bullet.



LEE LOADER



LEE PACESETTER DIES

All other rifle shooting should be done with dies that full length size and apply a firm crimp. Only Lee Pace Setter Dies include a shell holder, load data and a factory crimp die; all of which are essential for factory-like ammunition.

Lubricate



Lubricate, deprime and size all of your cases which are in good condition.

Prep case



Gauge and trim the cases with the Lee Case Trimmer.

Remove sharp edges from inside and outside after trimming. One turn with the Lee Chamfer Tool does the job with no chatter.

Prime



Prime your case. The Lee Auto-Primer is the first choice of reloaders world-wide.

Powder Prep

Set the Lee Perfect Powder Measure according to the data supplied with your Lee Dies.



Seat bullet



Seat the bullet to the desired depth.

Crimp

If you have full length sized your cases, be sure to crimp the bullet firmly in place with the exclusive Lee Factory Crimp Die or the modified Taper Crimp Die. Both are included with the Lee Pace Setter Dies.



Want to know more? Send \$1.00 today for our 32-page catalog or visit the Lee web site at www.leeprecision.com

LEE

LEE PRECISION, INC.
DEPT. 408
4275 HWY. U
HARTFORD WISCONSIN 53027

Laser Grips

Crimson Trace is the leading maker of micro-lasers for handguns, under the brand name Laser Grips. As the new name implies, the laser is incorporated in a replacement grip. The laser-aiming device is fully adjustable for windage and elevation, and the grip does not interfere with any holsters.

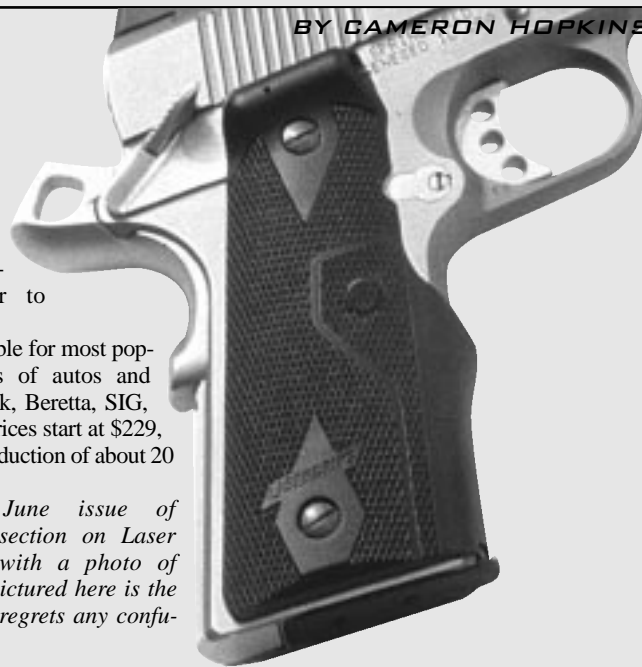
Most importantly, the Laser Grip people emphasize that conventional iron sights are still fully functional, unobscured and unimpeded — and they advise you to use them, except in certain situations that lend themselves to the tactical use of their built-in laser. Laser Grip tells you up front that their product is an auxiliary aiming device. “We believe you should always be able to sight and shoot a handgun without a laser,” says the first page of the company’s catalog.

Having granted that practical point, the Laser Grip is, in fact, an excellent adjunct to iron sights. First, a laser can be aimed from awkward positions, like reclining in bed or sprawled on the floor. Second, the laser is superimposed on the target so that if the eye is drawn to the threat, instead of the sights,

there is an aiming reference. Third, the laser can be a powerful deterrent, allowing a potentially lethal encounter to de-escalate.

Laser Grips are available for most popular makes and models of autos and revolvers, including Glock, Beretta, SIG, S&W, Colt and Taurus. Prices start at \$229, reflecting a recent price reduction of about 20 percent.

Errata: In the June issue of “Quartermaster,” this section on Laser Grips was published with a photo of another grip. The grip pictured here is the correct product. GUNS regrets any confusion caused by the error.



FOR MORE INFORMATION CONTACT:

Crimson Trace

8089 SW Cirrus Dr.
Beaverton, OR 97008
(800) 442-2406
www.crimsontrace.com

TACTICAL!

WITH THE
EXCLUSIVE!
AXIS LOCK

The **Model 722** clearly defines what a tactical knife should be... with its geometric tanto blade that's beveled both sides and ground of ATS-34 stainless; solid G10, contoured handles with raised texture for active grip; AND the exclusive **AXIS™** mechanism with dual thumb-stud openers for fast and completely ambidextrous rock-solid-tough function.

The Model 722 is built by Benchmade for those individuals who demand a higher standard of performance from their gear. This isn't just some “wanna be” hard-use tactical trinket, it's definitely for real. Are you?



Blade length: 3.25"
Overall open length: 7.62"
Closed length: 4.37"
Total weight: 4.00 oz.

Integral finger treads top and bottom for non-slip positive blade control.

Machine contoured handle shape with raised texture for aggressive grip.

The Model 722 is available in four different blade configurations, including SBT, a partially serrated edge with black BT2® blade coating for increased corrosion resistance.

BENCHMADE®

BENCHMADE KNIFE COMPANY, INC • OREGON CITY, OREGON USA • 1.800.800.7427 • www.benchmade.com • MADE IN THE USA

Leatherman PST

B umming around Europe in the 1970s, a carefree young American engineering student met a spot of trouble when his rental car broke down in the middle of nowhere. A can-do sort of a guy, the young man attempted a make-shift repair but was unable to cobble the jalopy together because he didn't have a pair of pliers.

Back in the States, the young man put his engineer's mind to work on the problem and devised a small, handy device that contained every tool a person could want, in a pinch. The young man's name was Tim Leatherman.

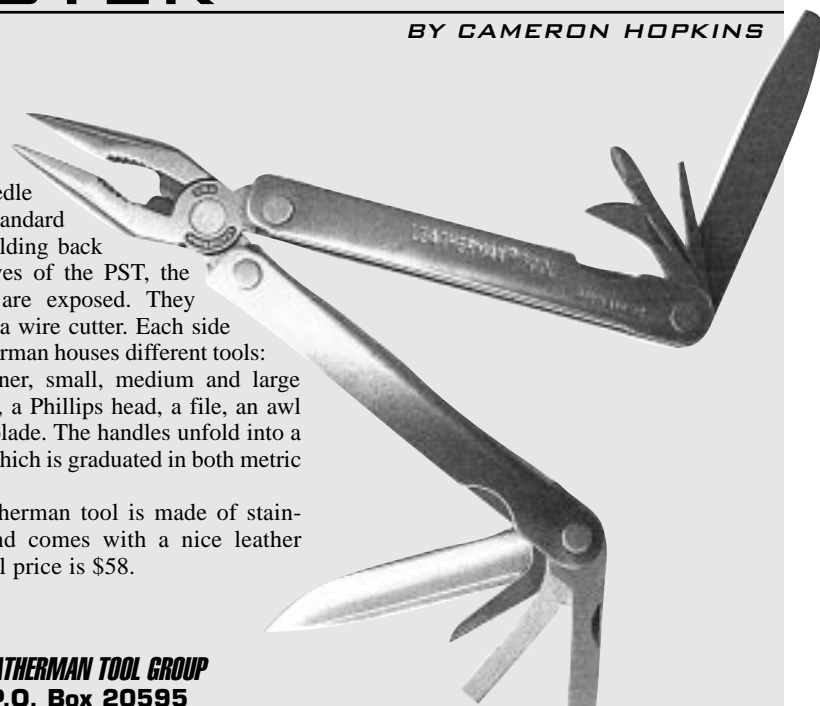
Today the Leatherman Tool Group Inc. manufactures a wide array of different versions of the original Leatherman multi-purpose tool. The patent on the original Pocket Survival Tool ran out several years ago and there are a host of imitators on the market, but we find the original model, now called the PST, to be elegantly simple and wonderfully useful.

The PST contains the signature tool of a Leatherman — pliers. They are a combina-

tion of a needle nose and a standard pliers. By folding back the two halves of the PST, the pliers jaws are exposed. They also contain a wire cutter. Each side of the Leatherman houses different tools: a bottle opener, small, medium and large screwdrivers, a Phillips head, a file, an awl and a knife blade. The handles unfold into a 7.75" ruler which is graduated in both metric and English.

The Leatherman tool is made of stainless steel and comes with a nice leather pouch. Retail price is \$58.

LEATHERMAN TOOL GROUP
P.O. Box 20595
 Portland, OR 97294
 (800) 762-3611
www.leatherman.com



Striking Accuracy, Striking Beauty

THE SAVAGE STRIKER™ SERIES OF HANDGUNS WILL PROVIDE THE EXCITEMENT FOR YOUR ULTIMATE HUNTING OR SHOOTING EXPERIENCE. A VARIETY OF MODELS TO CHOOSE FROM, BASED ON OUR PROVEN BOLT-ACTION RIFLE DESIGN, AND CHAMBERED IN TODAY'S MOST POPULAR SHORT-ACTION CALIBERS. WHETHER IT'S LARGE GAME, VARMINTS, OR COMPETITION SHOOTING - THE SAVAGE STRIKER™ SERIES WILL MEET YOUR NEEDS. SEE YOUR LOCAL FIREARMS DEALER FOR A CLOSER LOOK.



SAVAGE ARMS
 THE DEFINITION OF ACCURACY

100 SPYGLASS RD. WESTFIELD, MA 01095 WWW.SAVAGEARMS.COM

Meprolight Reflex Sight

Flattop AR-15s and M4s allow shooters to mount a variety of sights onto the weapons. Optical sights are not only faster in acquiring a target, but they are also more precise in hitting it than iron sights. We tested an optical sight by Meprolight that's designed for assault rifles.

It's called the Reflex Sight and it features an illuminated aiming reticle, a small, amber crosshair. The crosshair subtends 5.5 MOA.

The Meprolight Reflex sight does not rely on batteries to illuminate the aiming reticle. Instead, it uses tritium in the dark and fiber optic light transmission in the day. We mounted it on a Colt with a flattop M4 upper.

We found the Meprolight's aiming reticle to be fuzzy and indistinct compared to a battery-powered dot in an Aimpoint clicked on its brightest setting. On the other hand, when we removed the battery from the Aimpoint, the Meprolight was considerably brighter!

Therein lies the attraction of self-illuminated sights like the Meprolight — they are

not dependent on batteries. The downside is that they are not as distinct as a battery-operated sight.

The adjustments on the Reflex Sight are calibrated in 1/4-minute clicks for windage and elevation. The unit attaches to a Picatinny rail with a single Weaver-style clamp. It is rugged and reliable. What performance it sacrifices with its self-illuminated reticle is more than compensated for by its greater durability and reliability. Made in Israel by Meprolight, the Reflex Sight is imported by Kimber and retails for \$350.



MEPROLIGHT

1 Lawton Street
Yonkers, NY 10705
(914) 964-0771
www.kimberamerica.com

THE AMAZING "Wear What You Want" CONCEALED HOLSTER NO ONE WILL EVER KNOW YOU'RE CARRYING.

THUNDERWEAR™!



DEFENSELESS

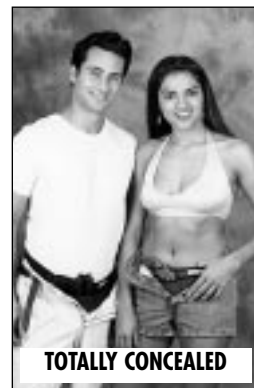


THINK AGAIN!!

THE IDEAL DEEP
CONCEALED HOLSTER
THAT YOU'LL WEAR
ALL YEAR LONG.
PERFECT FOR NORMAL
RIGOROUS ACTIVITY.
QUICK ACCESS TO
YOUR WEAPON.



COMPLETE COMFORT



TOTALLY CONCEALED

Imagine the freedom of

wearing shorts, jeans, sweats, slacks, T-Shirts, even swimming trunks. Leave your shirt neatly tucked in or, take your SHIRT OFF! Imagine a holster with no clothing restrictions! Worn on the hips for all day & night comfort sitting or standing - designed by a wearer. THUNDERWEAR™ has sizes to conceal large autos such as 45's down to 22's and every weapon in between. Perfect for revolvers. "USED BY UNDERCOVER POLICE, FBI,"

ORDER TODAY 1-800-830-3057 Credit Card Orders

\$44.95 plus \$8.95 S&H NY residents add 8-1/2% tax

or FAX YOUR ORDER TOLL FREE 888-830-3058 or 516-877-2048

NOW Discounters of
Crimson Trace
and
LaserMax INC.
Ask Us!

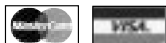
Phone Number () _____ Waist Size: _____ Right ☐ Left ☐ Gun Make _____ Model # _____

Check Enclosed ☐ Please enclose your name & address. Make checks payable to:

Defense Security Products

3-01 PARK PLAZA, SUITE 108, OLD BROOKVILLE, NY 11545

Visit our "Secure" Homepage - <http://www.thunderwear.com>



DISCOVER
CARD



QUARTERMASTER

Galco CCP Holster

Galco International produces the finest quality holsters and leather accessories of any of the major manufacturers. That's a bold statement and one that we don't make lightly, but we have used so many of Galco's excellent products over the years that we feel we can confidently say it — Galco can't be beat.

Galco's latest is the "Concealed Carry Paddle" made for most every handgun that one could want to carry. We tested one with a Glock 19. Constructed of premium saddle leather, the CCP features a patented belt lock on its paddle. The paddle is contoured to fit the hip comfortably, and allows the holster to be securely retained, but also quickly removed.

The idea of a paddle holster is to accommodate CCW holders and other professionals who wear a gun concealed in public, but want to remove it at work or around the house. The paddle tucks inside the pants and the belt-lock clip secures it.

Construction of the CCP is immaculate. The stitching is straight and even, double-

stitched in stress areas. Like all of Galco's leather holsters, the CCP features a hand-boned fit that is crisp and beautifully executed. Such a tightly boned fit makes a brand-new holster a bit stiff to draw, but the holster becomes more supple with use. We worked our Glock in and out to loosen the fit, a normal "break in" with a quality leather holster.

The color was a rich Havana brown, the dye deep and lustrous. The edges were polished to a sheen and dyed a darker shade. Black is also available.

GALCO INTERNATIONAL
2019 W. Quail Avenue
Phoenix, AZ 85027
(800) 874-2526
www.usgalco.com



KEL-TEC SUB-2000



The SUB Rifle 2000 is a self-loading carbine for pistol cartridges. Different versions of the SUB-2000 will accept most modern handgun magazines, e.g. S&W, Glock or Beretta. By rotating the barrel upwards and back, the SUB-2000 can be reduced to a size of 16" x 7" to facilitate secure storage. The SUB-2000 also features an internal keyed deployment lock.

Technical specifications		
Weight unloaded	4 lbs	1.8 kg
Length open	30"	762 mm
Length closed	16"	406 mm
Barrel length	16.1"	409 mm
Practical range	150 yd	150 m
Safety:	Recessed push-button Lock-back operating handle Keyed deployment lock	

OTHER KEL-TEC PRODUCTS



P-40



P-30



P-11

KEL-TEC CNC INDUSTRIES INC.
PO BOX 236009
COCOA FL 32926

www.kel-tec.com



GUNPOWDER: *AN INSIDER'S VIEW*

It's black, it comes in a can and it goes "bang." Beyond that, few handloaders know the facts that make powder selection such an important aspect of load development.



Above: Don't take them for granted — today's powders are miracles of chemical innovation and industrial development. Left: Ever wonder why they call it "Cordite"? Opening a .303 cartridge reveals that this substance is indeed cords of "powder."



By Holt Bodinson

Located in the Ballistics Laboratory of Alliant Powder is a jug of water which contains a batch of Unique powder that was produced in 1899. Periodically, a small sample is withdrawn, dried and test fired. After 102 years, it still meets the current specifications for Unique.

As handloaders, we are blessed with the largest selection and quality of canister-grade powders in history. There are over a 100 different smokeless powder formulations available from the major manufacturers and importers, including Accurate Arms, Alliant, Hodgdon, IMR, NobelSport, Norma, Vihtavuori, and Western Powders plus dozens of other formulations through smaller surplus powder dealers.

Stepping back in time for a moment, the history of gunpowder is rather intriguing. That foul-smelling, smoky mixture called blackpowder begins to appear in historical accounts around 800 A.D. Composed of 15 percent charcoal, 75 percent potassium nitrate, and 10 percent sulfur, the chemistry of this basic mixture is relatively simple. The charcoal is the fuel; potassium nitrate, the oxidizer; sulfur facilitates the ignition process. For centuries it was carried around and loaded in loose powder form — even mixed on the spot sometimes because the vibrations of transport would cause the three chemical components to separate.

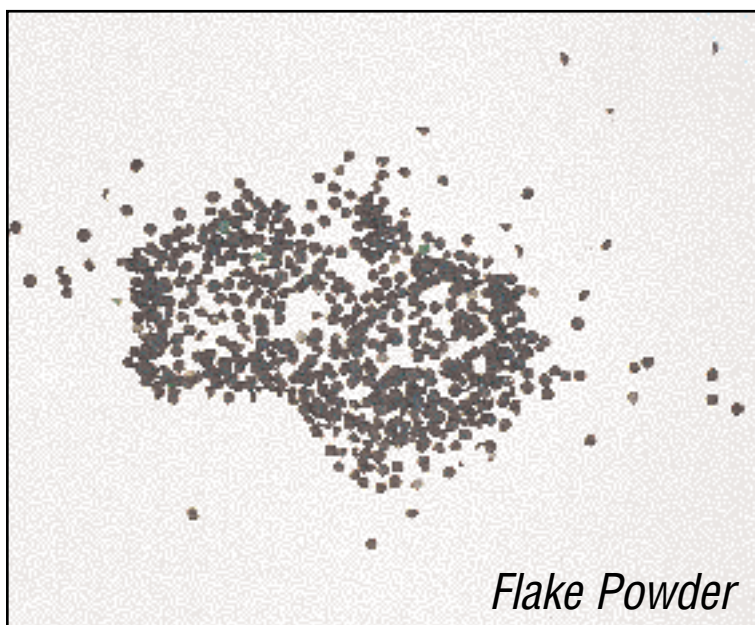
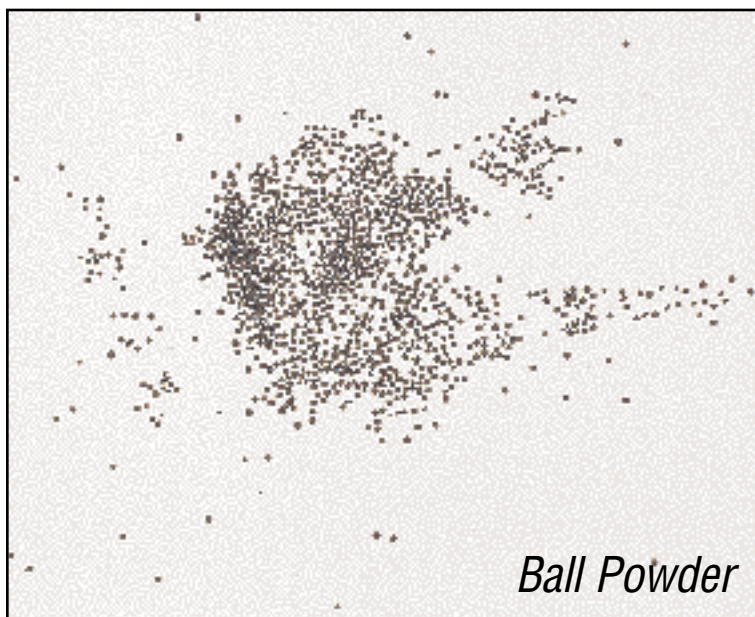
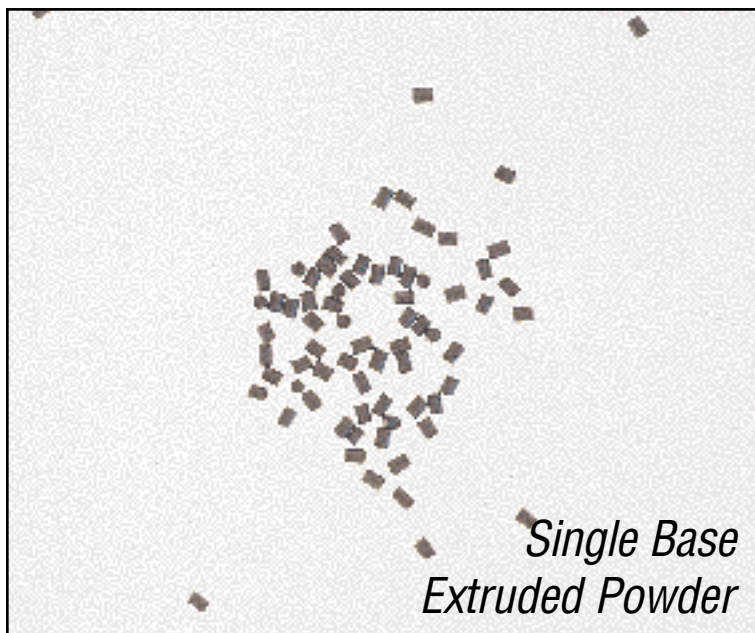
Finally, around the 16th century, someone developed the process of adding water to the mixture, rolling it out, letting it dry, crushing it and sorting out the grains by size. Essentially, blackpowder remains unchanged today. If it has a redeeming quality, it is its incredible stability. This, of course, can be seen in the occasional report of an antique muzzleloader, left loaded for years, discharging when the trigger is pulled.

Powder In The Modern Age

Modern, smokeless propellants date from 1846 when both nitrocellulose and nitroglycerin first emerged from European laboratories.

