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The first production run of the AR-7 in .22 Rimfire, Long Rifle caliber is now available to fill individual orders from civilian sportsmen. Its unique compactness and extremely lightweight make it ideal as a small game, predator, target and plinking weapon for hunters, campers, travellers and private pilots. Latest member of the world’s most advanced family of military and sporting weapons, the AR-7 utilizes high grade steel in its firing mechanism and bore, but incorporates the latest technology in exotic light alloys and fiberglass to achieve the weight and assembly features. The many design innovations will be of especial interest to firearms experts and collectors.

For many years the Armalite Division of Fairchild Engine and Airplane Corporation has been designing and producing advanced military firearms for governments throughout the world. All Armalite production is keyed to the rigid specifications demanded in modern military weapons. The following are two of the models which demonstrate the latest advances in small arms logistics. Both are .308 NATO caliber with major parts completely inter-changeable not only from rifle to rifle but between rifle and machine gun. These weapons are at present available only to friendly foreign powers.

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A one-man load allowing belt fed machine gun firepower at less than the weight of automatic rifles in previous conflicts. In mobile situations it feeds from a back pack, allowing a single man to operate.

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A 20 cartridge capacity semi- and full-automatic assault rifle weighing less than eight pounds with advanced balance and recoil characteristics which allow it to be fired with one hand. Click adjustable sight is protected and built into carrying handle. The gas operated AR-10 embodies modern light alloys and fiberglass except in the actual firing mechanisms to achieve its unprecedented low weight.

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118 East 16th Street, Costa Mesa, California

Firearms dealers and jobbers please inquire.
THERE WERE TEN basic rights which, we are told, the founding fathers agreed to attach as amendments to the Constitution of their authorship so that it would be ratified and accepted as the law of the land.

It is significant that the second of these amendments, known collectively as the "Bill of Rights," cites the "right of the people to keep and bear arms."

Considering the circumstances of that historical period, it is easily understandable that the need of a "well-regulated militia" should be mentioned in connection with that right. It is interesting, however, that there is no stipulation that those who "keep" arms must use them only for purposes of the militia. (Emphasis supplied.)

In my opinion, that right is just as important to us today, as individuals and as a democratic society, as it was to our forefathers. We have, of course, a permanent military force that stands ready to defend our boundaries against foreign attack and, in most communities, a trained police force obviates the necessity that each family be ready to defend itself by use of arms. Nevertheless, there are still occasions and areas (and unfortunately not just in isolated, non-populated places) where one might have to serve as his own "militia" in numerous emergency-type situations.

Further, personal ownership and knowledge of guns have made thousands of citizens valuable members of the National Guard, military reserve units, and Civilian Defense Corps groups. These organizations have, of course, been declared by law to be vital to the strength, safety, and general welfare of our nation.

In protecting the constitutional right to possess and carry arms, we must not overlook the need for a broader program of safety education in the handling of firearms to help reduce the tragic loss of life and great number of injuries.

FURTHER, personal ownership and knowledge of guns have made thousands of citizens valuable members of the National Guard, military reserve units, and Civilian Defense Corps groups. These organizations have, of course, been declared by law to be vital to the strength, safety, and general welfare of our nation.

I BELIEVE THE Constitutional right of the people "to keep and bear arms" is still significant in today's world of atomic bombs and guided missiles. In a limited atomic war, the possession of small arms would enable our citizens to resist invading troops more effectively.

World War II dramatized the importance of the citizen's right to keep and bear arms. The list of licensed gun-owners in the town halls of conquered Western Europe enabled the Nazis to more easily combat the underground. And one of Churchill's most urgent requests of the United States was for the shipment of a half-million .30 rifles for the Home Guard.

But a somber responsibility goes with our Constitutional right to keep and bear arms—the responsibility for stringent safety measures and proper instruction in their use.

Readers' Note: All Congressmen may be addressed as "House Office Building," and all Senators as "Senate Office Building," both at "Washington 25, D. C."
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THE COVER
Firepower for soldiers and the gun-fun story of Lucky McDaniel tie in with issue of M-14 rifles to 101st Airborne at Fort Campbell, Ky. "Firepower," story of M-60 machine gun is GUNS exclusive review. But Lucky's own story will help you improve skeet scores, get more fun from gun sports, and may aid in using M-14 just released to civilian marksmen through the D.C.M.
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Med. Heavy Weight 26"—4 lbs. 4 ozs.
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Rare Circassian Walnut—Imported from Turkey. For the first time in many years we now offer this distinctively attractive, light weight, yet very close grained walnut. Takes smooth finish and sharp checkering. No other wood compares with Rare Circassian Walnut for stock making. Turned and semi-inlleted Circassian Walnut stocks, $16.50 to $60.00—Mannlicher length $5.00 additional. Rifle blanks $15.00 to $75.00. Shotgun blanks $10.00 to $50.00. Pistol grip blanks (pair) $2.50 to $7.50.

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REINHART FAJEN, Dept. 19, Box 338, WARSAW, MISSOURI

You'll want GUNS QUARTERLY in your library.

LEWISTON, IDAHO: Through the cooperation of Dick Speer of Cascade Cartridge Inc., and the Cascade Television Co., live trap shoot­ ing was TV'd from the grounds of the Lew­ iston club to hundreds of thousands of resi­ dents of northern Idaho and eastern Wash­ ington. The program drew high viewer rat­ ings. The camera covered the whole line of shooters, with close-ups of interesting indi­ vidual competitors. The members reported that the TV exposure did not bother them nor hurt their scores.