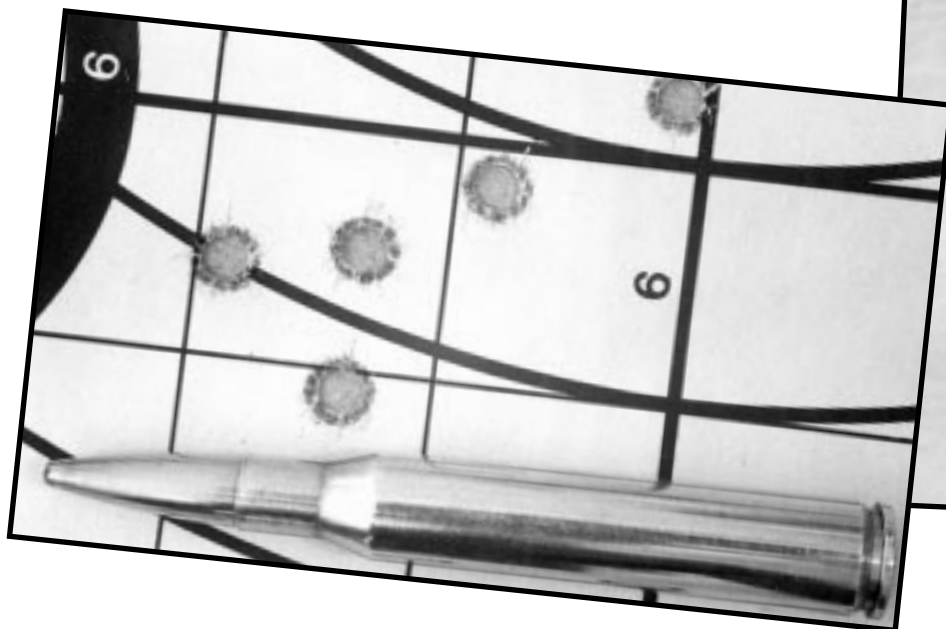
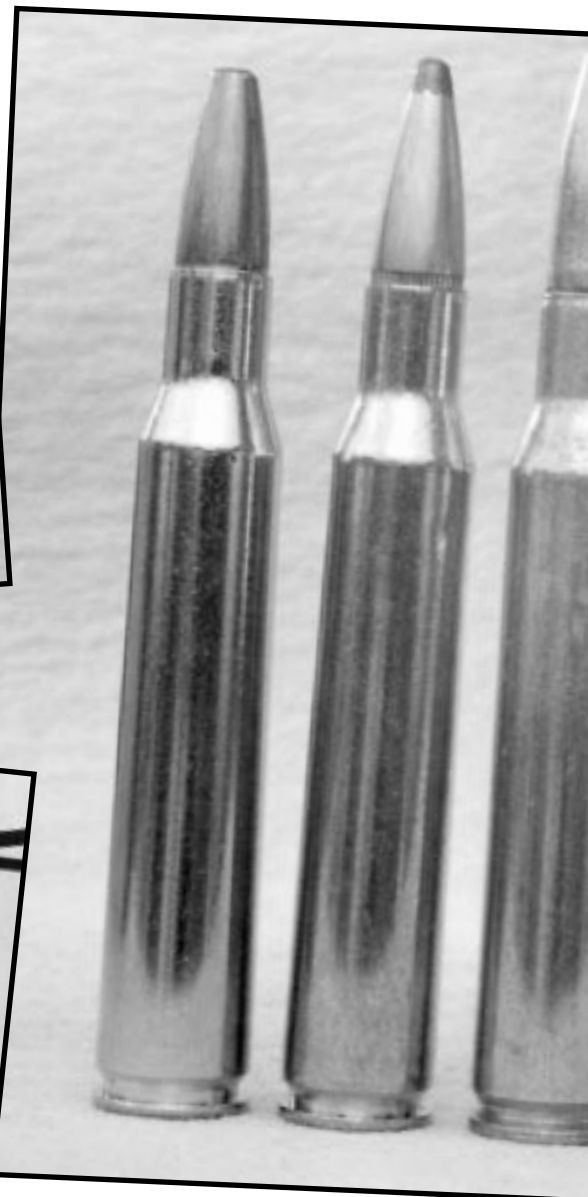
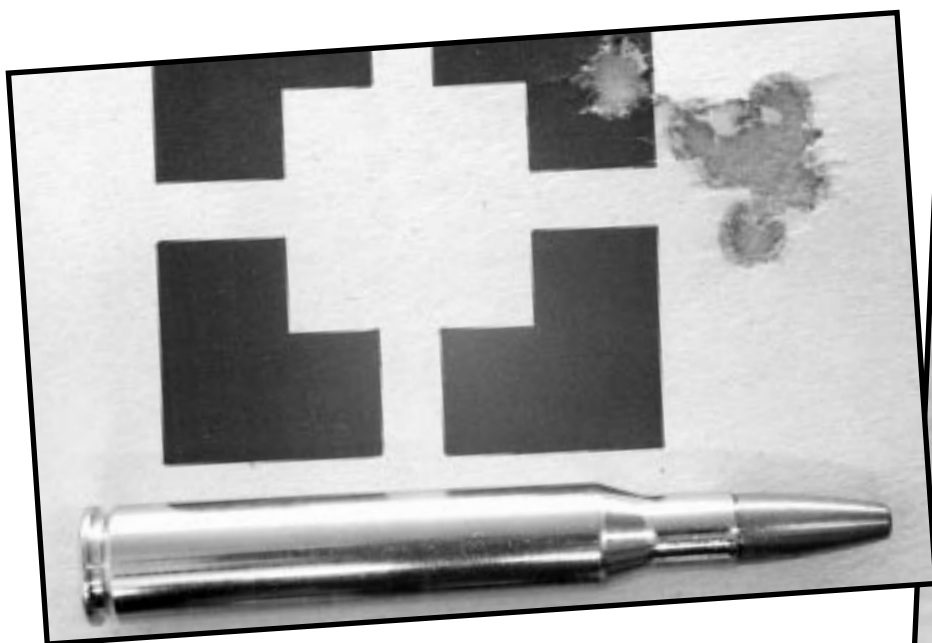
Nitrocellulose, or “guncotton” as it was once known, was produced by impregnating cotton fibers or wood pulp with

continued on page 58



FACTORY AMMO/CUSTOM

*Think you have to be a **handloader** to wring out of your rifle? Think again. Here are the achieve tackdriving performance with off-*



TOM ACCURACY

match-grade accuracy out tricks the experts use to the-shelf ammo.



Clockwise from top left: A few trips to the range and some intelligently evaluated data can produce this kind of hand-load-quality accuracy with off-the-shelf ammo. Most popular hunting calibers are offered by several manufacturers in similar bullet styles and weights. It would be a miracle if any given .280 Rem. rifle shot equally well with, from left, a Federal 140 gr. Trophy Bonded, a Federal 150 gr. Classic, a Remington 150 gr. Core-Lokt, a Winchester 160 gr. Fail Safe, and a Remington 165 gr. Extended Range. Selecting your ammo based on nothing but brand preference can produce this kind of result. This sort of 100-yard accuracy is common but, by finding a factory load that works well in the specific rifle, shooters can usually do much better.

By M.L. McPherson

Accuracy fanatics know that observing the shooting practices of “occasional shooters” — as happens each year at “hunter sight-in days” at myriad ranges around the country — is an eye-opening experience. It is common to see these shooters, who may fire only a handful of cartridges each year, demonstrating the belief that ammunition choice has no accuracy or point-of-impact consequences.

Consider this case as an example. One hunter recently arrived at the range with his scoped, bolt-action .30-'06. Randomly grabbing cartridges from a large plastic bag, he proceeded to load and fire two five-shot groups at 100 yards. After finishing the second group, he was perplexed and asked for advice from some of the more experienced shooters at the range.

He had previously cleaned the bore (on someone's good advice) but the gun still would not shoot with acceptable accuracy. Then he bought an expensive 4-12x scope (someone suggested that might help him aim better). He carefully rested the rifle over sandbags (someone had explained that the gun should be properly supported during bench testing). Nevertheless, his rifle kept on shooting 5" 100-yard groups. At that point,

continued on page 73

Five Tips For Better Accuracy With Factory Loads

- Practice your technique and know your capabilities. Don't expect MOA performance out of your ammo if you need more experience to achieve that level of performance.
- Clean your bore before starting. Few guns perform well when they need cleaning.
- Use a bigger scope. When evaluating your gun's accuracy, switch to a high-power target scope that you know will reliably hold its zero.
- Foul before you fire. A clean gun may fire to a different point-of-impact after a few rounds. Put three or four rounds “into the berm” before you commence accuracy testing.
- Consistency is everything. Once you begin testing, don't change bullet weight, ammo brands or sandbag placement. All of these can have a significant impact on your point-of-impact.

HUNTING

With The .30-30 Today

Advances in bullet design and loading technique have kept this grand old cartridge on the forefront of ballistic performance.

SUPER ACCURATE .30-30 HANDLOADS

Cooking up handloads for the .30-30 is easy, economical and interesting. Here are a few of Holt's favorite, accurate handloads assembled in Winchester brass with Winchester large rifle primers:

BULLET	POWDER	VELOCITY
Hornady 93 gr. RNSP	35.0 grs. RL-7	3,095 fps
Sierra 125 gr. HPFN	30.0 grs. RL-7	2,550 fps
Speer 130 gr. FNSP	35.0 grs. AA 2520	2,530 fps
Sierra 150 gr. FNSP	28.0 grs. RL-7	2,350 fps
Sierra 170 gr. FNSP	34.0 grs. RL-15	2,352 fps
Laser-Cast 173 gr. FNGC	19.0 grs. IMR 4227	1,872 fps

All handloads assembled using Winchester brass and large rifle primers. The 93 gr. Hornady Luger bullet is available only from the Old Western Scrounger. The 173 gr. gas-checked lead bullet is available directly from Laser-Cast.

BALLISTIC DATA

.30-30 FACTORY LOADS

LOAD	VELOCITY
Remington 55 gr. Accelerator	3,495 fps
Winchester 150 gr. Power-Point	2,405 fps
PMC 150 gr. Starfire	2,308 fps
Federal 170 gr. Nosler Partition	2,175 fps



By Holt Bodinson

After kicking around for 106 years, the Winchester .30-30 should be clawing for life in the face of ballistic advances throughout the ensuing decades. Yet, this historic big-game cartridge continues to breeze along, placing among the top five best-selling centerfire rifle cartridges year after year after year. Perhaps this venerable old cartridge deserves a second — or even third — look.

Introduced in 1895 in the Model 94 Winchester rifle, the .30 Winchester Center Fire was America's first smokeless-powder sporting cartridge. Loaded with a 160 gr. bullet at 1,970 fps and chambered in a rifle that had the slim lines of a Model 92 Winchester, the .30 WCF virtually buried the big-bore, blackpowder cartridges and the ponderous rifles chambered for them.

Chambered in Winchesters, Marlins, Savages, and dozens of other domestic and foreign brands — literally millions of firearms — the .30-30 emerged as the supreme "deer" chambering. In this, the era of super magnums, the little .30-30 still has a lot to offer savvy shooters.

First and foremost, it is a balanced cartridge. It has been around so long that the soft point bullets loaded by the factories are highly refined. They expand well and hold together perfectly at .30-30 velocities. If you've ever wanted to see a picture-perfect mushroomed soft point, just recover a .30-30 bullet from any big game animal. Moreover, the excellent factory ammunition is cheap.

It's an accurate cartridge. Maybe lever action designs don't deliver the best a cartridge has to offer, but we've owned many .30-30 rifles and carbines that would easily do 2" at 100 yards with factory ammunition — some even better. When chambered in bolt actions like the Winchester 54, Savage 340 and Remington 788 or in single shots like the Browning 1885, Savage 219 and 24 or the current T/C Contenders, the handloaded .30-30 can deliver sub-MOA groups.

Factory ammo for the .30-30 is available in a variety of loads ranging from 55 gr. .224 sabots to 170 gr. big game bullets.



The .30-30 gained its reputation as a deer-hunting cartridge, and it's just as effective today as it was 106 years ago.

Inset: Whoa! Loading spitzer bullets in a .30-30? Actually, as long as you make sure you only have one round in the magazine, you can take advantage of these ballistically superior projectiles.

The .30-30 is an effective 200-yard, light big-game cartridge when used in a scope-sighted rifle. It's an often-repeated fact, but more big game is shot under 200 yards than over. We've known the .30-30 to perform well on deer, black bear, antelope, elk and moose, and you can't ask for much more than that from any cartridge.

What More Could Anyone Ask?

The .30-30 is very mild in the recoil department when chambered in light and handy firearms. In fact, the modest recoil dished out by the .30-30 is one of its most endearing qualities. We would place the .30-30 at the head of the list as an ideal big-game caliber for many women and youths or other shooters who are recoil sensitive and who find a 6½ lb. rifle just about all they want to carry afield.

It's a handloader's dream. Headspace is fixed by the case's rim, so the .30-30 doesn't require any critical resizing die adjustments. The long, forgiving neck just seems to align any bullet — cast or jacketed — a bit better than modern stubby-neck designs.

Its modest case capacity of around 30 grs. of powder provides high loading densities when loaded to the max, and yet not excessive air space when stoked with mild,

reduced loads. Often overlooked is the fact that inexpensive 170 gr. gas-checked cast bullets can be driven as fast in the .30-30 as jacketed bullets of the same weight — both around 2,150 fps.

If you don't handload, the factories offer every conceivable loading from Remington's 55 gr., .224 sabot Accelerator revving up at 3,400 fps to Federal's 170 gr. Nosler Partition at 2,200 fps. The most popular loadings are the 150 gr. offerings. Every manufacturer offers one or two, and the hotshot of the group is Winchester's new 150 gr. Power-Point Plus at 2,480 fps.

No, this is not your grandpappy's .30-30 pushing a 160 gr. soft point at 1,970 fps. When zeroed at 100 yards, the new Winchester load is down only 3.5" at 200 yards. Then there's PMC's wicked-looking 150 gr. monolithic Starfire with a hollowpoint cavity so large it actually encircles the primer ahead of it in a tubular magazine.

The Unconventional .30-30

While factory loads are tailored for safe loading in tubular magazines and feature round or flat nose soft points or cavernous hollowpoints, spitzer bullets can be

continued on page 72



SPEC SHEET

GAMO STUTZEN

Manufacturer: Industrias El Gamo, S.A.

Caliber: .177 lead pellet only

Power Plant: Spring-piston, underlever cocking

Length Overall: 40"

Weight: 7 lbs.

Barrel: 13" rifled steel

Sights: Fully adj. rear; fixed blade front

Trigger: Two-stage, adjustable

Safeties: Manual trigger-block;
automatic anti-beartrap

Stock: Mannlicher-style
walnut-stained hardwood

Suggested Retail Price: \$350

GAMO HUNTER 1250

Manufacturer: Industrias El Gamo,
S.A. Barcelona, Spain

Caliber: .177, lead pellet only

Power Plant: Spring-piston, barrel cocking

Length Overall: 48"

Weight: 8 lbs., 6 ozs.

Barrel: 17" rifled steel

Sights: Fully adj. rear; fixed post front

Trigger: Two-stage, adjustable

Safeties: Manual, trigger-block

Stock: Walnut-stained beech

Suggested Retail Price: \$400

Gamo

Air Rifles:

Stutzen & Hunter 1250

Capable of generating awesome velocities and outstanding accuracy, these magnum-class airguns are second to none in the realm of pure power.

By J. I. Galan

Gamo airguns have a well-deserved reputation for superior quality and respectable performance at affordable prices. That hard-won fame is quite apparent in two of their top-selling models, the Stutzen and the Hunter 1250. Both models are fine examples of magnum-class air rifles in every respect.

A Hunter's Airgun

Introduced approximately one year ago, the Gamo Stutzen has the compact, elegant and trim lines of the classic Mannlicher-style European centerfire hunting rifle. With an overall length of 40" and tipping the scales at a comfortable 7 lbs., the Stutzen is handy enough for use by most adults, as well as many younger shooters ready to move up to a hard-hitting, adult-class pellet rifle. Employing an underlever-cocking, spring-piston power plant, this air rifle can generate a muzzle velocity of approximately 920 fps in .177 caliber.

The relatively short cocking lever of the Stutzen is neatly concealed in the forward part of the sleek full-length stock and incorporates a spring-loaded release button. As expected in such a potent "springer," the cocking effort is a bit on the rough side, but is still manageable by most shooters.

Cocking this rifle automatically forces the pellet loading chamber to pop out from its seat in the forward part of the action, just behind the rear sight. Upon manually loading a .177 pellet, the chamber has to be pushed in prior to firing.

The Stutzen sports a finely rifled 13" steel barrel. The beautiful Mannlicher-style stock is made of walnut-stained hardwood with a Monte

continued on page 62



Opposite: Oof! Cocking the powerful Hunter 1250 requires 58 lbs. of pressure, making this magnum-class air rifle one of the most potent "springers" on the market. Below: Although the underlever cocking system of the Stutzen is a bit stiff, it is still quite manageable by most adults.



ULTRA-T



A close-up photograph of a Remington 870 shotgun barrel. The barrel is dark grey or black, with a textured grip section. A modern, black, cylindrical attachment, possibly a laser sight or a port, is mounted on the side of the barrel. The background is a blurred, rusty metal surface.

TECH 870

Combat shotguns are more sophisticated than ever, customized with computer-designed ports, laser-sighted, infrared-equipped and tuned for total reliability. Say hello to the next generation of Remington's classic 12 ga. pump.

*By Cameron Hopkins
Photos By Ichiro Nagata*

Combining the latest, most sophisticated technology available for combat weaponry in 2001 on an "old fashioned" Remington pump shotgun may seem like putting a turbocharger on a Model T, but the tried-and-true Model 870 is so fundamentally sound that it easily adapts to these ultra-modern enhancements.

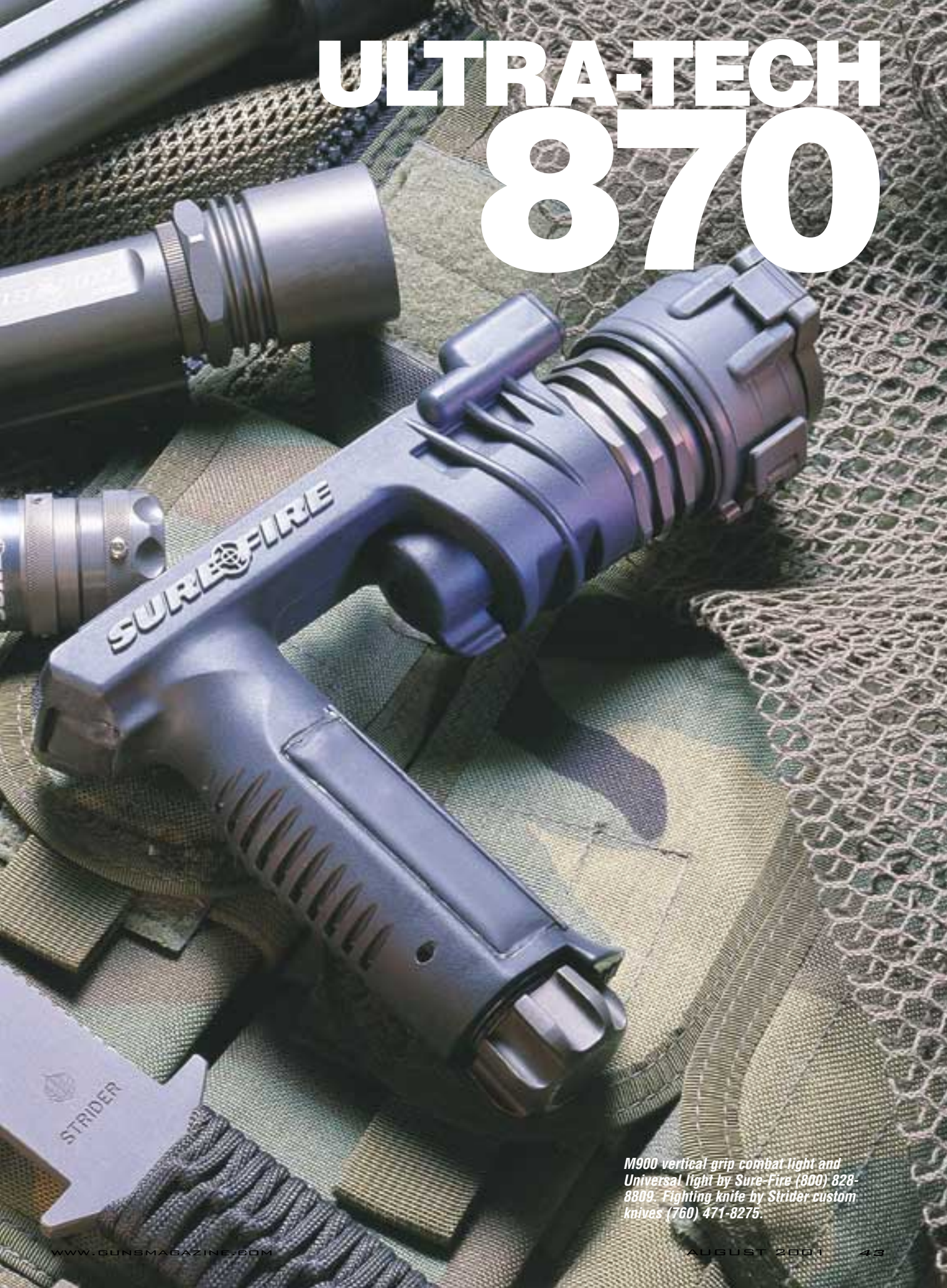
Having proved itself in combat in Vietnam with the Marines, the Remington 870 in "riot gun" guise is the quintessential social shotgun. Carried in countless police cruisers and leaned against innumerable bedroom nightstands, the 870 is the best-selling pump shotgun of all time. Remington had sold over 8 million 870s as of the end of 2000. That's an awful lot of life insurance for one gun company to sell.

SCATTERGUN TECHNOLOGIES
BERRYVILLE, AR TR-870

GUNS

MAGAZINE

ULTRA-TECH 870



M900 vertical grip combat light and
Universal light by Sure-Fire (800) 828-
8809. Fighting knife by Strider custom
knives (760) 471-8275.



The use of scatterguns as fighting weapons — remember, the Second Amendment ain't about duck hunting — dates to the trenches of World War I when American doughboys found the devastating power of a magazine tube full of 00 buck to be a great “sweeper” for cleaning out a Jerry position. The German military officially protested the use of shotguns as “barbaric.”

The 97s used in World War I were modified from their sporting configurations with ventilated handguards and fitted with bayonet lugs. In Vietnam, Remington 870s were outfitted with extended magazines, again to enhance their combat effectiveness.


Remington's police version of the 870 comes with a three-shot magazine extension, special sights and optional Davis “speed feed” magazines for fast reloads. The principle here is clear — it makes sense to modify the slide-

action for increased capability in a fighting role.

From the side-by-side Greeners of the frontier gun-fighters to the leathernecks in the trenches of Flanders to the “men with green faces” in Vietnam, the combat shotgun is a proven performer. To show just how far the combat scattergun has progressed, we set about designing the ultimate fighting pump gun.

Sure-Fire's M900 vertical grip is attached to the same company's Picatinny forend, augmented with a high intensity green laser. Below, the differing intensities of the twin Sure-Fires can be seen. With the red filter in place (far left) the light is more subdued than with the dazzling brilliance of the full white-light from the adjacent Millennium Universal light on the gun's right side. Both lights could be on white for maximum blinding effect.





Combining the talents of three of the top companies at customizing fighting firearms, our “ultra-tech” 870 is a demonstration of just what is possible with today’s technology to enhance a basic pump gun. Some of the modifications are rudimentary — slicking up the action bars for a smoother slide — and some are quite sophisticated, like the M900 vertical grip lighting and laser module.

Let’s catalog the modifications that are possible on an 870 and explain why they are desirable.

Basic Building Block

We began with a Remington Express Synthetic HD version of the 870. The HD stands for “home defense,” and this is essentially the same as their police model, your basic, garden-variety “riot gun.” It comes with an 18", cylinder-bored barrel, a plain gold-bead sight and a standard four-shell magazine. This is a plain vanilla shotgun, more than

continued on page 54



Note the unique configuration of Briley’s porting system in the barrel.



GUNS

MAGAZINE

Website Showcase

A.G. Russell Knives

www.agrussell.com



Airgun Express

www.airgunexpress.com



Alfonso's of Hollywood

www.alfonsosgunleather.com



Al Mar Knives

www.almarknives.com



American Handgunner

www.americanhandgunner.com



AO Sight Systems

www.aosights.com



ArmaLite Inc.

www.armalite.com



Auto-Ordnance

www.tommygun.com



Bagmaster

www.bagmaster.com



Belt Mountain Enterprises

www.beltmountain.com



Bianchi International

www.bianchi-intl.com



Black Hills Ammunition

www.black-hills.com



Break-Free

www.break-free.com



Burriss Co.

www.burrisoptics.com



Collector's Armoury

www.collectorsarmoury.com



Compassco Inc.

www.compassco.com



Corbin Mfg. & Supply

www.corbins.com



Charles Daly

www.charlesdaly.com



Davidson's

www.galleryofguns.com



Delta Z Knives

www.deltaz-knives.com



DeSantis Holsters

www.desantisholster.com



D.P.M.S. Inc.

www.dpmsinc.com



Dynamit Nobel

www.dnrws.com



Eagle Grips

www.eaglegrip.com



Emerson Knives

www.emersonknives.com



Galco International

www.usgalco.com



Gould & Goodrich

www.gouldusa.com



GunBroker.com Online Gun Auction

www.gunbroker.com



Gun Parts Corp.

www.gunpartscorp.com



GUNS Magazine

www.gunsmagazine.com



Heckler & Koch

www.hecklerkoch-usa.com



Heinie Specialty Products

www.heinie.com



Hogue Grips

www.getgrip.com



Holsters.com

www.holsters.com

Holsters.com
Order 24 Hours a Day
Using Our Online
Catalog

Home Products Clothing Accessories
Concealed Carry Concealed Carry Holsters Concealed Carry Holsters Concealed Carry Holsters

Locate a Holster Using
Quick Search
Click here to start your search

IMR Smokeless Powder

www.imrpowder.com

IMR
SMOKELESS POWDER

By the IMR of your choice you can choose from 100's of IMR products. IMR has been the leading name in the smokeless powder industry since 1910. IMR is a company that has been producing high quality smokeless powder for over 90 years. IMR is a company that has been producing high quality smokeless powder for over 90 years. IMR is a company that has been producing high quality smokeless powder for over 90 years.

Kahles USA

www.kahlesoptik.com

KAHLES
Action Optical Precision. American Performance Value.
Next Time Aim A Little Higher.

Do You Know
American Made Binoculars &
Kahles Binoculars

For over 100 years Kahles has been known for the precision and quality of their products. For over 100 years, we have made it our goal to transfer all this knowledge into innovative and top quality optical instruments for you. Are you looking to step up in the quality of your optical products? Are you looking for quality performance eye treated and mounted at the highest level?

Kahr Arms

www.kahr.com

Kahr Arms
Kahr Arms

Katz Knives

www.katzknives.com

Katz Knives
Katz Knives

Kimber of America

www.kimberamerica.com

Kimber
Kimber of America

Lazzeroni Arms

www.lazzeroni.com

Lazzeroni Arms
Lazzeroni Arms

Mag-na-port International

www.magnaport.com

Mag-na-port International
Mag-na-port International

Magnum Research Inc.

www.magnumresearch.com

Magnum Research Inc.
Magnum Research Inc.

Meprolight

www.kimberamerica.com/mepro.htm

Meprolight
Meprolight

MidwayUSA

www.midwayusa.com

MidwayUSA
MidwayUSA

Millett

www.milletsights.com

Millett
Millett

Milt Sparks Leather

www.miltsparks.com



Miltech

www.miltecharms.com



North American Arms

www.naaminis.com



Old Western Scrounger

www.ows-ammunition.com



Pearce Grip

www.pearcegrip.com



Ransom International

www.ransomrest.com



Redding Reloading

www.redding-reloading.com



Chris Reeve Knives

www.chrisreeve.com



SKB Shotguns

www.skbshotguns.com



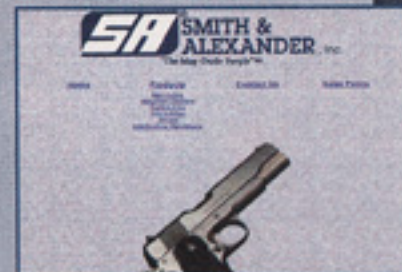
Smart Lock Technology

www.smartlock.com



Smith & Alexander

www.smithandalexander.com



Spyderco Inc.

www.spyderco.com



SSK Industries

www.sskindustries.com



Swarovski Optik

www.swarovskioptik.com



Talon Industries

www.talonindustries.com



Walker's Game Ear

www.walkersgameear.com



Wilson Combat

www.wilsoncombat.com



WOLF Performance Ammunition

www.wolfammo.com



SECRETS OF A PROFESSIONAL SHOOTER

Secrets Of A Professional Shooter: Part 1

Join professional shooter, firearms instructor and law enforcement veteran Ron Avery in one of the most comprehensive studies of firearms training available today. In part one, Ron teaches: essential skills necessary for mastery of the handgun; how to control a handgun for high-speed precision shooting; training drills used by the pros to increase your shooting skills; The best kept secrets of shooting; training and mental conditioning; gunhandling and safety tips for you to mast the handgun and much more. VHS Only \$ 29.95

Secrets Of A Professional Shooter: Part 2

Join professional shooter Ron Avery for part two of his spectacular three part video series. Part Two includes Weaver and the Modern Isosceles shooting stances, and Sight Alignment by Feel Exercises (S.A.F.E.) training tips to reduce response time. World-class drawing skills and much more. VHS Only \$29.95

Secrets Of A Professional Shooter: Part 3

In part three of professional shooter Ron Avery's video, Ron covers; Tactical reloading skills, strong hand and support hand shooting; close Quarter shooting, position shooting, rifle Kneeling, shooting on the move and multiple targets. VHS Only \$29.95



Yes, I would like to add Secrets Of A Professional Shooter to my collection. Please send me the following videos.

Part 1: Qty _____ \$ 29.95 Part 2: Qty _____ \$29.95 Part 3: Qty _____ \$29.95

Save When You Buy All Three Videos: Only \$79.95 Qty _____

☐ Check/MO ☐ VISA/MC/Discover Card# _____ Exp. Date _____ Initial _____

Name _____ Address _____

City _____ State _____ Zip _____

Please add \$6 surface shipping in U.S. Outside the U.S. add \$16 surface shipping. Fax for airmail quote. Payment must be in U.S. dollars, drawn from a U.S. bank, or on credit cards above. Make checks/MO payable to Publishers Development Corp. CA residents add 7.5% sales tax to total. Allow 3-6 weeks for delivery.

Mail to: Books Dept. HB8-GV210, 591 Camino de la Reina, Suite 200 • San Diego, CA 92108 1-800-628-9818 Fax 619-297-5353

TACTICAL GEAR HEADQUARTERS

Announcing

NEW Wilson Combat®

Tactical gear for 2001. Famous for innovative, **QUALITY** custom handguns for over 23 years, Wilson Combat® is proud to announce the availability of their **NEW** tactical rifles, and shotguns.



The CQB (Close Quarters Battle) Pistol is the choice of tactical shooting professionals. It includes our Tactical Combat sighting system and numerous other outstanding features. Starting at \$1,650. it's the pistol for you!



The custom built Urban Tactical Carbine features a flat top receiver, crisp 3.2# trigger pull, muzzle brake and a fluted Wilson Combat® match barrel guaranteed to shoot 1 MOA. Starting at \$1599. it's not the cheapest, just the best!



ScattergunTechnologies™ Standard Model is what a tactical shotgun should be, with patented Trak-Lock tritium ghost ring sights, expanded magazine capacity and flawless handling. Starting at only \$895. it's a real Tactical Response/Self-Defense bargain!



The KZ-45 Tactical Carry Pistol features a polymer frame, external extractor, tritium night sights, light weight and 11rd capacity. Starting at \$995. it's also the lowest priced Wilson pistol ever offered!



The M-4T Tactical Carbine is quite possible the ultimate CQB (Close Quarters Battle) weapon. Ideal for Law Enforcement Tactical Response Entry Teams as well as home defense...Starting at \$1575.



The Border Patrol is a Workhorse! Selected and used by the U.S. Border Patrol with thousands in daily service. The Border Patrol features the proven pump action with a 14" or 18" cylinder bore barrel. Starting at \$675.

Wilson Combat®/ScattergunTechnologies™ • 2234 CR 719-148 • Berryville, AR 72616-4573
1-800-955-4856 • info@wilsoncombat.com • www.wilsoncombat.com

ULTRA-TECH 870

continued from page 46

adequate as it comes from the box for self-defense purposes, and very affordable.

We sent the HD to Scattergun Technologies, a division of Bill Wilson's ever-expanding custom gunsmithing operation at Wilson Combat, for upgrading with Wilson's best-selling "Border Patrol Package." This set of modifications and improvements is identical to what the U.S. Border Patrol orders from Scattergun Technologies.

The Border Patrol Package includes Wilson's adjustable "Trak-Lock" ghost ring rear sight mated to a high-visibility, ramp front sight with a tritium insert. The ghost ring rear sight is hands-down the best sighting system for a combat shotgun because it allows the precise placement of slugs and tight-patterned buckshot at close range. The "ghost" refers to the large aperture which fuzzes out, or ghosts, when you focus on the front sight.

With its adjustable base, the "Trak-Lock" sight can be moved for both windage and elevation, making it possible to zero for slugs at your desired range. We set ours for point-of-aim at 50 yards, which means we can hold at the upper chest and still drop 1 oz. chunks of spiraled lead into the K-zone at 100 yards. That setting is good for making head shots at 25 yards too.

The front sight contains a tritium dot — a self-illuminated aiming point. A tactical shotgun should always have a tritium front sight.

As a quick aside, we are aware that shotguns for aerial targets should be "pointed" instead of "aimed," but the entire dynamic changes when confronting land-based targets. The shot pattern of 00 buck is much smaller than a typical hail of No. 8 shot at 40 yards. A 00 buck "group" at 15 yards is only about 6" in diameter, meaning you better *aim* and not point. The importance of aiming with slugs should be obvious. The ghost ring sight setup has evolved as the best way to aim a combat shotgun.

The Scattergun 870 also includes a magazine extension, upping the payload to seven rounds. The BP package also includes an extra power, heavy duty stainless mag spring and a non-binding follower. We opted for a four-round "Side Saddle" spare shell carrier which bolts to the port side of the receiver, which is an optional addition to the Border Patrol package. Wilson also offers a six-round Side Saddle, but we prefer the four-round for reasons of weight and balance.

We stoke slugs in the Side Saddle, keeping 7+1 rounds of 00 buck in the gun. If we need a slug for tactical reasons, we can either single-load from the Side Saddle, or shove a couple into the magazine, if there's room.

Wilson adds a highly practical jumbo-head safety button, which greatly reduces the "fumble factor" of disengaging the safety in a crisis. There is also a multi-purpose tactical sling included with a buttstock swivel and a rigid magazine-tube sling mount.

When You Only Have One Shot, Make It Count.

Reduce Recoil • Reduce Muzzle Jump
EDM Porting • Muzzle Brakes

Mag-na-port offers shooters two options to reduce recoil and muzzle jump. After almost 30 years, the Mag-na-port process remains #1 in EDM porting using integral vents to reduce recoil and muzzle jump without added length or substantial increase in noise. For shooters using a large or magnum caliber, the Mag-na-brake will provide maximum recoil reduction. This muzzle brake is engineered for your rifle caliber adding only 1 1/2" in length with a contour in line with the firearm appearance. A superior process is assured regardless of choice Mag-na-port or Mag-na-brake.

Mag-na-port
International, Inc.

41302 Executive Drive • Harrison Twp., NJ 08041-1306 • Phone: (810) 469-6727
Fax: (810) 469-0425 • Internet: www.mag-na-port.com • Email: info@mag-na-port.com

To ensure total reliability — a hallmark of Wilson-tuned firearms — the gunsmiths hone the slide action bars and ensure they are straight and parallel. The bolt is checked for smooth operation and the ejector and extractor are inspected for correct fit and function. There is not an awful lot that can go wrong with an 870, which is why it is the favored police shotgun of all time, but Wilson's skilled technicians make double-certain everything checks out.

The 870 is then finished in Wilson's "Armor Tuff" coating. This is a highly resistant finish, enduring scuffs and humidity alike without marring or corroding. The ultra-tech 870 is Armor Tuffed in olive drab green, but black is also available.

This completes the Border Patrol package, representing what we consider one of the best bargains in the custom gun world at \$675 — including a brand new 870 as the base gun! (The four-round Side Saddle is optional and costs \$30 more.)

Briley Upgrading

The Border Patrol package makes for a rugged, reliable combat shotgun, but we sent the 870 on to the famed house of Briley, specialists in thin-wall, high-performance chokes. In addition to fitting Berettas, Krieghoffs, Perazzis and other top-drawer shotguns with their superbly crafted choke tubes, Briley also offers some special enhancements that are appropriate for duty shotguns.

The performance of any shotgun can be improved by reducing its kick, and Briley is a leader in recoil-reduction technology. Their porting system, known as Ultra Ports, is particularly effective because the ports are scientifically designed to maximize the redirection of propellant gas to reduce muzzle jump.

Briley's Ultra Ports are EDM-machined into the top of the barrel in a precise configuration of rows. Curiously, they look like little commas. Briley calls them "tear drop" shapes. The ports are as high on the barrel as possible, to vent gas up rather than sideways.

Additionally, Briley back-bored the 870 barrel and lengthened the forcing cone, two modifications that are popular on sporting clays guns to reduce felt recoil. Back-boring is a honing process in which approximately 0.01" is taken out of the barrel, increasing its diameter for the length of the barrel. According to Briley's Claudio Salassa, this serves to reduce pressure in the barrel, thus reducing felt recoil. Typically, a 12 ga. bore is increased from .730" to .740" with Briley's back-boring.

Lengthening the forcing cone is similar to throating the leade in a pistol barrel, Salassa said, serving to smooth the transition of the shot column into the barrel. This reduces the peak pressure that occurs when the shot column slams into the forcing cone by "easing" the shot into the barrel in a more gradual transition. Again, the effect is to lessen the gun's kick.

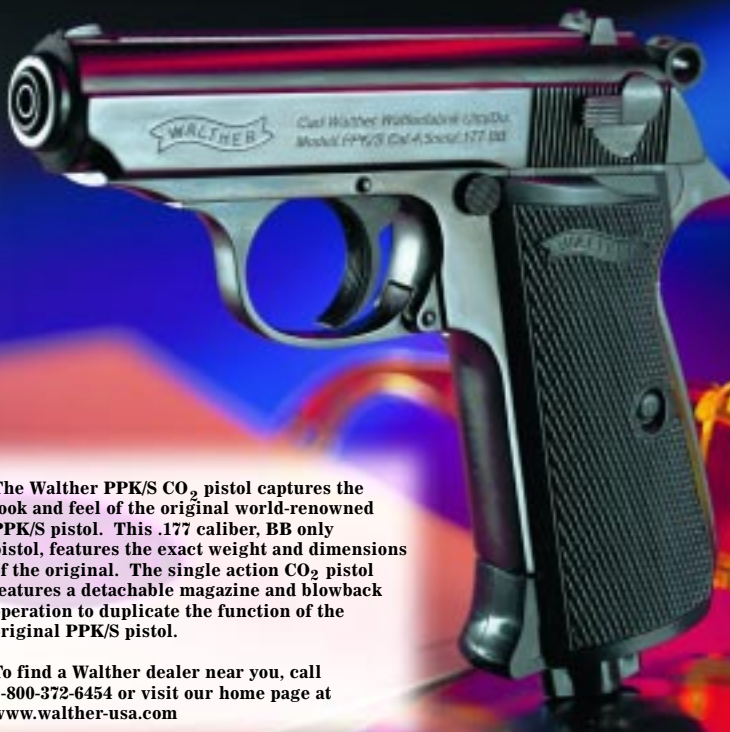
Taken together, the porting, back-boring and lengthening of the forcing cone reduce

PPK/S - CO₂

WALTHER

USA

GERMAN INNOVATION SINCE 1886



The Walther PPK/S CO₂ pistol captures the look and feel of the original world-renowned PPK/S pistol. This .177 caliber, BB only pistol, features the exact weight and dimensions of the original. The single action CO₂ pistol features a detachable magazine and blowback operation to duplicate the function of the original PPK/S pistol.

To find a Walther dealer near you, call 1-800-372-6454 or visit our home page at www.walther-usa.com

Automatic Blow Back Action



Walther USA * 2100 Roosevelt Avenue * Springfield, MA 01104
Tel: 800-372-6454 * Fax: 413-747-3682 * www.walther-usa.com

The Century 2000 Defender is the ultimate in self-defense.

With the 3-1/2" barrel the C2K will chamber the 3" .410 00 Buck Shot with five pellets.

The C2K Defender has a 3-1/2" double barrel, rebounding hammer, retracting firing pins, crossbolt safety, cammed locking lever, spring-loaded extractor and interchangeable barrels.

For further information, contact Bond Arms



THE FINEST IN DOUBLE BARREL PROTECTION

BOND ARMS, INC.

P.O. Box 1296 • Granbury, Texas 76048 • Ph: (817) 573-4445 • Fax: (817) 573-5636
www.bondarms.com

"ONLY YOU WILL KNOW"™

The Ultimate in Comfort, Concealment and Versatility



Fits like a 2nd Skin



LCS II IN RH & LH FBI FORWARD TILT POSITION



LCSB (LG.) WITH S&W .44 MAG.

LAW
CONCEALMENT
SYSTEMS, INC.
P.O. BOX 861 DEPT. AH-S
Issaquah, WA 98027
Credit Card Orders (800) 373-0116
www.handgunconcealment.com

The **LCSII** ultra-concealment holster was "Born Out Of A Need" in 1981 for the law enforcement officer, as a comfortable, reliable and virtually undetectable in the pants holster for under-cover or backup weapons. The **LCSII** is 100 percent handcrafted from top-grade leather and the same holster accommodates all popular revolvers with up to 4" barrels and automatics with up to five-inch barrels including S&W .44 MAG. and other revolvers, SIG/SAUER, Colt, S&W, Ruger, Glock 17 & 19, Browning HP, Beretta, Taurus, HK, and Walther 9mm and .45 autos. Also Walther P-38 and P-88, Glock, S&W and Colt .45 & 10mm, and many more.

The versatility of design allows the wearer to position the **LCSII** for right or left hand, straight draw or FBI style forward tilt or cross draw and still have a smooth, fast draw. The **LCSII** is priced at \$54.95 plus \$4.95 for shipping and handling.

The **LCSB** is identical to the traditional leather **LCSII** except it is crafted from black waterproof ballistic nylon and lined with luxurious black waterproof doeskin suede and edge bound for durability, comfort and lasting good looks. And at only \$47.95, plus \$4.95 shipping and handling.

A matching dual magazine pouch for the **LCSII** is \$54.95 and the **LCSB** is \$47.95; (mag pouch also can accommodate a small back-up weapon, like the S&W Model 36 or a .380 auto or the Sigma .380 or New Glock 26 or 27). Dealer Inquiries Invited.

Catalog \$3.00

REMEMBER — "Have The LAW On Your Side"™
Call for more info: (425) 391-4931 Fax: (425) 451-3959

The Largest Source in the World for New & Obsolete Firearms Parts & Accessories

Suppliers of Fine Products & Parts from • Colt • Mossberg
• Marlin • S&W • Remington • Winchester
H&R • Savage/Stevens • U.S. Military
and many other manufacturers

Order From Our Full Listing of Gun Parts and Accessories at

e-GunParts.com

or Order Catalog #23

featuring 180,000 individual items from our inventory.

Catalog #23 contains 1152 pages with over 400 schematic drawings and our store brand firearms cross-reference list. The only source you'll ever need for current, obsolete, military parts, gunsmith supplies, military surplus and shooting accessories. **ITEM#PJ-23 \$12.95**

U.S. Orders: (Bulk Mail) Shipping charges included.

Foreign Orders: Air Mail- 30 day delivery or surface-90 day delivery. Shipping charges additional.

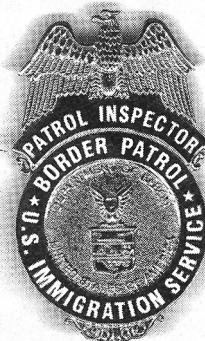


226 Williams Lane P.O. Box 299 • W. Hurley, NY 12491 • 845-679-2417

Toll-Free Fax 877- GUNPART • E-mail: info@gunpartscorp.com • e-GunParts.com

FUN & FROLIC ON THE BORDER

The real action in the Roaring 20's wasn't in the Big Apple or Hollywood, it was on the borders between the USA and Canada and Mexico. In 1924 the Dept. of Labor created the Border Patrol. It recruited daring young guys who could ride hard and shoot straight. If you could speak a little Espanol or didn't mind icicles hanging off the brim of your campaign hat, all the better. There were just two duty assignments, either you went south to fight illegal immigration or north to battle the flow of bootleg whiskey. Now you can own an exact replica of the Patrol Inspector's badge, crafted from polished nickel and accented with blue enamel lettering. Only \$34.95 plus \$4 postage and insurance. Calif. residents add sales tax.



THE L.L. BAIRD COMPANY, Dept G801,
1270 West Markham, Perris, CA 92571

Order by phone 909-943-4180 • Fax 909-973-8491

24 Hour Hotline
909-943-6769

Visit us at www.bairdco.com

recoil by 20 to 30 percent, according to Salassa. We found the Briley-tuned 870 to kick noticeably less than a stock 870 with the same barrel length, but we would be hard pressed to quantify the difference. Between 20 and 30 percent seemed about right to our shoulder.

The cost of Briley's modifications are \$95 for the Ultra Ports, \$150 for back-boring (it's a rather lengthy — if you'll forgive the pun — process) and \$55 for the forcing cone work.

Briley also fit a set of their flush-mounted, thin-wall chokes for which Jess Briley's namesake company is so justly famous. We ordered cylinder bore, improved and modified, a standard set of three chokes that Briley sells in the their "Three Choke Package" for \$139, including installation.

Lights & Lasers

Weapon-mounted lights multiply the effectiveness of a combat arm by a quantum leap. It's not an exaggeration to say that a brilliant, searing white light is *more* effective in neutralizing an opponent in a CQB environment than the actual firepower of the weapon. Hitting an adversary with a sharply focused beam of white light right in the eyes actually blinds the enemy temporarily.

Sure-Fire, a California company specializing in tactical lights for police and military, manufacturers an impressive array of combative lights. We mounted a Sure-Fire vertical grip M900 combat light on the 870, attached to a Picatinny rail forend also manufactured by Sure-Fire.

The M900 houses a powerful Millennium combat light capable of putting out 225 lumens of blinding light. The Xenon bulb in its metallic-coated lamp assembly is powered by three lithium batteries with a 10-year shelf life. A conventional police flashlight with eight D-cells is less powerful than the flashbulb-like intensity of the Sure-Fire M900.

The vertical grip on the M900 contains a pressure switch for ambidextrous operation of the light, providing a momentary on-off capability that is the single most important key in a tactical light. Additionally, there are two LED "navigation lights" with very limited output for picking one's way through darkened hallways without using the main battle light, which would ruin your dark-adjusted night vision. The M900 also has a constant-on switch for the white light.

While an M900 is more than adequate by itself — in fact most SWAT members and Special Forces operators would use nothing but an M900 — we upgraded the combative lighting potential of the ultra-tech 870 with an additional Sure-Fire light. We hasten to add that we gilded the lily, for there is no "need" for a second light, but we wanted to demonstrate the *potential* of today's fighting scattergun, not necessarily its most expeditious tactical form. In fact, with two lights and a laser, the forend is too heavy for rapid and sure handling.

Bearing in mind this was for "demonstration purposes only," we added Sure-Fire's Millennium Universal Light which consists

of a two-battery Centurion light with an integral Weaver-style mount to attach to the Picatinny rail forend. The tailcap of the light is a momentary on-off switch. The light is positioned on the Picatinny rail such that you operate it with your thumb.

We added a red filter to the M900 light and left the Universal Light as our white light source. The red filter reduces the level of light to that of a navigational tool. Sure-Fire also makes an infrared filter for use with a night vision device (NVD).

The highlight — no pun intended — of the assembly is Sure-Fire's green laser, an industry first. We mounted the green laser on the port side of the Picatinny rail, also operated by a momentary on-off tailcap.

Why green? Because a green laser operating at the same intensity as a red laser appears much brighter to the human eye. Operating at 35 nanometers, a green laser actually appears eight times brighter to the human eye than a red laser.

If that's true, why are all the lasers out there red? Because Sure-Fire pioneered a method of generating a green emission with a diode pumped solid state (DPSS) laser. This is not exactly proprietary technology, but no one else in the firearms industry is using it. To give you some idea of the cost involved, a typical red laser diode costs the manufacturer \$5. A DPSS green laser costs the manufacturer \$300.

Using a weapon-mounted laser is a viable tactical option for certain situations, such as shooting around a ballistic shield or firing from awkward positions. The laser can also be used as a deterrent, instantly "signaling" the bad guy that he is about two pounds of trigger pressure away from a one-way ticket across the River Styx.

Tuned for reliability, outfitted with ghost ring sights and an extended magazine, ported, back-bored and Briley choked, lasered and white-lighted, the ultra-tech 870 is a far cry from the mud-caked trench gun of Flanders. If the German high command thought those rusty Winchester 97s were "barbaric," we shudder to think what they would think of the ultra-tech 870.



FOR MORE INFORMATION
Scattergun Technologies
 2234 CR 719
 Berryville, AR 72616
 (800) 955-4856
www.wilsoncombat.com

Briley Manufacturing
 1230 Lumpkin Rd.
 Houston, TX 77043
 (800) 331-5718
www.briley.com

Sure-Fire
 18300 Mt. Baldy Circle
 Fountain Valley, CA 92708
 (800) 828-8809
www.surefire.com

VELOCITIES 1800+ FPS

Dick Casull has done it again...

THE NEW .38 CASULL

POWER • VELOCITY • ACCURACY



Custom 6" Casull 1911... Built to exacting tolerances



ORDER THE .38 CASULL NOW!

307.886.0200

PO Box 1629
 Afton, WY 83110
www.casullarms.com

NOTHING BEATS ORIGINALITY BETTER THAN INNOVATION

Clark Innovation

10/22 Magnum Rifle Pictured with optional Heritage Stock



There are "Meltdown"™ Deluxe Clark 50th Anniversary pistols still available, as shown above, for only \$3,795. Clark 10/22 Magnum Rifle complete gun starts at \$795 and at \$370 for conversion on customer rifle.

EXCITING PRODUCTS FOR 2001

AR-15 CARBON FIBER HANDGUARD....\$100.00

Ultra light-weight forearm dissipates heat, increases strength and durability.

1911 DROP-IN BARREL/COMPENSATOR KITS

in .45 acp or .400 Corbon for \$235.00 and .460 Rowland for \$275.00
 No fitting required to reduce recoil and increase accuracy.

RUGER 10/22 & MINI-14

LAMINATED WOOD STOCKS....\$145.00

Available in black or brown.

RUGER 10/22 TRIGGER KIT....\$65.00

Eliminates creep and reduces trigger pull to 2.75 to 3 lb.

Originality & Innovation

Clark comes up with both
 & has been doing it
 for 51 years!

CLARK
 CUSTOM GUNS, INC.

MEMBER AMERICAN PISTOLSMITH GUILD
 Dept. GM • 336 Shootout Ln. • Princeton, Louisiana 71067

1-318-949-9884 • Fax 1-318-949-9829 •

Toll Free Ordering: 888-458-4126

Shop Online <http://www.clarkcustomguns.com>



Millett

Precision Hunting Optics



Made To Hunt

Buck Gold

3-9 x 44

Buck Lightning
Eliminated
Reticle

3-9 x 44

Buck Silver
3-9 x 40

The Buck is a precision rifle scope made to hunt. The optics are extremely bright and clear, allowing the hunter to see deep into the shadows of early dawn and late dusk so your hunting day can start a little earlier and last a little longer.

The extra-wide field of view gives the shooter a much higher sense of confidence when viewing the target, especially when it's moving game in heavily-wooded areas or dense cover.

Performance Guaranteed!

If You Like
Our Mounts.
You'll Love
Our Scopes!



800 MILLETT • 714.842.5575
Complete Catalog & Info
millettights.com

GUNPOWDER

continued from page 33

nitric and sulfuric acid. The ensuing product was very unstable and difficult to work with, resulting in several headline-making accidents.

In 1884, it was discovered that the fibrous guncotton could be gelatinized by treating it with a mixture of alcohol and ether. The resulting product could be rolled into sheets, cut into squares and strips, and stabilized by adding up to 2 percent diphenylamine. This substance was named "Poudre B" by the French. It was the first successful "single-base" powder.

With great secrecy, the French exploited this breakthrough by designing the first smokeless, small bore, military cartridge, the 8mm Lebel, and a new rifle, the Model 1886 Lebel, to fire it. The French "Poudre B" truly revolutionized military small arms.

One of the intriguing qualities of nitrocellulose is that it is the basic material in many harmless, domestic products including celluloid plastic, early photographic film, rayon, fingernail polish and lacquer. Not that such items couldn't be converted to other uses. An old article in *National Geographic* describes tribesmen along the Indian border with Pakistan who were adept at producing gunpowder by dicing up nitrocellulose movie film.

In 1888, Alfred Nobel took smokeless powder production to a new plateau by using nitroglycerin to gelatinize nitrocellulose, thereby producing a new commercial smokeless powder named "Ballistite." The effect of the nitroglycerin was to increase the energy of the powder. Ballistite was the first commercially viable "double-base" powder and was produced in 1889 at the Nobel factory in Ardeer, Scotland.

In that same year, the British patented a combination of 58 percent nitroglycerin, 37 percent guncotton, and 5 percent vaseline. The resulting paste was squeezed through a die to form strings or cords, and the resulting product was named "Cordite."

So by 1890, the essential chemistry of modern smokeless powders was well established. We still work with single-based powders exemplified by the IMR series, and double-based powders common to the Alliant series and Winchester ball powders. Formed into cords, flakes, sticks, and balls, modified with stabilizers, surface treatment agents, flame reducing agents, de-fouling agents, and blended to produce a fairly consistent level of performance from lot to lot, canister-grade smokeless powder sold at your local gun shop is a chemical marvel and an exceptional value.

Inside The Handloader's World

Since 1890, three developments have occurred that are particularly relevant to handloaders.

The first was the invention of ball powder in 1933. This type of powder was created by dissolving nitrocellulose in ethyl acetate, and forming the round grains under water — much like the oil droplets formed when one shakes vegetable oil and vinegar to make salad dressing. Nitroglycerin is then impreg-

nated into the grain and a deterrent coating is added to control the burning rate. Ball powder is a "double base" powder.

Second was the global trade in canister-grade powders in which Hodgdon, for example, may be importing powder from Australia and Accurate Arms from the Czech Republic.

The third factor was the improved manufacturing techniques and quality control resulting in powder that is cleaner burning in sporting arms. We recently asked Dick Quesenberry, canister sales manager for Alliant Powder, how they "cleaned up" Red Dot and Unique. We expected to hear that they had modified the chemistry. Not so.

Quesenberry said, "The problem was particle residue. Particle residue is the result of powder flakes that did not completely burn because they were thicker than the average grain thickness of the powder. By improving the extrusion rate and cut rate, we can now assure that the majority of the flakes are the same thickness. We have also changed our quality standards to eliminate a major portion of our blending to attain a specific burn rate."

Snapping A Cap

So what happens when we "snap a cap" and ignite smokeless powder? There is a sudden and complete conversion of the powder into gases — carbon dioxide, carbon monoxide, water vapor, hydrogen and nitrogen — and heat. The heat generated raises the temperature of the confined gases causing them to exert tremendous pressure, thereby accelerating and expelling the bullet or shot pellets from the bore. Essentially, the chemical energy contained in the powder has been converted into thermal energy, a portion of which has been converted into mechanical energy.

The projectile in flight has kinetic energy that we typically express in terms of foot/pounds. At the end of this cycle, if we see a muzzle flash, it is hydrogen and carbon monoxide gas exiting the muzzle at high temperatures and igniting in the oxygen-rich atmosphere.

The Heart Of The Load

The ability of the manufacturers to provide us with powders with a specific and consistent burning rate is what makes handloading possible, otherwise we would not be able to control pressure or follow the excellent recipes provided in handloading manuals. Burning-rate charts are readily available in most loading manuals, and today, rates range from Norma's ultra-fast R-1 pistol powder to Hodgdon's sleepy 50 BMG. Lot-to-lot variations still occur, of course, so we are wisely admonished to drop our current loads by 10 percent each time we open a new can of powder with a different lot number.

Trends in powders come and go with new powders replacing old, and the introduction of powders designed for specialty purposes, filling a gap in another group of

calibers. For example, Alliant's 2400 was originally designed for the diminutive .22 Hornet case. Yet, today it is loaded primarily in handgun calibers while IMR 4227, H4227 or AA1680 shine in the .22 Hornet.

Winchester's 748 ball powder was designed specifically for the .308, and it is a terrific powder for maximum hunting loads; yet over-the-course match shooters shooting the .308 tend to favor one of the various single-base, extruded powders like 4895 or 4064 because they found them cleaner burning at the pressures being loaded.

Certain powders just seem to be more accurate in certain cases than others. The Nosler, Sierra and older Lyman manuals are very specific about the most accurate powders for each caliber. Hodgdon issues an informative sheet of recommendations called "HPC Preferences."

The Hornady, Accurate Arms and Speer manuals contain excellent comments in the narrative sections for each caliber about powder selection. Some of the best and most interesting data on powder and recommended loads is contained in literature freely available from Alliant, Accurate Arms, IMR, Hodgdon, Winchester, Vihtavuori and other powder companies.

From a handloader's viewpoint, staying current with all available powder data is very important. Yes, there really is a genie in that can of powder you bought — all made possible by the technicians who produce quality powder for handloaders.



FOR MORE INFORMATION

Accurate Arms Company
(800) 416-3006
www.accuratepowder.com

Alliant Powder
(800) 276-9337
www.alliantpowder.com

Hodgdon Powder
(913) 362-9455
www.hodgdon.com

IMR Smokeless Powders
(518) 563-2253
www.imrpowder.com

Nobel Sport
(781) 935-1799
www.adcosales.com

Norma
(201) 767-7971
www.norma.cc

Vihtavuori Lapua
(708) 350-1116
www.lapua.com

Western Powders
www.westernpowders.com

Winchester Ammunition
(618) 258-3566
www.winchester.com

KIRKPATRICK LEATHER COMPANY

Manufacturing Quality Leather Since 1968



"Marshall"
\$340.00
plus \$8.00s&h

NOW ON THE
INTERNET

"Santa Fe"
\$245.00
plus \$8.00s&h



For catalog
send \$5.00 to:
P.O. Box 677GM
Laredo, Tx 78042
or call us at 1(800) 451-9394

www.KIRKPATRICKLEATHER.com

Accurate Arms Newest Reloading Manual



Contains 50 New Pages of Data!

Order your copy from our website at:
www.accuratepowder.com or call
1-800-416-3006. The price is \$16.95, plus
\$2.00 S/H in the continental U.S.

SAFE HEADQUARTERS FORT KNOX



PRESLIK'S GUNSTOCKS
*California Claro & English,
Imported French, Bastogne,
Turkish Circassian & Maple.*

Jim Preslik
4245 Keith Ln., Chico, CA 95973
(530) 891-8236

presenting the new...

Every Day Carry FRAME LOCK

We are so confident you will love the latest Darrel Ralph frame lock design, we are calling it the EDC, "Every Day Carry". It has all the features of more expensive knives and then some. The contoured stainless steel frame has similar cutouts as the ARCLITE neck knife for weight reduction and for positive grip under adverse conditions. Hair-splitting, recurved edge for cutting efficiency with the strongest lock in its class. The look of the future, now.



PROUDLY MADE
IN THE U.S.A.



Specifications:
Blade: 2.95" Flat Ground 420HC
(.100" stock). Finish: Satin
OAL: 6.85". Scales: CUDA Silk Matte,
Skeletalized Heat Treated 420 Stainless
Steel. Carry Method: CUDA Silk Matte
Stainless Steel Pocket Clip. Made in USA
Suggested Retail:
CU220 (plain edge) - \$69.95
CU221 (partially serrated) - \$69.95

CUDA™ U.S.A.



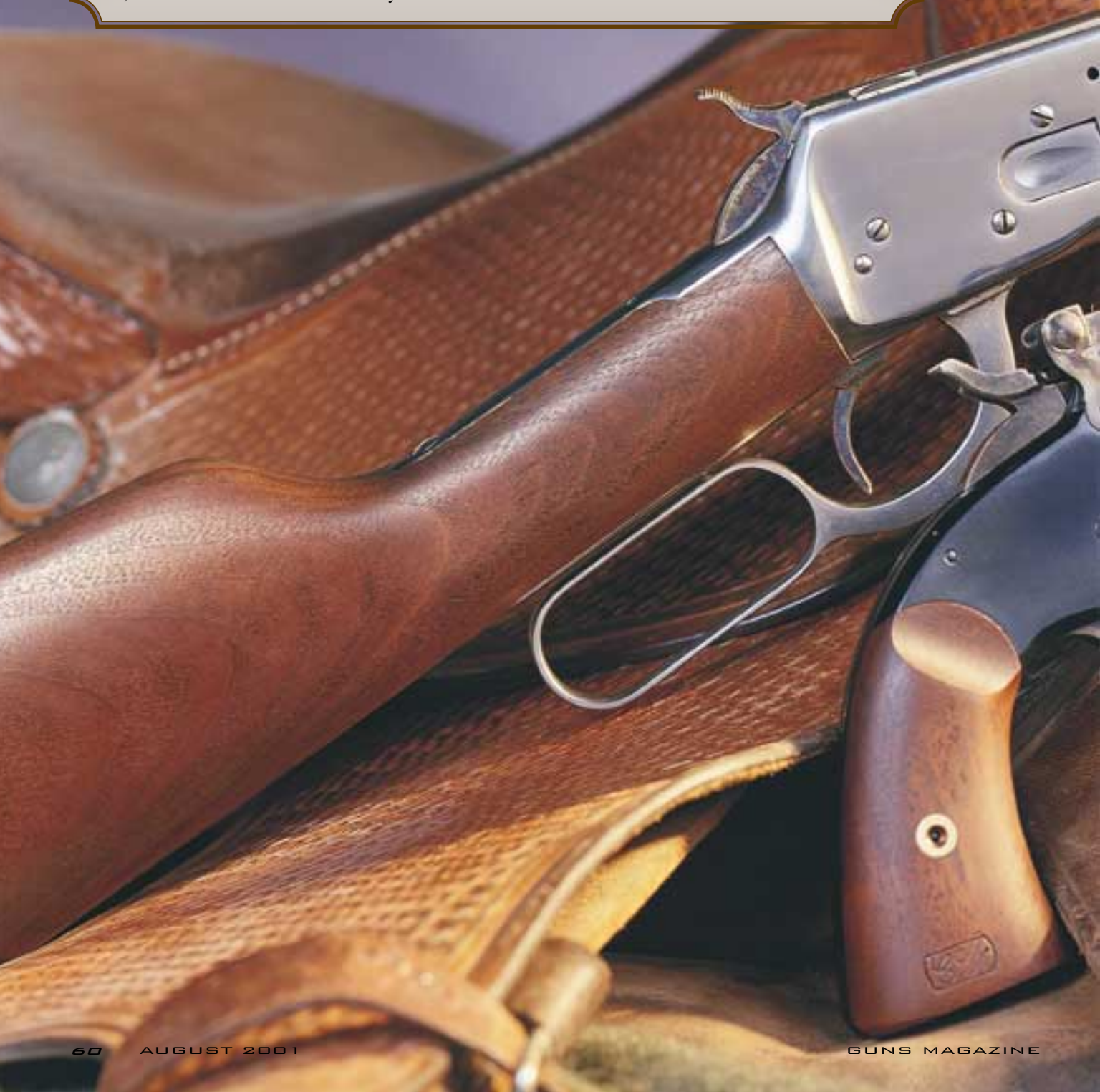
Camillus Cutlery Company
54 Main Street, Camillus, NY 13031
Phone: 800.344.0456 • Fax: 315.672.8832
www.camillusknives.com

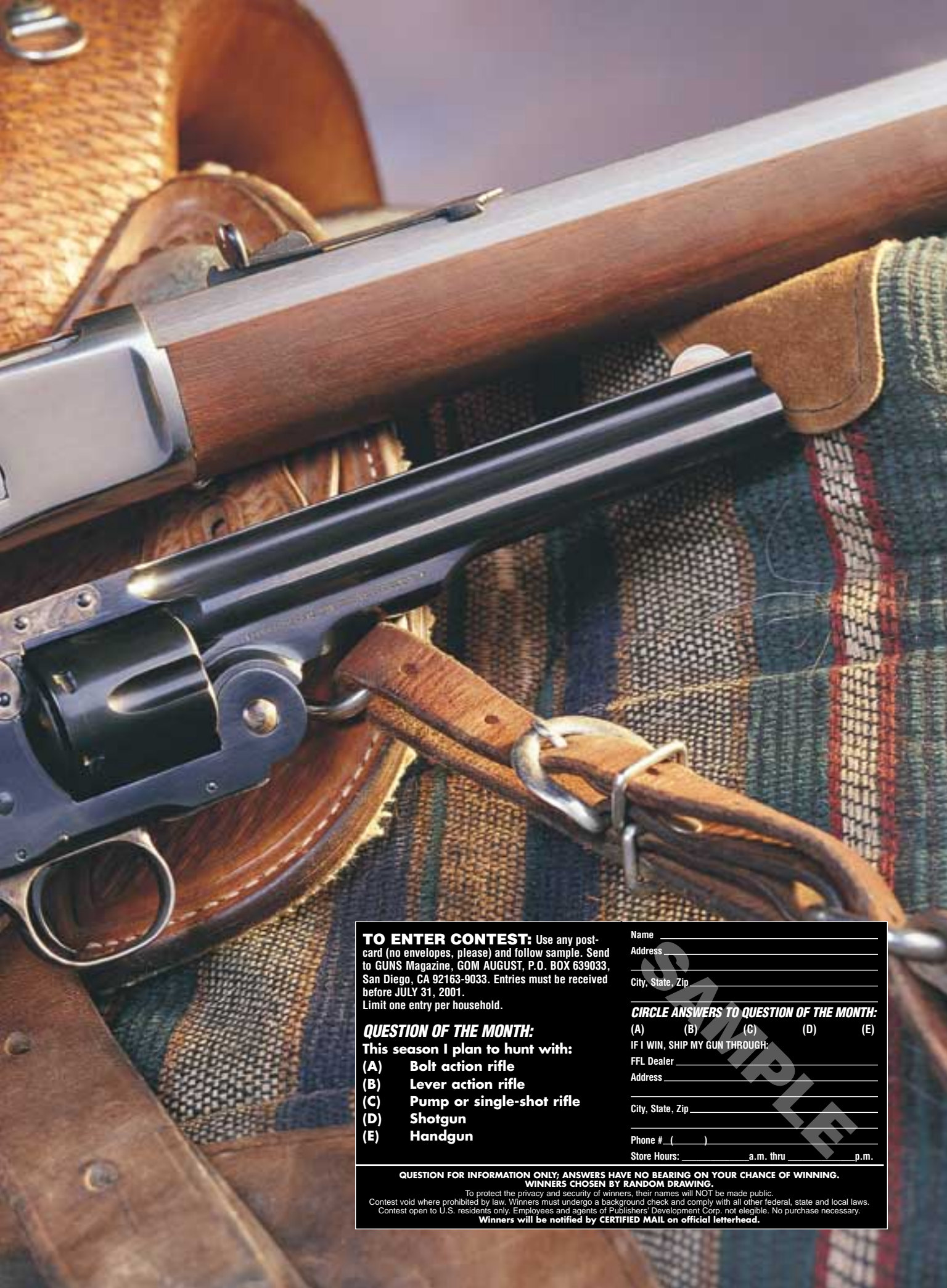
YOU CAN WIN THIS COWBOY DUO FROM NAVY ARMS

This month's Gun Of The Month prize is a pair of classic cowboy guns from Navy Arms. Sixgun lovers will be delighted with the 1875 Schofield Cavalry Model revolver. This classic revolver features a 7" barrel, vintage top-break action, color case-hardened hammer and trigger guard, deep blue finish and walnut grips. The Schofield is chambered in .45 Colt and comes packed in an authentic, Western-style case.

The second gun in this prize package is the lever action Model 1892 Short Rifle. This beautiful levergun features a tough, all-steel receiver, forend and buttstock made of American walnut, a gold-bead front sight, adjustable buckhorn rear sight, octagonal 20" barrel and 10-round tubular magazine. Chambered in .45 Colt, this Short Rifle has the added benefit of all-stainless steel construction for maximum durability under any conditions.

Suggested retail value of this classic prize package is \$1,230. For more information on the full line of replica firearms available from Navy Arms, or to find an authorized dealer in your area, contact the company at (201) 945-2500, or visit them on the web at www.navyarms.com.





TO ENTER CONTEST: Use any post-card (no envelopes, please) and follow sample. Send to GUNS Magazine, GOM AUGUST, P.O. BOX 639033, San Diego, CA 92163-9033. Entries must be received before JULY 31, 2001. Limit one entry per household.

QUESTION OF THE MONTH:

This season I plan to hunt with:

- (A) Bolt action rifle
- (B) Lever action rifle
- (C) Pump or single-shot rifle
- (D) Shotgun
- (E) Handgun

Name _____
Address _____
City, State, Zip _____

CIRCLE ANSWERS TO QUESTION OF THE MONTH:

(A) (B) (C) (D) (E)

IF I WIN, SHIP MY GUN THROUGH:

FFL Dealer _____
Address _____

City, State, Zip _____

Phone # () _____

Store Hours: _____ a.m. thru _____ p.m.

QUESTION FOR INFORMATION ONLY; ANSWERS HAVE NO BEARING ON YOUR CHANCE OF WINNING. WINNERS CHOSEN BY RANDOM DRAWING.

To protect the privacy and security of winners, their names will NOT be made public. Contest void where prohibited by law. Winners must undergo a background check and comply with all other federal, state and local laws. Contest open to U.S. residents only. Employees and agents of Publishers' Development Corp. not eligible. No purchase necessary. **Winners will be notified by CERTIFIED MAIL on official letterhead.**

Sinclair Bench/Scope Stand

Our new bench mountable spotting scope stand makes using your spotting scope a breeze while you are shooting from the bench!

The stand clamps securely to your shooting bench in seconds, and works with almost any scope with a 1/4 x 20 threaded mounting hole. Elevation and windage movements are smooth, precise and located at your fingertips. Produced in our shop from the highest quality materials.

(219) 493-1858
Fax (219) 493-2530



Sinclair
International

sinclair@ctlnet.com

2330 Wayne Haven Street Fort Wayne, IN 46803

Check Out Our Website: www.sinclairintl.com



Call, Write, Fax, or E-mail Us For A FREE
96 Page
Full Color Catalog!

We Accept



GAMO AIR RIFLES

continued from page 39

Carlo comb, plus a beefy ventilated rubber recoil butt pad.

The pistol grip area has checkering, while up front the stock adds a touch of real class by ending in a Schnabel-style rosewood cap that definitely enhances the gorgeous looks of this rifle.

The open rear sight is made of steel and is fully adjustable via click dials. It also gives a choice of four different notches in a rotating plate. Up front there is a substantial blade sitting on a ramp, giving the gun a 12" sight radius. In addition, the Stutzen comes with a raised dovetail base for telescopic sight use.

An air rifle of such quality and elegance usually also incorporates a great trigger mechanism, and the Stutzen follows that tradition. The two-stage trigger is adjustable for length of pull. Adjustments are carried out through a hole in the steel trigger guard that provides access to the trigger-adjustment screw.

This trigger mechanism also features a manual trigger-block safety lever, located directly ahead of the trigger blade. In addition, there is an automatic anti-beartrap safety mechanism that prevents the trigger from being pulled until the cocking lever is returned to its closed position in the stock.

Rugged Raw Power

In contrast to the gorgeous-looking Stutzen, the .177 caliber Gamo Hunter 1250 has the generic looks of a traditional barrel-cocking spring-piston air rifle. That said, there is no question that the Hunter 1250 looks extremely rugged, exuding raw power.

In fact, power is probably the most remarkable attribute of this full-sized adult air rifle. Its model designation is based upon the fact that this brute can generate a muzzle velocity of 1,250 fps. That translates into a muzzle energy in the realm of approximately 23 to 29 ft./lbs. — depending upon pellet weight — making this air rifle quite capable of nailing rabbit-size game at ranges of from 30 to 40 yards with a well-placed shot.

At 48" overall and weighing nearly 8 lbs., the Hunter 1250 is clearly intended for adults, and strong ones at that, given its stiff cocking effort of approximately 58 lbs. This certainly places the Hunter 1250 among the most physically demanding "springers" in current production.

As an aid to help the shooter manage the ponderous cocking effort of the Hunter 1250, Gamo has given this model a beefy muzzle brake that doubles as a cocking handle. This muzzle attachment also incorporates the post front sight.

Like the Stutzen, the Hunter 1250 also comes with an all-steel open rear sight, fully adjustable via click dials. Likewise, the massive receiver sports a raised dovetail for scope use. Given this rifle's tremendous scope-slip-ping recoil as its potent spring-piston power plant is unleashed, the receiver dovetail base incorporates a scope-arresting block.

In the stock department, the Hunter 1250

BAGMASTER

www.bagmaster.com

Pro-Shooter's Bag Tournament Model 1
\$139.95

Pro-Shooter's Bag Tournament Model 2
\$89.95

Tournament Model Stage Bag
\$29.95

Designed to Hold One USPSA (all division) handgun, 2-100 round plastic ammo boxes, 8 Single or Double stack mags, pens, pencils & paperwork.

Rectangular Pistol Pouch- Size 9
\$28.95

Padded inside pockets will hold a full size Auto & 4 Mags.

Mini Range Bag
\$45.95

Padded inside pockets will hold two full size Autos & 8 Mags.

Belt or Clip Holster with Mag. Pouch
\$21.95 each

Over 150 styles/sizes available

Competition Gun Cover \$12.95

Protects holstered USPSA (all division) handguns from the prevailing elements (dirt & rain)

1-800-950-8181

Dept. GM, 2731 Sutton Ave., St. Louis, MO 63143
Shipping & Handling: Under \$50 add \$6, over \$50 add \$9, COOL add additional \$6.00. US Mail and UPS ground USA Only

Randall Made Knives



P.O. Box 1988
Orlando, Florida 32802

WRITE FOR A 40-PAGE FULL-COLOR CATALOG - PRICE \$2.00
INTERNATIONAL MAILING CATALOG -PRICE US \$5.00
PHONE: 407-855-8075 FAX: 407-855-9054 <http://www.randallknives.com>

is also well endowed. The adult-sized stock is made of select beech and is given five coats of hand-rubbed walnut stain. It also sports a hand-carved cheekpiece and checkering on the pistol grip, plus a thick ventilated rubber recoil buttpad with white-line spacer.

The two-stage trigger is adjustable for length of second-stage travel. The trigger action is creditably smooth. Incidentally, this model also has a manual trigger block safety similar to that of the Stutzen.

Not surprisingly, the Hunter 1250 features solid steel construction throughout. Even the trigger blade and trigger guard are made of blued carbon steel. The massive tubular receiver and rifled steel barrel display a rich glossy blue finish similar to that found on the finest firearms.

10 Cents Worth Of Accuracy

In the performance department, both of these spring piston-powered magnums produced impressive results. The Stutzen demonstrated a muzzle velocity averaging 927 fps with a sundry diet of round- and flat-head match pellets. Although only the rifle's open sights were used, most groups fired at 10 yards were consistently dime-sized. That level of accuracy, coupled with the rifle's power, indicates that the Stutzen is just fine for a wide variety of field uses, including small-game hunting at up to 30 yards or so.

The Gamo Hunter 1250 readily showed what an awesome brute this "springer" really is. Using Gamo Master Point .177 pellets weighing around 7.9 grs., the muzzle velocity averaged 1,211 fps. Remember, that is "out-of-the-box" performance from a brand-new air rifle that hasn't been broken in. New spring-piston guns usually undergo a break-in period before they reach full performance levels. This period can take anywhere from a few hundred to several thousand shots, depending upon the given model and power plant lubrication.

As far as accuracy, the Hunter 1250 doesn't take a back seat to the Stutzen — or, for that matter, most "springers" in its category. Five-shot groups fired from 10 yards averaged 0.5" across, which is certainly ample for taking a wide variety of small game at ranges of 30 yards or more, particularly with head shots.

The Hunter 1250, given its size and Gargantuan cocking effort, will not be everyone's cup of tea, but adults looking for a truly potent full-sized air rifle should definitely put this model on their short list of candidates. For its part, the Stutzen should appeal to the magnum air rifle buff who can also appreciate uncompromising refinement at an affordable price.



FOR MORE INFORMATION

Gamo USA Corp.

3911 S. W. 47th Ave., Suite 914
Ft. Lauderdale, FL 33314
(954) 581-5822
www.gamo.com

HOGUE
www.getgrip.com

Grips
Available for most makes & models. Made from Exotic Hardwoods & Soft Rubber.

Stocks
Remington, Winchester, Ruger & Mossberg Rifles & Shotguns. NEW! Mini 14/30

HandAll® Grip Sleeves

HOGUE INC. **FREE Catalog 1-800-GET-GRIP**
Call for location of your nearest dealer (800-438-4747) 805-239-1440 fax 805-239-2553
P.O. BOX 1138, PASO ROBLES, CA 93447 www.hogueinc.com

LONG GUNS IN THE TRADITION OF THE LEGENDARY DAN WESSON FIREARMS



For the first time in history you can own a bolt action rimfire rifle that has earned the right to bear the **DAN WESSON FIREARMS** name. The Coyote Classic and Coyote Target models, available in either .22 LR or .22 Mag, have the look, feel and function of an adult sporting rifle. Both come with hand finished exotic hardwood stocks (Classic has checkering and schnable, Target has high comb and pistol grip), recessed crown target muzzle, and receivers drilled & tapped for a Weaver #45 base. Also available: 13 models of revolvers (.22 LR to .44S SuperMag) and 11 models of .45 caliber 1911's



DAN WESSON FIREARMS
SMI CORPORATION

119 Kemper Lane Norwich, NY 13815

607-336-1174

danwessonfirearms@citilink.net

www.danwessonfirearms.com

Handloading With

Sixgunners who've struggled to create safe, high-performance loads with the beefiest of bullets may find Hodgdon's specialty .410 powder is exactly what they've been looking for.



Hodgdon's L'il Gun

By John Taffin

Back in 1932, handloaders bold enough to try to improve upon factory performance of their .38 Special, .44 Special and .45 Colt loads often used DuPont's Sporting Powder #80. They found that this powder, made for rifles, gave them increased velocities that exceeded the factory standards of the time.

What wasn't apparent to these bold experimenters were the pressures which were generated in this process. Phil Sharpe, one of the developers of the .357 Mag., reported that Elmer Keith wrecked several sixguns firing loads assembled with #80 powder.

In 1932, Hercules (now known as Alliant) introduced a product called #2400. It was intended for use in .22 Hornet loads, but reloaders soon found that this powder gave them magnum performance when used in the .44

continued on page 66

Left: Sixgunners who want to get the most out of their big-bore sixguns will appreciate the performance boost L'il Gun gives to heavy bullets in .44 Mags., .45 Colts, .454 Casulls and .475 Linebaughs. Above: Originally developed for use in .410 shotgun loads, handloaders quickly discovered that L'il Gun also works darned well in high-powered revolver loads as well as in .22 Hornet cases.



QUICK REFERENCE CHART

L'IL GUN POWDER HANDLOADS

BULLET	POWDER	VELOCITY
.44 MAGNUM		
BRP 255 gr. KTGC	24.0 grs. L'il Gun	1,443 fps
BRP 295 gr. KTGC	20.0 grs. L'il Gun	1335 fps
Cast Perf. 300 gr. LBT	20.0 grs. L'il Gun	1,330 fps
.45 COLT		
Swift 265 gr. JHP	25.0 grs. L'il Gun	1,400 fps
Beartooth 265 gr. Keith	25.0 grs. L'il Gun	1,453 fps
Nosler 250 gr. JHP	20.0 grs. L'il Gun	1,238 fps
BRP 305 gr. GC	20.0 grs. L'il Gun	1,242 fps
.454 CASULL		
BRP 305 gr. GC	31.0 grs. L'il Gun	1,730 fps
Cast Perf. 360 gr. LBT	25.0 grs. L'il Gun	1,455 fps
.475 LINEBAUGH		
BRP 435 gr.	25.0 grs. L'il Gun	1,375 fps
LBT 370 gr.	26.0 grs. L'il Gun	1,460 fps
LBT 420 gr.	23.0 grs. L'il Gun	1,360 fps
LBT 440 gr.	22.0 grs. L'il Gun	1,315 fps

• Target Practice • Protection •

REEL GUNS FOR SALE

Complete with 100 rounds • Free Concealed Weapons Permit

• 25 cal • Detachable Magazines • Accurate • Full Size

Guns from the 1940s

DSRT. EAGLE \$39.⁹⁵

M-92 \$39.⁹⁵

Czech 9 \$49.⁹⁵

GLK 17 \$39.⁹⁵

UZI \$59.⁹⁵

G-3 Assault Rifle \$79.⁹⁵

Mini GLK \$44.⁹⁵

US 45 \$39.⁹⁵

M-16 Assault Rifle \$99.⁹⁵

HK-USP \$39.⁹⁵

MP-5 \$79.⁹⁵

FREE - 200 PRACTICE BULLETS FOR MAIL ORDERS

Sold to anyone 18 years or older •

Derringer Pistols

- All Steel
- Sold to anyone
- Easy loading
- No permit required
- Shoots slugs or shot
- .45 / .410
- Comes with 10 bullets (black powder only)
- Hammer block safety

Single barrel \$59.⁹⁵

Double barrel \$99.⁹⁵

AWESOME 12 Ga. Pistol

\$59.⁹⁵

Yes, this tough Marine Pistol will shoot a special defense round disabling the toughest grizzly bear. Why use ineffective sprays when you can hit'em with a 12 gauge? Built to last a lifetime • Sold to anyone

- Hammer block safety
- Legal to own
- Includes 3 - 12 gauge defense rounds.

Extra Rounds: \$5.95 / 3 pack

Let's Rock' N' Roll!

INSTANT FULL AUTO!

"So Easy to Use" • "Single, 3-Shot Burst, or Full" • "Awesome"

Have you ever wanted to shoot full auto but red tape always got in the way? Well forget all that! We have a custom system for your semi-auto that will empty a 30 round magazine in 3 seconds! Right out of the box you'll be able to shoot single shot, 3 shot bursts or full auto type fire accurately and legally! Get Yours Today!

Instant full auto - \$34.95

DON'T GET TRAPPED!

Every executive, gun owner or dealer - you absolutely need the incredible "Snitch"™ Pen. This high tech device protects you against body worn transmitters, room bugs, wireless cameras, phone transmitters - by signaling you discreetly by a flashing LED on the top of the pen. Don't get caught without one!

Only \$29.⁹⁵ complete w/batteries

SEND NAME, ADDRESS, FUNDS + \$5.⁰⁰ P&H TO:

FLASH DISTRIBUTING

28 S. Grand Ave. • Montrose, CO 81401

MC/VISA call: (970) 249-0302

Send \$3.00 for catalog

HODGDON'S L'IL GUN

continued from page <None>

Special. In 1935, this was the powder used in the first true magnum, the .357. For the next 50 years, #2400 would reign as the powder of choice for sixgunners for everything from heavily loaded .38 Special and .45 Colt cartridges, to .357, .41 and .44 Mag. loads.

Nearly 70 years later, #2400 is still a great powder. For most magnum applications with standard weight bullets, it simply can't be beat. It falls a little short, however, when using heavyweight bullets. Until recently, such loading applications were served by WW296 and H110, but a new powder has recently been introduced which raises the bar. That powder is called L'il Gun from Hodgdon.

L'il Gun was developed, according to Hodgdon engineers, for use in .410 shotgun loads. According to the developers, "(The .410) has long been difficult to load due to shortcomings in powder fit (and) metering, along with poor burning characteristics. Not any more. L'il Gun was designed to fit, meter and perform flawlessly in the .410 bore. No more spilled shot or bulged cases. In addition, L'il Gun has many pistol applications and is superb in the .22 Hornet." Although Hodgdon seems to be downplaying L'il Gun's pistol applications, this powder has proven superb in both .22 Hornet and magnum sixguns.

Shooters are just beginning to tap into the many possibilities for L'il Gun. We've used it in developing handloads for the .44 Mag., .45 Colt, .454 Casull and .475 Linebaugh. As always, use these loads with caution, but we think you'll find them quite enjoyable.

.44 Magnum

All of these loads were tested in a Ruger 7.5" Bisley Blackhawk. BRP's 255 gr. KTGC (Keith Gas Check) over 24.0 grs. of L'il Gun produces 1,443 fps and is capable of putting five shots into 1.125" at 25 yards. Switching to BRP's heavier .44 bullet, the 295 gr. KTGC and 20.0 grs. of L'il Gun yields 1,335 fps and is capable of 1" groups at 25 yards.

Cast Performance Bullet Co.'s 300 gr. LBT performs almost identically, with 20.0 grs. of L'il Gun yielding 1,330 fps and a group of 1.25". This load will penetrate deep and is an outstanding choice for the sixgun hunter in search of big game.

.45 Colt

As you might expect, these loads are for use only in large-framed, modern sixguns such as the Ruger Blackhawk. These loads were all tested in a Ruger 7.5" Bisley model, and in this handgun, L'il Gun really delivers.

Loading a Swift 265 gr. JHP over 25.0 grs. of L'il Gun produced 1,400 fps and a 1" group at 25 yards. Beartooth's 265 gr. Keith

bullet over a charge of 25.0 grs. of L'il Gun yields 1,453 fps and a 1.375" group. For a milder-shooting load that should be near-perfect for whitetails, try Nosler's 250 gr. JHP over 20.0 grs. of L'il Gun for an easy-shooting 1,238 fps which proves capable of .875" accuracy.

Our favorite heavy-bullet load is BRP's 305 gr. GC over 20.0 grs. of L'il Gun, which yields 1,242 fps and accuracy of .875". This isn't a maximum load by any means, but it does the job, and is a very easy-shooting load in the Ruger Bisley Blackhawk.

.454 Casull

These loads were developed in the 7.5" Freedom Arms revolver chambered for this cartridge. In this powerful cartridge, 31.0 grs. of L'il Gun sends a 305 gr. GC out at 1,730 fps and is capable of 1.25" accuracy. Moving up the scale, Performance Bullet Co.'s 360 gr. LBT over 25.0 grs. of L'il Gun produces a muzzle velocity of 1,455 fps and is capable of producing groups measuring just .875" at 25 yards.

.475 Linebaugh

For the sake of consistency, the test gun used for these loads was a 7.5" Model 83 from Freedom Arms — one of the most enjoyable working and hunting sixguns around. Loading a BRP 435 gr. bullet over 25.0 grs. of L'il Gun yields 1,375 fps. Putting an LBT 370 gr. bullet over 26.0 grs. of L'il Gun yields 1,460 fps. Using a 420 gr. bullet from LBT over 23.0 grs. of L'il Gun results in 1,360 fps. And a load assembled with a 440 gr. LBT bullet and 22.0 grs. of L'il Gun clocks out at 1,315 fps. Accuracy? Well, with these heavy-recoiling loads, accuracy is as good as any shooter can hold.

For the .475 Linebaugh, Hodgdon lists a recommended load of 29.0 grs. of L'il Gun with a 385 gr. bullet, which they claim will produce over 1,500 fps. Need we say that the recoil with this one is going to be a bit stout?

L'il Gun certainly raises our performance expectations a notch or two when using heavy bullets in our favorite big-bore sixguns. It may be designed for shotguns and varmint hunters who favor the .22 Hornet, but from a sixgunner's perspective, L'il Gun is a real treat.



FOR MORE INFORMATION
Hodgdon Powder
 (913) 362-9455
 www.hodgdon.com

NEW

LOOK!

If You Haven't Seen It Lately, You Haven't Seen It.

GUNS Magazine has a new look.

Inside are new columns, new features, and a new way to satisfy your passion for guns and shooting sports news.

Pick one up and you'll swear it even feels different. It won't be easy to put down either. You'll discover even more of the incredibly detailed images *GUNS* is known for, plus the straight-shoot'n facts and features shooters have relied on since 1955.



Take A Closer Look! Satisfaction Guaranteed

Try a subscription to *GUNS Magazine* – **only \$19.95** for 12 adventure-filled issues. If it's not everything you expect, just say so and we'll refund the unused portion of your subscription – no questions asked!

Order Now!

www.gunsmagazine.com
(888) 732-9116 (\$34.95 outside U.S.)
P.O. Box 85201, San Diego, CA 92186



MORE Guns, And Gear... Find It All Right HERE.

An arsenal of information and shooting news is packed inside each issue. Here's a sample of the regular columns:

- Handguns – Ayoob
- Handloader – Petty
- Rifleman – Anderson
- Shotgunner – Bodinson
- Campfire Tales – Taffin

PLUS...

- New Products
- Quartermaster
- Classifieds

And Much More!



Firelapping For Accuracy

By Charles E. Petty

Got a rifle that's giving you trouble? Before you spend money on gunsmithing, try this simple but effective accuracy-tuning procedure that's as easy as a trip to the range.

YOU BE THE JUDGE						
FIRELAPPING TEST RESULTS						
Rifle: Remington 700P-LTR						
Ammo: Black Hills 50 gr. V-Max						
BEFORE						
Velocity	Group 1	Group 2	Group 3	Group 4	Group 5	Accuracy*
3,266 fps	1.305"	1.119"	0.973"	1.141"	1.641"	1.237"
AFTER						
Velocity	Group 1	Group 2	Group 3	Group 4	Group 5	Accuracy*
3,278 fps	0.726"	0.873"	0.658"	0.637"	0.897"	0.758"

*Accuracy is the average of five five-shot groups fired at 100 yards from a benchrest.

Right: A finicky Remington 700 was the perfect candidate for the firelapping process, which can improve the accuracy of a precision rifle which is not living up to its potential.



The idea of using an abrasive compound to polish the inside of a rifle barrel is hardly new. The practice of lead lapping certainly dates to the early days of centerfire cartridges and perhaps even further back into the days of muzzleloaders. The concept is actually pretty simple. A steel rod is inserted from the breech end of an unchambered barrel and stopped an inch or two from the muzzle. Then, molten lead is poured into the bore to form a lead slug.

Once the lead sets up, the rod is pushed out of the muzzle and the lead slug is coated with a mix of oil and lapping compound. The slug is then pulled and pushed back and forth through the barrel.

When you do this, even with a very well made barrel, you can actually feel differences in resistance as the lap goes through. Spots that are tight may get a little more attention. It is a job that requires a certain skill.

Depending on the condition of the original barrel, the lapping process can be easy or difficult. The grit of the lapping compound is a matter of choice and there are differing opinions, but most use medium or fine grades. Sometimes a barrel will receive treatment with several different grades, ending with a very fine compound.

The entire process of lead lapping is accepted as beneficial and is often done to the more expensive custom barrels. For example, the rifles that come out of Remington's Custom Shop wear hand-lapped barrels. It is also possible to have it done by machine,

Firelapping is accomplished by firing a series of abrasive-coated bullets down the bore of your rifle, starting with, from left, coarse, medium, fine, and concluding the procedure with a polishing round.



EMERSON

When your
life depends
on your
gear...

Mach-1
BTS

Commander
BTS

CQC-7B
BTS

...Get the
gear your
life can
depend on™

The #1 Hard Use Knives in the World™

(310) 542-3050 www.emersonknives.com

Contact your Local Outdoor Outfitter Made in the USA



ITT Industries
Night Vision™

**WE WON'T LEAVE
YOU IN THE DARK!™**

Extend your adventures into the DARK...

- Scout for game in the early morning hours
- Track down varmints & predators at night
- or just make it back to camp in one piece!

with a complete line of high-performance Night Vision devices
from the leading manufacturer of U.S. Military Night Vision!



DCG™ SUPPLY, Inc.

www.dcgsupply.com

(800) 998-7007

6100 Enterprise Drive, Suite L, Diamond Springs, CA 95619

- Largest In-Stock Selection
- Knowledgeable Sales Staff



although this loses the feel that a skilled maker uses to know when a specific spot in the bore needs a little extra work.

Abrasive Talk

Most shooters view abrasive compounds with the thought that they should never be in close proximity to a firearm — and that is generally true. But lapping compounds can be wonder tools if used properly, and the new firelapping process offered by Neco is truly a wonder.

Back in the old days it was possible to get a wonderful slide-to-frame fit on a 1911 with the judicious use of fine valve-grinding compound bought at the auto parts store. Today there are a plethora of compounds in grits ranging down to micron size (1 micron=0.000001 meter). Neco uses laboratory grade aluminum oxide compounds because of their greater uniformity.

But when we talk about shooting something through the barrel of a rifle, the auto parts store is not the place to go. Just a drop of oil on a bullet can raise pressures substantially.

Neco's bullet coating process has no such concern because the lapping material is imbedded into the bullet and is completely dry. Even so, shooters should use reduced loads to provide an extra margin of safety.

You have several choices in how to firelap a barrel. Neco sells a kit with everything needed to coat your own bullets, you can purchase pre-coated bullets or purchase specially loaded ammo ready to shoot. The latter was the approach here, even though it is the most expensive option. It is also the quickest.

The box of cartridges contained 30 with bullets embedded with coarse (220 grit), medium (400 grit) and fine (800 grit) lapping compounds. There are also 20 "polishing" rounds coated with 1200-grit compound. This is enough to treat at least two rifles.

The test began with a thoroughly cleaned bore, which was then examined carefully using a bore scope. There were definite tool marks and several inclusions where chips left over from the reaming operation remained in the bore during hammer forging. This left crevices that looked something like the Grand Canyon with the bore scope's magnification, although they were actually quite small. The most important thing was to get a subjective impression of the smoothness, which really wasn't bad.

For the test to be valid it required getting a good baseline accuracy result before treatment. We used Black Hills ammo loaded with a 50 gr. Hornady V-Max bullet, since our experience with this ammo has been very good. Five, five-shot groups were fired at 100 yards with the rifle carefully bench rested. A Bausch & Lomb 6-24x scope was used, set on the highest magnification.

The test plan required firing two fouling shots through a cold, clean bore followed by three groups. The bore was then thoroughly cleaned, fouling shots fired, and two more groups were fired for a total of five. The average of those groups was 1.237".

The Lapping And The Slugging

After test firing, the bore was cleaned using an Outers Foul Out and inspected with the scope to determine that it really was spotless. Neco recommends pushing a lead slug through the bore at each step to subjectively evaluate smoothness, the amount of work required to push the slug through and to feel for obviously tight or loose areas. Before the lapping began, slugging revealed tight areas just forward of the chamber and again near the muzzle.

Firelapping was started by firing the first five bullets with coarse coatings. The bore was cleaned and inspected for changes. We found a little visible polishing. The passage of the lead slug was a bit easier.

This procedure was repeated with five each of the medium and fine bullets with cleaning and inspection in between. After the medium rounds there was a noticeable polishing improvement, and again after the fine rounds.

With each increment there was also obvious improvement in the effort required with the slug. By the time the medium rounds were fired there was no noticeable difference in effort from one end to the other. The "canyons" were still visible, but seemed much improved. The sharp edges had been smoothed and they didn't seem to be as deep.

We have to be careful here not to give the impression that significant amounts of metal are removed in the firelapping process. That's not the case at all. Informed estimates suggest that less than 0.0001" change would be measurable.

The final phase was to shoot 10 polishing rounds. These produced a considerable improvement in the brightness of the bore and finished the smoothing process.

With the firelapping process complete, the bore was cleaned with the Foul Out and inspected yet again. The bore looked much better than it had just 25 rounds earlier.

Off to the range again and the "after" test was done in the same manner as before. This time the average was 0.758". That calculates to a 39 percent reduction in group size. This result is far better than mere chance.

We are converts, but it's worth noting that not all rifles are candidates for this process. Many shooters are not overly concerned with achieving such precise accuracy, but varmint hunters and long-range shooters might want to look into firelapping if a particular rifle isn't living up to expectations.



FOR MORE INFORMATION

Nostalgia Enterprises Co. (Neco)
536-C Stone Rd.
Benecia, CA 94510
(800) 451-3550
www.neconos.com

GAGE
GUN LEATHER & ACCESSORIES

The ultimate concealment
in handgun leather

Western Belts, Ranger Belts, Dress Belts
Send \$4.00 for color catalog
110 Colbath St., Las Vegas, NV 89110
Fax 702/459-6569
or call Monday-Friday, between 9-5 P.T.
702.459.2234
www.gagegunleather.com

AIRGUN
Express
Inc.

Airgun Express, Inc.
606 S. Front Street
Montezuma, IA 50171

Call **1-800-896-4867** today for
a complete set of RWS and Gamo
catalogs along with our newsletter.

RWS 48 .177, .20 or .22
Sale Price - \$309.50

Baikal IZH-46M
.177 Match Pistol
Price - \$286.00

Beeman R9 .177 or .20 Rifle
Price - \$264.00

Check our web site at
www.airgunexpress.com
FAX: 1-641-623-5672
airgunex@netins.net

Just Compare... Nothing Even Comes Close!

FORT KNOX
SECURITY PRODUCTS

"Go With America's Best!"
General Chuck Taylor

- UL Listed
- Certified Fire Protection
- Lifetime Warranty
- Competitive Prices
- Over 20 Models
- Superior & Greenleaf Locks

Free Brochure! **1-800-821-5216**
1801 North Industrial Park Blvd. (near I-80) 84007 www.fortknox.com

Technology

HK

HECKLER & KOCH, INC.
21480 Pacific Boulevard
Sterling, Virginia 20166 U.S.A.
TEL 703.450.1900 • FAX 703.450.8160
www.hecklerkoch-usa.com

GLOCK® Grip Accessories by PEARCE GRIP

The Choice of Professionals

- ☐ Grip Enhancers
- ☐ Grip Extensions
- ☐ Plus One Grip Extensions
- ☐ Plus Two Magazine Extensions



PEARCE GRIP

Specializing in Replacement Grips for Firearms

P.O. Box 40367

Fort Worth, Texas 76140

(800) 390-9420 (817) 568-9707 fax

<http://www.pearcegrip.com>



Suggested Retail \$9.95

Custom DESIGNS



Special Offer!
\$49.95 + S&H

**Kershaw's
Whirlwind**

Model 1560 by Ken Onion

Spring Torsion Bar For Assisted Opening

440A Stainless Blade - 4 3/8" Linerlock - Black Polyamide Handles

Catalog: Over 100 Brands Available ...\$8.00

FREE!

Normark Pocket Sharpener w/order For First Time Buyer's



Groves Edge, Inc.

3760 E. 350 S., Bringham, IN 46913

1-800-248-2181

The Jammit™ Target Stands

*An easy,
compact way
to hang targets.*

Hunting,
Shooting,
Reloading,
Maintenance,
Throwers,
Bowhunting,
Storage...

... see your local
sporting goods retailer for
MTM Case-Gard's full line of
practical shooting products
or contact us for a catalog.



www.mtmcase-gard.com

MTM Molded Products Company

PO Box 13117 - Dept. GN-TSC - Dayton OH 45413

(937) 890-7461 - (937) 890-1747

.30-30 TODAY

continued from page 37

loaded in lever guns as long as utmost care and safety precautions are observed to assure that such ammo is not mixed with traditional loads, or improperly loaded. Simply load one in the chamber and one in the magazine, making the rifle a two-shot. The Remington factory 55 gr. .224 spitzer Accelerator is the only exception. Because the load does not develop any meaningful recoil, it is considered entirely safe for tubular magazine use.

We've experimented with a lot of two-shot spitzer loads for lever guns. Frankly, they're difficult to assemble properly because the maximum overall length of the .30-30 cartridge, set at 2.55", is critical if the second cartridge is to cycle from the magazine through the action.

The other problem is that spitzer bullets either do not feature a cannelure or carry a cannelure at the wrong point for a proper crimp in the .30-30 case. When all is said and done, it's a waste of time. A 200-yard rifle doesn't need a spitzer bullet — the actual improvement in downrange ballistics is inconsequential.

The Perfect .30-30

When it comes to .30-30 firearms, we love the utility of the little 20" barreled carbines, but favor the 24" barreled Marlin or Winchester rifles for accuracy and velocity. Last whitetail season, we carried Winchester's "Legacy" model in .30-30 equipped with a 24" barrel, full-length magazine, and two carbine-style barrel bands. The "Legacy" design is an angle eject so it was mounted with a Kahles 4x36 scope.

The rig is nicely balanced, a delight to carry and performed like a good .30-30 should. One shot at 125 yards, using Winchester's hot, new, 150 gr. Power-Point Plus, was all it took to put some top-grade venison in the freezer.

In short, the .30-30 is a wonderfully flexible and effective 200-yard big game cartridge. Its modest recoil makes it easy to shoot in light, handy firearms. Even though it's 106 years old, it's still a modern classic and holding its own into the new millennium. Don't overlook it — it's not your grandpappy's .30-30.



FOR MORE INFORMATION
Old Western Scrounger
(800) 877-2666

Laser-Cast Bullets
(800) 811-0548

FACTORY AMMO

continued from page 35

speaking to a club member, he pleaded, "Will you give this a try? I must be doing something wrong."

The reply: "Sure, where is your ammo." The hunter pointed to a canvas bag.

Rummaging therein, we found at least seven distinct loadings, including those from three different manufacturers and with bullets of every shape and almost certainly several different weights.

Rather than try to explain the problem, we selected six rounds that we believed were the same load. We then fired one fouler shot into the berm and fired a quick five-shot group, which measured well under 2".

Upon examining this, the shooter asked, "What am I doing wrong? I was sure I wasn't flinching..."

The Effects Of Bullet Weight

In another instance, a shooter showed up with a lever-action .30-30 and three boxes of ammunition. While all were the same brand, two were loaded with 170 gr. bullets, the other with 150 gr. bullets. The shooter had always used 150 gr. loads for deer hunting, but his son was going to use the rifle during an upcoming elk hunt, so he had (wisely) selected 170 gr. bullets.

He sat down at the bench, loaded the gun with 150 gr. cartridges, carefully rested the rifle and fired a group through the open sights. His three shots formed an acceptable 3" group, nearly centered about 2" above the target bullseye — good enough, in his opinion.

He then fired three of the 170 gr. loads. He was perplexed because he never even hit the target. He asked for help.

We sat down, lowered the rear sight elevator several notches, loaded three 170 gr. loads in the gun and proceeded to fire a perfectly acceptable group, reasonably centered on the target. The shooter had not taken into account the effect of the heavier bullets on his point-of-impact.

Diagnosis: Accuracy

So, what caused these shooters such grief? In both instances — and myriad similar examples which occur prior to hunting season at ranges all around the country — the problem was ammunition choice.

Experienced shooters know that, in general, any rifle will produce better accuracy with loads that happen to work well with the particular gun. This fact results from many factors, including chamber and barrel characteristics, as well as barrel contour (vibrational harmonics). Other factors enter into the equation, but the fact of the matter is, different loads do not perform equally in any particular gun; different bullet weights often shoot to dramatically different points-of-impact.

More advanced shooters find pitfalls too. For example, the first few shots from a freshly cleaned bore often hit several inches

Knife Outlet

Cool Blades!

Hot Prices!



The knives you want at internet prices!

Knife Outlet
Div. of Specialty Web Marketing, Inc.
66400 Oak Road
Lakeville, IN 46536

www.knifeoutlet.com
(800) 607-9948

S & K SCOPE MOUNTS • S & K SCOPE MOUNTS • S & K SCOPE MOUNTS

Home of the Insta-Mounts (for Military Types)

Presents: **SKulptured Bases**
Smooth Kontoured Rings
PROJECTIONLESS MOUNTS PATENTED #5,533,267

Send For Brochure:
S & K SCOPE MOUNTS
RD 2 BOX 72E
SUGAR GROVE, PA 16350
Tel: 800-578-9862 or
814-489-3091
Fax: 814-489-5466
Website:
www.scopemounts.com



Easy Installation
the lightest
the strongest
The Best!
Guaranteed

TRY THEM!
WEIGH THEM!
USE THEM!
OBVIOUSLY!
FOR LIFE!


All Steel, Fully Machined, Windage Mounts

BULLETPROOF VEST

This Class II-A-Kevlar soft body armor will defeat the .45 ACP, .357 Mag., 9mm, 00 Buck and knife attack. Tested at the Aberdeen Proving Grounds by the U.S. Government Edgewood Arsenal. Front and back protectors: \$220. Side Panels: \$45.00 per set. Trauma plate: \$35. Sizes S,M,L,XL.

ALSO: Reloaded Ammunition: .38 spl. 158 gr. FMJ \$120/M, 9mm 115 gr. FMJ \$125/M, 40 cal. 180 gr. FMJ \$165/M, .45 ACP 230 gr. FMJ \$175/M. Reloading since 1974. Send certified check or money order to:

MPS Co., P.O. Box 1754, Matthews, NC 28106
Phone: (704) 847-8793 Fax (704) 847-4447
www.mpscompany.com



DEALER PRICED



40' x 60' x 12'
\$7,139

Build it yourself and save money 10,000 sizes, all bolt-together All Steel Buildings & Homes. Call today for a price quote and a brochure.

HERITAGE BUILDING SYSTEMS,™
800-643-5555
heritagebuildings.com

Innovation



HECKLER & KOCH, INC.
21480 Pacific Boulevard
Sterling, Virginia 20166 U.S.A.
TEL 703.450.1900 • FAX 703.450.8160
www.hecklerkoch-usa.com

PROJECTIONLESS SPLIT-RING MOUNT



The FIRST!

The ONE!

The ONLY!

(THE ORIGINAL! - NOT AN IMITATION!)





CUSTOM BRIDGE BASE





CUSTOM TWO-PIECE BASE



"The Finest in Sight"

CONETROL

SCOPE MOUNTS

FREE COLOR BROCHURE — 800-CONETROL Hwy. 123 South Seguin, Texas 78155

away from those fired after fouling the bore. Also, bullet weight can profoundly influence zero. Changing from 150 gr. bullets to 170 gr. bullets in the classic lever-action .30-30 commonly results in a 12" to 18" shift in vertical impact at 100 yards.

Another little-known fact is that changing powder types without cleaning and refoiling the barrel usually results in dramatic point-of-impact shifts for the first few subsequent shots. In addition, different bullet shapes (round nose, pointed, etc.) in otherwise similar loads can account for a significant impact shift.

Get The Most From Factory Loads

Just because you're shooting factory ammo doesn't mean you have to suffer second-rate accuracy. Any shooter should expect above-average accuracy from a rifle even when using factory ammunition. Let's look at a procedure that will help most shooters find an adequately accurate load.

Before fiddling with ammo selection, however, understand that you will be wasting your time and money if you cannot practice consistent and proper bench technique — the gun should be supported by sandbags (at the same point on both forend and buttstock for each shot) and you must hold the rifle the same way for each shot. Equally important, you cannot accomplish anything valuable while flinching. Perfect your technique before worrying about the effect of your ammo choice.

Once you are confident of your own abilities, thoroughly clean the bore before shooting for accuracy, use an accepted product and use it according to instructions. (If you have neglected the bore, this may involve many hours of tedious work, but no badly fouled gun will shoot its best.)

After determining what basic type and weight of bullet you want to use, choose at least three brands with similar loadings, if possible; include "premium-grade" factory loads. If feasible, before you begin accuracy testing, temporarily replace your hunting scope with a high-magnification target scope.

Extensive testing suggests that about 30 percent of all scopes will not properly hold zero. This fact begs the question, "How does one know that the test scope is good?" We know no simple, perfect and complete answer, but if groups are consistently somewhat rounded, the scope is probably good. Conversely, if groups often contain subgroups of shots in smaller clusters (especially if those are consistently in the same quadrants) the scope may have a problem.

Verify proper and secure rifle scope attachment and proceed with your accuracy testing on a relatively windless day. Choose a particular loading and then fire at least three fouler shots through the clean bore. Use these to establish a 25 yard zero — adjusting your scope to bring impact close to point-of-aim at 25-yards will place zero "on paper" at 100 yards.

Then, fire at least three separate three-shot groups at 100 yards, note any called fliers

Career Training in GUNSMITHING

Earn an Associate (Occupational) Degree in 14 Months

- 1500 Hands-on Shop Hours •
- Financial Aid to those who qualify •
- Approved for Veterans Education •

"Not a Home-Study course."

Colorado School of Trades

1575 Hoyt St. GM, Lakewood, CO 80215
1-800-234-4594 In Colorado 303-233-4597
www.gunsmith-school.com

★
Training Gunsmiths Since 1942
Further Courses available

Installation a Problem?

Not Any More!


6 Piece Modular Design

Five Sizes
Capacities from 8-52 Guns

Zanotti Armor Safes

123 W. Lone Tree Rd.
Cedar Falls, IA 50613 (319)232-9650

ATTENTION BUYERS AND SELLERS




SHOOTER'S BIBLE - Latest Edition

For gun enthusiasts, with over 3,000 firearms currently offered by American and foreign gunmakers. Handguns, rifles, shotguns and blackpowder arms are all represented in this fully illustrated edition. Complete with specifications and retail prices. The latest in reloading, ammo, high-tech equipment and sights/scopes keeps hunters and shooters well-informed. **\$23.95**

GUN TRADER'S GUIDE - Latest Edition

This book is a must for anyone involved with firearms in any capacity. This guide describes and prices over 5,300 handguns, rifles and shotguns, domestic and foreign. Includes new listings of sporting, defense and military weapons. This comprehensive index makes finding, identifying and pricing any firearm a breeze. **\$23.95**

YES! Please send me the books indicated below. Please add \$6 shipping & handling per book. Orders outside the U.S. add \$16 surface shipping per book. Check/MO must be in U.S. funds by a U.S. bank. Make checks payable to Publishers Development Corp. CA residents add 7.5% sales tax. Fax for airmail quote. 619-68114 ☐ Shooter's Bible - Latest Edition - \$23.95 ☐ Gun Trader's Guide - Latest Edition - \$23.95

☐ Check/MO Enc. \$ ☐ VISA/MC/DISCOVER Exp. Date Initial

Card No. Name

Address

City State Zip

Mail to: WBP-GB0114 • 581 Camino del Rio, Suite 200 • San Diego, CA 92108

Order Hot Line 1-800-628-9818 or Fax 619-297-5353

(resulting from known shooter error) and, if necessary, fire additional three-shot groups — do not unnecessarily dally while firing each group, but allow plenty of time for the gun to cool before firing each subsequent group.

When you retrieve your target, carefully mark it with sufficient information to ensure that you can identify the gun, load (including product number, bullet description and production lot number), distance tested, wind conditions, called fliers and other pertinent facts.

Now, if you have reason to believe the bore fouls badly, completely clean it before proceeding; if not, run a dry bronze bore brush, full-length through bore at least 10 times to remove gross powder fouling.

Repeat your fouling shot procedure and 25-yard zeroing, 100-yard testing and cleaning process for each load you want to test. Of course, when you're done, measure and record all groups and pertinent shooting information.

Doing The Data

Basic analysis of these groups is both objective and subjective. You will have to review your notes and consider how to properly judge the importance of each group. In general, consider the following factors.

Any aberrant results which were caused by a known shooter error should, of course, be disregarded. Consider fatigue factor, too — you might have been doing a better job early in the shooting session. Or, as your familiarity with the gun increased, you might have been doing a better job during later shooting. Any of these can mask the results of true ballistic performance if not evaluated properly. In addition, give more weight to targets where all groups are very similar.

After taking each of the above factors into consideration, select the load that seems to have produced the best results. After choosing the overall most accurate load, reinstall your hunting scope to establish zero and verify that it will properly hold its zero.

If none of the loads tested meets your minimum accuracy requirement, you might have to try a different bullet weight. Only if all of these factors fail to produce acceptable accuracy should you consider having a gunsmith work on the rifle.

After doing this expensive and time-consuming work, you might be inclined to hurry back to the sporting goods store and buy several boxes of the same ammunition that you just proved worked best in your rifle. Same production lot loads are apt to perform equally — different lots will probably shoot similarly, but “similar” is not “identical.”

This protocol entails a lot of effort, time and expense but it can be well worthwhile. It is reasonably common to find factory loads that will shoot very well in a particular rifle, but it takes a bit of effort to do so. Regardless, the associated practice will prove invaluable to any hunter. Very few hunters ever missed a shot because of too much quality practice.



Tech Force Air Guns

10% Off Special Scope Packages!



Tech Force 99

1100 FPS in .177 Cal/900 FPS in .22 Cal • Excellent trigger • C-T-C 0.13

w/3-12X44 adj obj scope, just \$230.76

w/out scope \$169.95

(\$256.40 value)
Save \$25.64



Tech Force 97

900 FPS in .177 Cal/700 FPS in .22 Cal • Excellent trigger • Underlever cocking

w/2-7X32 adj obj scope, just \$149.76

w/out scope \$99.95

(\$166.40 value)
Save \$16.64



Tech Force 25 plus FREE pistol

(\$29.95 value)

1000 FPS in .177 Cal/800 FPS in .22 Cal • Adj. Trigger

• Barrel break • Interchangeable front sight

w/4X32 adj obj scope, just \$181.45



Tech Force 36

900 FPS • 177 Cal • Underlever cocking

w/4X32 adj obj scope, just \$131.76

w/out scope, just \$89.95

(\$146.40 value)
Save \$14.64

Request a FREE catalog!

Shipped within 24 hours • 90-day warranty • Scopes and pellets available • Add \$10 S/H • KY, IN & OH residents add sales tax • ADULT air rifles cannot be sold to minors under 18.

COMPASSECO

151-G Atkinson Hill | Bardstown, KY 40004

Phone: 1-800-726-1696 | Fax: (502)349-9596

www.compasseco.com

LEGENDARY ARMS, INC.

P.O. Box 479- Three Bridges, NJ 08867-0479
Fax: (908) 788-8522 Phone: (908) 528-2767



Send \$5.00 for our 24-page color catalog of the finest reproductions of swords, knives, uniforms, leather equipment, canteens, insignias, etc. We specialize in the American Civil War.

We accept Visa/MC, Discover, AmEx, Checks, Money Orders. No C.O.D.s

Visit our website at:
<http://www.legendaryarms.com/>

U.S. Light Cavalry Saber
Item# 5006, \$129.00 • \$8.00 S/H
Tempered Carbon Steel Blade. Made in India.
(Free leather sword scabbard with order.)

PALADIN PRESS

Looking for practical information and real solutions for today's world? **PALADIN PRESS**



publishes books and videotapes on subjects such as: firearms, combat shooting, sniping, military and police tactics, personal/financial freedom, survival, and other subjects on the outer fringes of the First Amendment not

found in mail bookstores. **FREE CATALOG.**

<http://www.paladin-press.com>

1-800-392-2400. Response code: 14WT

Service



HECKLER & KOCH, INC.

21480 Pacific Boulevard

Sterling, Virginia 20166 U.S.A.

TEL 703.450.1900 • FAX 703.450.8160

www.hecklerkoch-usa.com

Ultramag 7mm And .375

From Remington

Remington has expanded its popular line of Premier Ultramag high-performance big game loads to include the 7mm and .375 calibers. The 7mm delivers an extremely flat trajectory with a 140 gr. bullet and produces 24 percent more energy than the standard Remington 7mm. Designed specifically for long range deer, sheep and antelope hunting, the .375 is a safari hunter's dream, producing 23 percent more energy than conventional the .375 with the same flat-shooting trajectory as a 150 gr. .270 Win. load. Remington Arms, 870 Remington Dr., Madison, N.C. 27025-0700, (800) 243-9700, FAX: (336) 548-7741, www.remington.com.



Wolf .40 S&W Ammo

From Wolf

Wolf Performance Ammunition is importing a new .40 S&W cartridge, manufactured in Russia by Tula Cartridge Works. The new .40 S&W is a 180 gr. copper-jacketed, steel-cased, non-corrosive cartridge that is Boxer primed for maximum effectiveness. Comes with 100 percent guarantee. Wolf Performance Ammunition, 7235 Bermuda Rd., Ste.E, Las Vegas, Nev. 89115, (702) 837-8506, FAX: (702) 837-9250, e-mail: info@wolfammo.com, Website: www.wolfammo.com.



New Sculptura

From SOG

The new Sculptura mini folder from SOG Specialty Knives is so compact it actually fits in the palm of your hand. The Sculptura weighs just 2.1 ozs. and measures only 4.75" overall with a 2" drop-point stainless steel blade. The ergonomic Zytel handle allows the user to quickly engage the blade with one hand. Comes with a backside clip for extended carry or for holding folded currency. SOG Specialty Knives, 6521 212th St., SW, Lynnwood, Wash. 98036, (425) 771-6230, FAX: (425) 771-7689, e-mail: sogsales@earthlink.net, www.sogknives.com.



NY City Classic

From DeSantis

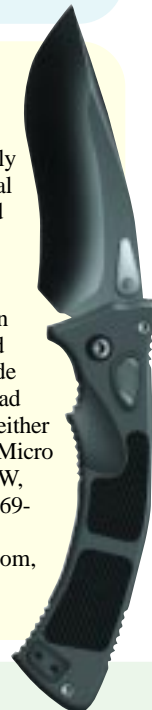
DeSantis introduces a new premium shoulder holster for semi-auto pistols, the Model 10D New York City Classic. The rig is manufactured from fine saddle leather with detailed molding and comes with an adjustable friction device for maximum security. The narrow shoulder harness and double pouch magazine are designed for performance and comfort. Available for Kahr, Smith & Wesson and Glock pistols. Send \$5 for a color catalog: DeSantis Gunhide, 149 Denton Ave., New Hyde Park, NY 11040, (516) 354-8000, FAX: (516) 354-7501, www.desantisholster.com.



Amphibian Folder

From Microtech

The Amphibian is a sturdy new folding knife that is perfectly suited for all sporting and tactical needs. Features include a curved stainless steel blade, hard coat black anodized handle with Krayton inserts and a stainless steel pocket clip. The Amphibian measures 4.80" when closed and 8.31" open. Blade options include boron carbide, black coating, bead blast or stone wash finish, with either plain or partially serrated edge. Micro Technology, 9332 36th Court, SW, Vero Beach, Fla. 32968, (561) 569-3058, FAX: (561) 569-7632, email: sales@microtechknives.com, www.microtechknives.com.



Field Hunter Shotgun

From Traditions

Traditions is importing the beautiful new Field Hunter O/U shotgun, manufactured by Fausti Stefano of Italy. The Field Hunter is available with a 26" or 28" chrome-lined barrel and is chambered for 3" loads in 12 and 20 gauge. Features include a checkered walnut pistol grip and standard forend, screw-in chokes, a single selective mechanical trigger, rubber recoil pad and extractors. Traditions Performance Firearms, 1375 Boston Post Rd., Old Saybrook, Conn. 06475, (860) 388-4656, FAX: (860) 388-4657, e-mail: info@traditionsfirearms.com, www.traditionsfirearms.com.



Site-N-Clean

From MTM

MTM Case-Gard introduces the new "Site-N-Clean," a versatile rifle rest that allows for instant access to all necessary maintenance accessories while in the field. Its patented, over-molded shooting forks and precision dialed read adjustment leg ensure maximum shooting performance. For a color catalog send \$2 to MTM Molded Products, P.O. Box 13117, Dayton, Ohio 45413, (937) 890-7461, FAX: (937) 890-1747, www.mtmcase-gard.com.



Retention Holster

From FTS

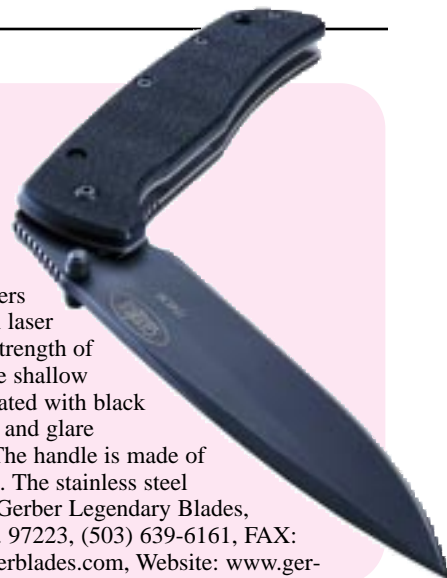
Frontline Tactical Systems has offers concealed carry permit holders a new lightweight synthetic holster specifically designed for maximum weapon retention, even under the most vigorous movement and activity. The Undercover Retention Holster is crafted from heavy-duty ballistic nylon laminate. It fits snugly to the body and accommodates all semi-automatic pistols. FTS, 1150 107th St., Arlington, Texas 76011-3109, (817) 649-2600, FAX: (817) 649-2641, www.frontlinetactical.com



Spectre Knife

From Gerber

The Spectre line of one-hand opening tactical folding knives from Gerber Legendary Blades is lightweight, mechanically sturdy and virtually impervious to solvents and other chemicals. The liners are crafted from titanium, precision laser cut and machined to deliver all the strength of steel at less than half the weight. The shallow drop-point stainless steel blade is coated with black titanium nitride, making it corrosion and glare resistant. The blade measures 3.5". The handle is made of fiberglass reinforced epoxy laminate. The stainless steel pocket clip has a black oxide finish. Gerber Legendary Blades, 14200 SW 72nd Ave., Portland, Ore. 97223, (503) 639-6161, FAX: (503) 684-7008, e-mail: sales@gerberblades.com, Website: www.gerberblades.com



ScopeSmith Boresighter

From Leupold & Stevens

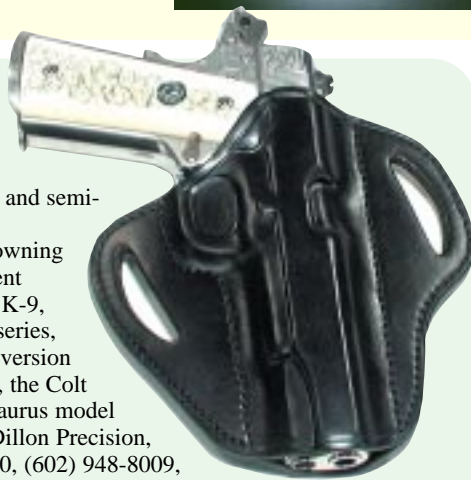
The ScopeSmith Magnetic Boresighter from Leupold & Stevens accommodates any firearm with a unique magnetic attachment system. The magnet will not damage the crown of the muzzle during use. Made of high-impact plastic it comes with a protective pouch and a Zero-Sure record card for easy reference in the field. It is self-contained, requiring no batteries or barrel spuds to operate and is compact enough to fit in a shirt or jacket pocket. Leupold & Stevens, P.O. Box 688, Beavertron, Ore. 97075-0688, (503) 646-9171, FAX: (503) 526-1475, www.leupold.com



Custom Pistol Holsters

From Dillon Precision

Dillon Precision offers a beautifully crafted line of custom fitted handgun holsters, including "The Master" for revolvers and semi-automatics. It accommodates most popular semi-automatics, including the Beretta, Browning Hi-Power, Colt Commander and Government model, Glock, Heckler & Koch USP, Kahr K-9, Kel-Tec P-11, Ruger P-90 series, SIG 220 series, Smith & Wesson and Taurus. The revolver version fits the Smith & Wesson, J.K and L frames, the Colt Detective Special, Ruger SP-101 and the Taurus model 85. The Master comes in black or brown. Dillon Precision, 8009 E. Dillon Way, Scottsdale, Ariz. 85260, (602) 948-8009, FAX: (602) 998-2786, Website: www.dillonprecision.com



New Mark V Rifle

From Weatherby

The new Mark V Dangerous Game hunting rifle from Weatherby comes in choice of 24" or 26" barrels and is available in .375 Wthby. Mag., .416 Wthby. Mag. and .460 Wthby. Mag. with a magazine capacity of 2+1. It is available in .375 H&H, .375 Wthby. Mag., 416 Rem.

Mag. and .458 Win. Mag. with a 3+1 magazine capacity. The rifle measures between 44" and 46" long, depending upon the caliber, and weighs between 8 1/4 lbs. and 9 1/2 lbs. The stock is a black hybrid composite and features a Monte Carlo-style raised comb. Weatherby, 3100 El Camino Real, Atascadero, Calif. 93422-2544, (805) 466-1767, FAX: (805) 466-2527, www.weatherby.com



for more
NEW PRODUCTS
visit our website

www.GUNSMAGAZINE.com

Classified ads \$1.00 per-word insertion. (\$.80 per-word insertion for 3 or more) including name, address and phone number (20 word minimum). Minimum charge \$20.00. **BOLD WORDS add \$.65 per word.** Copy and rerun orders must be accompanied by **PAYMENT IN ADVANCE.** **NO AGENCY OR CASH DISCOUNTS ON LISTING OR DISPLAY CLASSIFIED ADVERTISING.** All ads must be received with advance payment BY NO LATER THAN THE 1st OF each month. **EXAMPLE:** Closing for DEC. 2000 issue (on sale NOV. 5th) is SEPT 1st,

2000. Ads received after closing will appear in the following issue. Please type or print clearly. **NO PROOFS WILL BE FURNISHED.** Include name, address, post office, city, state and zip code as counted words. Abbreviations count as one word each. Mail to GUNS MAGAZINE CLASSIFIEDS, 591 Camino de la Reina, Suite 200, San Diego, California 92108. **NOTE: WE NOW HAVE DISPLAY CLASSIFIEDS IN BOTH GUNS MAGAZINE AND AMERICAN HANDGUNNER. ASK FOR OUR NEW RATE CARD. (619) 297-8525.**

ACCESSORIES

LEATHER JACKETS! FREE BROCHURE. BOX 1222GM, ANDREWS, TEXAS 79714. (915) 523-4389.

CLIPS, GRIPS, LASERS, HOLSTERS, BOOKS & VIDEOS. Two Great Websites:
www.gunaccessories.com &
www.booktrail.com.

GUN PLATING & ANODIZING

Hard Chrome (Bright or Satin), Electroless Nickel, Parkerizing, Teflon, Black Hard Anodizing, Bluing (stainless). We Specialize in firearms. References Available.

FREE SERVICE BROCHURE 1-800-375-2846

TechPlate, Inc.

1571-H S. Sunkist St., Anaheim, CA 92806

(714) 634-9254 www.techplate.com FAX: (714) 634-9382

THE RINGO

100% American made individually hand-crafted made from the finest vegetable tanned leather Black Hill Leather fashion their holsters after those worn in the late 1800's

MODEL
BH225

ONLY
\$209.95



Each rig is custom made, fully lined and available in Natural Russet, Dark Chestnut and Black

Send \$3 for color brochure

RUDY LOZANO
Black Hills Leather

410 West Aurora, Laredo, TX 78041
Tel: 956-712-9434 Fax: 956-712-8330
"Big Sugar" SASS #5589, Founder
Website: www.blackhillsleather.com

LITE MOUNT
TECHNOLOGIES®

(509) 758-7251

P.O. Box 399, Clarkston, WA 99403



Tactical Shotgun Mounts
Flashlight-laser combination
or Flashlight mounts.
Unique one piece design.
6061-T6 aluminum
Fits extended or large capacity
magazine tubes.
1" or 26mm diameters

Patent Pending

HARD CHROMING

We Only Do Firearms • Specialists in Hard Chroming
Blue, Nickel, Parkerizing, Anodizing

www.checkmatecustom.com

CHECKMATE™
Custom Gun Refinishing

370 Champion Dr. • Brooksville, FL 34602
(352) 799-5774

Mernickle Custom Holsters

www.mernickleholsters.com
Email: sales@mernickleholsters.com

This unique concealment holster is designed for quickness and compactness. It is hand made, hand molded and IDPA approved. The P56 is our most popular concealed carry holster to date. It is also one of the highest ride belt carry holsters on the market today. The P56 comes with a unique paddle device that goes behind the belt to stop the famous tip out associated with high ride holsters. **Starting at \$89.95**



52552 Robcat Drive
Mission, B.C.
Canada V2V 6L1
Tel: 604-825-8534
Fax: 604-826-0518

Starting at \$289.95

Mernickle Custom Holsters makes one of the largest varieties of western holsters in the market place including the CAS-6 as shown. Each holster is custom measured to ensure a perfect fit to the user each and every time. Check out our full line of Western holsters including Shoulder rigs.

CORONADO
Manufacturers of Quality Custommade Leatherware

Safe and responsible self protection is what Coronado is about. Our high-quality line of handgun concealment leatherware products for men and women is now featured in our new 16-page color catalogue.

Call Coronado today for your free copy of our 1998 catalogue.

CATALOGUE REQUEST LINE:
1-819-435-1868
WWW.CORONADOLEATHER.COM

© 1998, Coronado Leather Co.

20th Anniversary Sale

FREE Catalog

BLUE RIDGE Machinery & Tools
PO Box 536-G,
Hurricane WV 25526
800-872-6500
www.blueridgemachinery.com

Turbo Carver II-----450,000 RPM
Precision Inlaying, Scrimshaw, Engraving & Carving Instrument

NO DUST, NO FUMES, NO STRESS—the new "MAINTENANCE FREE" Turbo Carver II, is now available with optional "MIST WATER SPRAY"

ULTRA SPEED PRODUCTS, INC.
18500 E. ASCHOFF, ZIGZAG OR 97049
1-800-373-0707 FAX 503-622-3252
<http://www.turbocarver.com>

Complete Lathe Free handpiece system, S & H Inc.—\$217
Complete system with Water Spray, S & H Inc.—\$337
Demo video available for a refundable—\$14 + \$3 S&H

All in one place.

Guns.
Gear.
Goods.
Great!

hunters.com

TEXAS GUNSLINGER
Quality Gun Leather
The "Vaquero" Rig

Hand-tooled floral Tan

- Large stock to ship from
- Satisfaction Guaranteed
- Soft Suede Lined
- American Quality Saddle Cowhide

\$149.95 (\$49.95) • \$224.95 (\$64.95)
(800) 125-8891 (800) 128-8891

TO ORDER SPECIFY JEAN SIZE, MAKE-MODEL OF GUN, CALIBER, BARREL LENGTH, ADD \$6 S&H. TEXAS RESIDENTS ADD 7.75% \$2.00 FOR COLOR CATALOG. TEXAS GUNSLINGER, 2627 S. COOPER, C-21, DEPT. HG, ARLINGTON, TX 76015 • 817-460-3840 • FAX 817-612-4440

AMMUNITION

Bonded Core Bullets
Corbin's Core Bond: used to make the world's finest hunting bullets for over 25 years. Molecular diffusion bonding: the method used to make micro-chips (not glue or solder). Just 2 drops/bullet for nearly 100% retained weight



\$6/2-oz
\$30/pint
47 s&h

World leader in Bullet Swaging systems

Info #1 • Handbook #13 • 7-Book Pak #67 perUSA

CORBIN Visa/MC Welcome!

PO Box 2659, White City, OR 97503

Phone 541-826-5211 Fax 541-826-8669

www.swage.com sales@corbins.com

BOOKS

www.gunbooksales.com

BUSINESS OPPORTUNITIES

LET THE GOVERNMENT FINANCE your small business. Grants/loans to \$2,200,000.00. (www.usgovernmentinformation.com). Free recorded message: (707)448-0270. (JR4)

EASY WORK! EXCELLENT PAY! Assemble Products at Home. Call Toll Free 1-800-467-5566 EXT. 2721.

FIREWORKS

FIREWORKS CHEMICALS !!! POTASSIUM PERCHLORATE, POTASSIUM CHLORATE, NITRATES, ALUMINUM, MAGNESIUM, TITANIUM POWDERS. COLOR PRODUCERS, 100's of chemicals, WATERPROOF FUSE, PAPER TUBING/MAKE ROCKETS, SMOKE GRENADES, NOISE MAKERS ETC./ HOW-TO BOOKS, VIDEOS, ROCKET MOTOR KITS! LAB ACIDS, SOLVENTS, GLASSWARE, "GREAT PRICES" BULK DISCOUNTS. CATALOG \$3.00: PYROTEK, P.O. BOX 300, SWEET VALLEY, PA 18656. (570)256-3087. WWW.PYROTEK.ORG

FOR SALE

DISCOUNT CIGARETTES NATIONWIDE. Every brand. Plus cigars, snuff, roll tobacco, etc. Shipped to your door from Native Indian Territory. Pay no state or federal taxes. Order online or by phone. Call toll-free: 888-388-1964. Earn money as an affiliate. Send \$4.00 for affiliate package: TIC International, Box 218650-CA, Houston, Texas 77218. Order online: CigarettesAmerica.com

GUN PARTS

Para-Ordnance Pro Shop

Complete inventory of Factory Original Replacement Parts Complete 10 Round Magazines Fobus Holsters

We Feature:

- Replacement High Capacity Mag Bodies
- Springs
- Bases
- Eze-Loaders

Original High Cap Replacement Magazine parts United States Parts Para-Ordnance Clothing, Hats, T's, Shorts, Polo's and more

215-322-9227 Phone
215-322-9223 Fax
1300 Industrial Hwy B-3
Southampton, PA 18966
www.itsms.com
craig.51454@aol.com

GUNS FOR SALE

PRIVATE COLLECTION. FOR LIST (FREE). PHONE 706-376-3082. FAX 760-376-1252. JAKE, BOX 234, KERNVILLE, CA 93238.

ANTIQUE/COLLECTIBLE GUNS. "Dispatch" illustrated mail order catalog \$5, subscription \$35. We buy collections. Consignment, auction, appraisal. Old Town Station Ltd, POB 14040, Lenexa, KS 66285. Jim Supica, President. (913)492-3000.

INSTRUCTION

Gunsmithing School, Troy, N.C. offering associate degree. NRA short-term Gunsmithing and Knife making seminars. Ask about Taxidermy program. (800) 839-6222. www.montgomery.cc.nc.us

Be A... PRIVATE EYE

Have a life of intrigue, excitement, adventure! Learn from the **REAL** experts:

Investigation • Surveillance • Skiptracing
Start Your Own Business
State Approved • Diploma Awarded

Free Brochure! Call Or Write: United States Academy Of Private Investigation
P.O. Box 2133 (GM)
Beverly Hills, CA 90213
(310) 657-6333

VISIT OUR SPY SHOP

"On The World Wide Web"
www.spytechagency.com
"On The Sunset Strip"
8519-8521 W. Sunset Blvd.
West Hollywood, CA 90069

- Web Site Features -
PI Agency • PI Academy • Spy Shop
Online over 2500 investigation-surveillance countermeasures products, books & videos!!

Be a PRIVATE EYE

You WILL learn, at home, secrets from a **World Famous P.I.**
Best Course - Lowest Cost!
FREE Call: 888-337-8839
GLOBAL INVESTIGATION, Suite 41
535 N. Farms Rd., Northampton, MA 01062

Be a DETECTIVE

Explore a secret world! Fascinating new career! Experience a new adventure every day.
Dynamic home study course.
Diploma, Badge, State approved.
FREE DETECTIVE CAREER INFO.
1-800-742-9007 Dept. 303
www.detectivetraining.com

#GPC

Be A Gun Repair Professional
100% Guaranteed!
Fast and Easy
At Home Video Instruction

Learn to repair and customize Pistols, Revolvers, Rifles and Shotguns.

For Free Information Call
800-797-0867
AGI www.americangunsmith.com
American Gunsmithing Institute

MILITARY SURPLUS

US Military Equipment & Camo!

Discount Catalog. Lowest prices any place, over 130 items. Packs, Web gear, Helmets, Knives, Mag pouches, Boonie hats & more.
\$2.00 for refundable catalog, OLCG, POB 1618, Alamogordo, NM 88311-1618 check out our on line catalog, www.sleket.com



MISCELLANEOUS

LET THE GOVERNMENT PAY for your new or existing home. Hundreds of programs available. (www.usgovernmentinformation.com). Free recorded message: (707)448-3210. (8JR4)

CONFIDENTIAL CATALOG of Police and Investigation Equipment \$2., IPEC Department G900, P.O. Box 7240, Moreno, California 92552.

INVENTORS: Do you have an idea for a new or improved product? Let us help you submit to industry. Patent services. Call toll free 1-888-439-IDEA.

Indoor Targets - Silhouette, Varmints, Small Game, Sighting, Bullseye - Scaled 50 ft (\$5.95 per 20 plus \$1.00 S/H) Specify set. Check or MO to: Neil Terrell, at PO Box 66370 Dept G, Chicago, IL 60666-0370.

CONCEALED WEAPONS License Identification Badge. Finest quality, made to order with your License Number. Catalog Free. Seven Seas, 824 Symphony Isles Blvd., Dept. 38, Apollo Beach, Florida 33572. Phone 813-645-2621, Fax 813-641-1721. badge0@seven-seas-shields.com; http://www.seven-seas-shields.com

OPTICS

OPTIMA 2000 BY TASCOS. 4 OR 8 MOA DOT, FREE WEAVER MOUNT INCLUDED **\$149.95**. MOUNTS FOR GLOCK, COLT 1911, SIG, BERETTA **\$39.95**. M/C OR VISA (317)326-7825. www.indyo optics.com

US NIGHT VISION - High quality night vision at the most competitive pricing. Night Vision Goggles, Monoculars, Night Vision Weapon Sights, Camera Adaptable Night Vision. We carry all major brands and manufacturer our own exclusive line. **CALL FOR YOUR FREE CATALOG 1-800-500-4020**. Visit us on the web at www.usnightvision.com. US Night Vision Company, 5122 Bolsa Avenue, Suite #103, Huntington Beach, CA 92649. 714-901-2626. Fax 714-899-4485.

RifleScopes.com
(972)-223-0500 8-5 est
S.W.F.A., Inc.
Thousands of Optics available to ship TODAY

POLICE EQUIPMENT

LAW BADGES and patches. Send \$2.00 for list or \$8.00 for 12 monthly lists. BPEC Department G3000, BOX 7240, Sunnymead, California 92552-7240.

REAL ESTATE

GOVERNMENT LAND now available for claim (including agricultural). Up to 160 acres/person. (www.usgovernmentinformation.com). Free recorded message: (707) 448-1887. (4JR4)

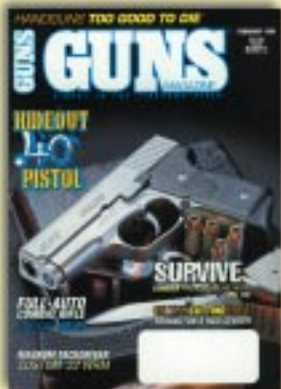
5 Acre Parcels Btwn. Elko & Wells Nv. from: **\$5,950.00** \$75 dwn, \$75 month. Incl. 9.5% int., Trust & Service fee (No Cr. Qualifying) Surveyed & Staked, Gravel Road Access. **Toll Free 1-800-240-6847**.

ADVERTISER'S INDEX

ADVERTISER	PAGE	ADVERTISER	PAGE
Accurate Arms	59	A.G. English	59
Airgun Express	71	European American Armory	84
American Sales & Mfg.	59	Flash Distributing	66
AO Safety Peltor	8	Fort Knox Security	71
Bagmaster	62	Franklin Mint	15
Baird Co.	56	Gage Gun Leather	71
Benchmade Knife	28	Glock Inc.	83
Benelli	5	Groves Edge Inc.	72
Bond Arms	55	Gun Parts Corp.	56
Browning	7	Heckler & Koch	71,73,75
Camillus Cutlery	59	Heritage Building Systems	73
Casull Arms	57	Hodgdon Powder	21
J.A. Ciener	14	Hogue Grips	63
Clark Custom Guns	57	HydraStorm	2
Colorado School of Trades	74	Jantz Supply	19
Compassco	75	Kel-Tec	31
Conetrol	74	Knife Outlet	73
DCG Inc.	70	Law Concealment	56
Defense Security Products	30	Lee Precision	27
Emerson Knives	70	Legendary Arms	75

ADVERTISER	PAGE
Mag-na-port Intl	54
Masters of Defense	3
Michael's of Oregon	17
Millett	58
Mitchell's Mausers	22
MPS Co.	73
MTM Molded	54
North American Arms	23
Paladin Press	75
Pearce Grip	72
Preslik's Gunstocks	59
Randall Made Knives	62
Savage Arms	29
Shooters Online Services	79
Sierra Bullets	27
Sigarms	9
Sinclair Int'l	62
S & K Scope Mounts	73
Springfield Inc.	14
US Firearms	17
Walther USA	55
Dan Wesson Firearms	63
Wilson Combat	54
Zanotti Armor	74

DON'T MISS AN ISSUE



ORDER BY FAX

GUNS MAGAZINE

all year for only \$19.95

When you want the latest news on gadgets, guns and gear - turn to GUNS Magazine every month.

☐ 1 Year \$19.95 (Single copy \$47.40) ☐ 2 Years \$34.95 (Single copy \$94.80) ☐ 3 Years \$46.95 (Single copy \$142.20)

Outside U.S. add \$15 per year. Allow 4-6 weeks delivery.

Or Mail to:
GUNS MAGAZINE
591 Camino de la Reina,
Suite 200
San Diego, CA 92102

HA5-GS001

☐ Bill my MC/Visa/Discover No. _____
Exp. Date _____ Initial _____ ☐ Check/MO Enclosed (only if mailing)
Name _____
Address _____
City _____ State _____ Zip _____
E-mail Address _____

TO ORDER BY FAX, SEND TO: (619) 297-5353

BUY FOUR SAVE MORE!

Get all four of these Special Editions and Save \$7.85! Individually they'd cost you \$39.80.
You can get them all through this offer for only \$31.95!



A LOOK INSIDE:

- TAC-Load: Keep your handgun fully loaded and up and running.
- Kimber .40: Here's accuracy and reliability right out of the box.
- Adjustable Sights: Got problems fine-tuning your sights?
- 2000 Catalog of Currently Manufactured Handguns.

FN FORTY - NINE Massad Ayoob

This pistol, with second-strike capability, is not just another entry in the plastic-pistol sweepstakes!



SIXGUNS OF COWBOY ACTION SHOOTING

John Taffin



These guns of the 1800s still tame the West in modern competition.

\$9.95 (outside U.S. \$12.95)



A LOOK INSIDE:

- Gunfighting Secrets Of The Samurai.
- Evolution Of A Shooting Stance.
- 14 Grasps Of The Knife.
- Big-Bore Webleys
- 2000 Catalog of Currently Manufactured Handguns.

M9 BERETTA COMBAT READY! Charles W. Karwan

The U.S. service pistol underwent extensive testing and modification to become a top fighting handgun.



DEFINING HK'S USP

Massad Ayoob



Exceptional performance gains this semi-auto the title of Uptentiously Supeb Pistol

\$9.95 (outside U.S. \$12.95)



A LOOK INSIDE:

- Best Buy Handguns.
- Concealed Carry Comfort.
- Long Guns Of Cowboy Action Shooting.
- Excellence In Leather.
- Classic Fighting Handguns Of All Time.
- 2001 Catalog of Currently Manufactured Firearms.

HOUSE OF KAHRS Massad Ayoob

Full-power, yet pocket-size, these innovative pistols are respected and used by professionals and armed citizens.



THE REMINGTON 700

Clair Rees

After 38 years, this classic bolt action is still America's favorite rifle.



\$9.95 (outside U.S. \$12.95)



A LOOK INSIDE:

- Bullets And Blades: Ten tips from the masters.
- Navy Seal Weapons In Vietnam.
- Combat Handgun Retention.
- Virtue Of The Sword.
- 2001 Catalog of Currently Manufactured Firearms.

THE STONER AGE Robert Bruce

The Seals relied on the Stoner light machinegun more than any other weapon in 'Nam.



COUNTERSNIPER TECHNOLOGY

Charles E. Petty



Tactical rifles are better today than ever for the demanding combat marksman.

\$9.95 (outside U.S. \$12.95)

YES! I want to order the following Special Editions while supplies last.

☐ Handgunner \$9.95 ☐ Handgunner \$9.95 ☐ GUNS \$9.95 ☐ GUNS \$9.95 ☐ ALL FOUR ONLY \$31.95
2000 Annual 2001 Tactical Annual 2001 Annual 2001 Combat Annual You Save \$7.85 (outside U.S. \$41.95)

Orders outside the U.S. add \$3.00 per Annual H86-GA008

☐ Check/MO Enclosed \$ ☐ Visa/MC/Discover

No. _____

Exp. Date _____ Initial _____

Make checks payable: Publishers' Development Corp.

Mail to: PDC • P.O. Box 639033 • San Diego, CA 92163-9033

Name _____

Address _____

City _____

State _____ Zip _____

COMPLETE YOUR
GET ALL FOUR
ONLY \$31.95
COLLECTION

Today's Top 10 List: **Crime & Guns**

Listen to anti-gun politicians and lobbyists, and if someone were to ask you to write a list of the "causes" of crime, you might be inclined to put guns right up there near the top. Interestingly, somebody in the FBI recently decided to do just that — devise a list of the factors which contribute to crime. Since the FBI knows a thing or two about crime and criminal behavior, you'd expect them to have a pretty good grasp of the causes. Here, then, are the top 10 causes of crime, according to America's number one law enforcement agency:

- Population density and degree of urbanization.
- Variations in composition of the population, particularly youth concentration.
- Stability of population with respect to residents' mobility, commuting patterns and transient factors.

- Modes of transportation and highway systems.
- Economic conditions, including median income, poverty level and job availability.
- Cultural factors and educational, recreational and religious characteristics.
- Family conditions with respect to divorce and family cohesiveness.
- Climate.
- Effective strength of law enforcement agencies.
- Administrative and investigative emphases of law enforcement.

You'll note that nowhere on that list — compiled right off of the Bureau's own "Uniform Crime Report" — is there any mention of "access to firearms." Maybe everyone who claims that gun-control laws will help solve the crime problem should take a cue from the people whose job it is to investigate real crime.

PRO-GUN Book Report

Editorial offices are usually flooded with books from small publishing houses sent in for review. Unfortunately, most of these books are more suited for doorstops and paperweights than for actual reading material. Needless to say, we were pleasantly surprised recently to find one that is the exception to the rule.

The book is called *Lever Action* — a title we don't entirely understand, considering it's a series of essays on politics and liberty. The book is written by L. Neil Smith, who claims to be a "renowned science fiction author," although we read a fair amount of science fiction, and we've never heard of him.



But no matter — if you get past the strange name (and the even stranger artwork on the cover) you'll find a batch of darned entertaining writings on everything from gun ownership (including a chapter explaining why any politician who supports a gun ban should be put in prison) to the politically correct crusade against smokers (don't miss the discussion regarding why every non-smoker should own — and carry — a pipe).

Lever Action retails for \$24.95, but, as you might expect, this book isn't exactly available at your local Borders store. To get a copy, call Mountain Media at (800) 244-2224, or visit them on the web at www.thespiritof76.com.

DOIN' THE NUMBERS

660,000

Guns surrendered to the government of Australia by its citizens as a result of that country's five-year campaign to toughen its gun laws.

\$400 Million

Spent by the Australian government to compensate owners who surrender their guns — a sum that was paid for by a "one-time" hike in the income tax rate.

(Source: Handgun Control Inc. news report)

39, 26 & 19 Percent

Increases in the rates of armed robbery, armed assault and gun-related homicide, respectively, in Sydney, Australia since the new gun laws went into effect.

(Source: Sydney Morning Herald)

It's For Your Own Good

Britain's struggle to control an outbreak of foot-and-mouth disease has been forefront in the news for several months. What hasn't been heard is that this epidemic has also been the catalyst for the latest round of British gun confiscation.

According to a report in *The London Times*, police are keeping an eye on livestock ranchers for signs of "emotional distress" as they are ordered by their government to destroy thousands of head of valuable cattle, sheep and swine. Any ranchers who look as though they may be

despondent, the report states, will have their legally owned shotguns confiscated to prevent them from committing suicide.

Police say that, at the moment, most of the guns are being taken away "on an unofficial basis," although in one case the police entered a farmhouse and removed a weapon by force from a "distressed license holder" in Devon. Until the foot-and-mouth crisis passes, it seems that ranchers who want to keep their guns had better put on a happy face for the government.



QUOTE of the MONTH:

"The hunter is the arch-type of freedom. His well-being rests in no man's hands save his own."

— Theodore Roosevelt

All Weather, All Purpose, All World... All GLOCK!

It's A Big World...

*...and big worlds demand
superior performance.*

With 10 + 1 round capacity in 10 mm or .45 Auto, it's easy to see how the new GLOCK models 29 and 30 are once again setting the world-wide standard for compact automatic pistols. And, as with all GLOCK pistols, out-of-the-box accuracy and reliability assure that you'll put each and every shot where you need it - ON TARGET.

Introducing the
compact **GLOCK 29**
and **GLOCK 30**



PERFECTION

It's A Small World...

*...and small worlds have
exacting limitations.*

Compact, concealable, and packed with GLOCK features, the G29 and G30 can go where other 10's and .45's can't. Both come equipped with GLOCK's recoil-taming, light-weight polymer frame construction, finger gripped front strap and ambidextrous thumb rests to make these new compacts more ergonomic than ever before. GLOCK's corrosion resistant Tenifer finish leaves them diamond hard and ready for anything. And, these diminutive heavy hitters accept the standard size magazines of their larger counterparts - a big selling point for law enforcement officers and citizens alike.

Contact your local GLOCK Stocking Dealer today, pick one up, and see for yourself how GLOCK Perfection makes a small world so big.

MEET THE FAMILY



Big Sister IZH43 SxS, Features: hammer forged barrels, machined steel receiver and mono block, checkered stock and forend, chrome line barrels, auto tang safety and she is ready for SxS action with a SRP of \$439 and she is available in the following calibers of 12ga, 16ga, 20ga, 28ga, 410ga.



1st Cuz IZH27 O/U, Features: engraved receiver, automatic tang safety, full vent rib, chrome lined barrels, rubber butt pad, walnut stock and forend, ejectors, elegant lines and shape and she is over the competition in features and quality but under in price, SRP is under \$569. Calibers for 1st Cuz IZH27 (12ga, 16ga, 20ga, 28ga, 410ga).



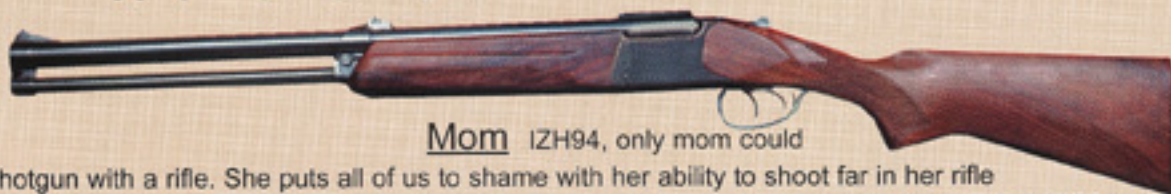
Little Brother MP133 Features: dual action bars, hammer forged hard chrome lined barrel, walnut stock and forend, rubber butt pad, 3 screw steel shot choke tubes, full vent rib, bolt locks open on the last round and little brother eats (12ga 3 1/2", 12ga 3" and 12ga 2 3/4") with a SRP under \$299.00



Pappy MP-153 is like no other 12ga 3.5" semi auto shotgun you have ever seen. With his patent pending self regulating / adjustable gas exit valve, he can go from light loads to heavy loads without conversion kits, unlike his competition. He consumes 12ga (2 3/4", 3" and 3 1/2") in one mag tube mixed or matched. Pappy MP-153 also allows the user to fine tune his function to most any 12ga production ammunition made today. Features: hammer forged, hard chrome lined barrel, walnut stock and forend, rubber butt pad, full vent rib, SRP \$ 539.00



Little Sister IZH18MAX has all the single barrel shotguns chasing her. Little sis has 3 screw chokes, walnut stock and forend, full vent rib, polished nickel receiver, selectable ejector/extractor, rubber butt pad and a unique decocking system. You will find little sis in the following gauges 12ga, 20ga, 410ga with a SRP of under \$ 199.00



Mom IZH94, only mom could combine a shotgun with a rifle. She puts all of us to shame with her ability to shoot far in her rifle barrel and near in her shotgun barrel. She comes in 12ga /3" (223, 30-06, 308, 222, 7.62x39, 6.5x55) or 20ga /3" (22mag, 22lr) and she has two triggers, hammer forged barrels, rubber butt pad, 3 screw chokes, walnut stock, walnut forend, 11mm scope rail and her SRP is under \$569.

EUROPEAN AMERICAN ARMORY CORP.

Send \$3 for current full-color catalog. Dealers send FFL, retail tax certificate and phone number.

P.O. Box 1299, Sharpes, FL. 32959 • Ph: (321) 639-4842 • Fax: (321)639-7006

Web Site: WWW.EAACORP.COM • E-Mail: EAACORP@BV.NET