HOLLYWOOD, CALIF.: A fighting mad Gene Autry, miffed at TV Western heroes who claim they can outshoot singing cowboys, offered to bet $10,000 a 16-year-old boy working for me can outdraw and outshoot any TV actor. Anyway, Autry said, "I've always thought the quick draw was over­ rated. I tried to sing myself out of situ­ ations, rather than shoot my way out."

A dry, roasted bird is a thing of the past in Argentina, according to Veterinary Medi­ cine Magazine. An hour before a bird is slaughtered, it is force-fed a tablespoon of cognac. The bird relaxes and tensions dis­ appear. Cognac adds a slightly extra zest to the flavor of the meat. Hunters have one problem: how to administer a toddy to a scary grouse or wary pheasant. We suggest a bit of sal t on the tail to pin the bird down. If this fails, #6 or #17 shot, liberally applied, may turn the trick. If all else fails, shoot and dress bird, present to wife for cooking, take off boots by fireplace, force­ feed cognac to self.

ECLECTIC, ALA.: Two bandits kidnapped Eclectic's police chief, then forced Cashier Barker to open the Bank of Eclectic. Then they held the police, the banker, Barker's wife and small daughter, at gun point for an hour until a time lock would open the bank vault. James Franklin Bray, one of the bandits, forced Police Chief Maxie Taunton to go with him to find ad­ hesive tape with which to bind the captives. In their absence, banker Barker offered William D. Hayward, the other bandit, a cup of coffee. When Hayward held out his cup for filling, Barker threw the pot of boiling coffee over him, then grabbed his gun. When Bray returned with police chief Taun­ ton he was covering the officer with drawn gun. Fearing that a challenge would cost the officer his life, Barker fired. The gun he had taken from Hayward was a 16 gauge shotgun. The charge hit Bray in the chest, killing him. In an ensuing scuffle, Barker shot the other bandit, Hayward, in the leg. Barker has other non-banking connections. He is a National Guard captain and a fire­ arms instructor.
**ZOUAVE RIFLE**

*Made by Navy Arms Co.*

At last a modern precision-made muzzle loading rifle for the collector and shooter. This weapon is an exact reproduction of the popular Remington Model 1863 rifle, which was prized by Crack troops during the Civil War and acknowledged as the most accurate muzzle loading military rifle of its time. This faithful reproduction combines the color of all brass mountings, beautifully blued barrel, and color case hardened lock.

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This hard-hitting .44 Cal. revolver is a faithful reproduction of the popular .44 Cal. Remington Army revolver, issued during the Civil War to both Northern and Southern Cavalry units. With its top strap, it gives the added strength and durability needed with heavy .44 Cal. loads. Prized by target shooters and collectors alike, the New Model Army revolver is furnished in a lustrous blue with walnut grips.

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**HOLSTER** — exact copy of Civil War regulation issue Holster — made of top grain heavy leather with stitched bottom. Price: $9.95

**POWDER FLASH** — designed to throw the exact charge for all Navy Arms Co. revolvers. Copper body with brass fittings. Price: $20.00

In sterling silver. Price: $90.00

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CW Cannon Ball, 3" .......... 5.00
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Prices do not include postage.
Bannerman catalog, 1955 edition, $2.00 postpaid

BANNERMANS'S SONS, Inc.
Box 26, Blue Point, L. I., N. Y.

Colt Single Action .357

Colt announce that they are again in production of their famous old Single Action Army in caliber .357 S & W Magnum. This will be good news to a great many Colt fans who have wanted this gun in this caliber. The old gun frame is a bit small and the cylinder is a bit on the small side, diameter-wise, to produce a successful .44 Magnum, but it makes a very good .357, with ample strength for the cartridge in all factory loadings or equivalent hand loads. Price of the new .357 Colt Single Action is $125 with black composition grips; walnut grips at $5 extra.

Custom Fast Draw & Hunting Gun Rigs

For over a year, we have been working with Edward H. Bohlin, 931 Highland Ave., Hollywood 38, Calif., on a combination fast draw and hunting rig for all sixguns. Bohlin has made fancy outfits for a great many fast guns and movie stars.

The first Bohlin rigs that I tried out carried the gun far too low to suit me, either for comfort or fast work. They also carried the gun either vertical or with the butt tipped to the rear, to suit some of the fast guns who use the hammer draw with the single action. This was all wrong for me, as I like the gun butt tipped forward, so I can throw the gun toward the target as I draw, and fire only when it lines up with the target. I also like a belt and holster that will carry the gun higher, where it is less in the way and fire only when it lines up with the target. I also like a belt and holster that will carry the gun higher, where it is less in the way.

The My own long-tab safety strap with glove fastener, or the thong loop over the hammer, or the safety tab with a hole in it through which you let the (Single Action) firing pin down, will all hold the gun in the holster; but only the old A. H. Hardy design with firing pin let down through a hole in a narrow strap will clear the gun quickly. With the Hardy rig, you simply draw the gun, cocking it as you draw and thus freeing the gun. My safety tab and the old thong loop over the hammer spur are both slow to clear in an emergency, the thong loop being the slowest of all. The Bohlin spring-loaded safety strap is the answer to a lot of problems.

Bohlin made up a 2½" belt and several holsters, for S & W .44 Magnums with various barrel lengths and also for the Dragoon Ruger .44 Magnum. These rigs hold the gun just as I like it, with the butt tipped forward at just the right angle and with the top of gun just above the top edge of the belt and just between wrist and elbow. These have proven the most comfortable rigs I have ever worn.

Both belt and holsters are calf lined of finest leather. The holsters fit the different model guns perfectly, leaving trigger and hammer clear of the leather but coming right up to the target sights on the rear of the frame, for protection. He furnishes tie down strings, but they are not necessary at all. A small strap and buckle fastens the back skirt to the holster proper, and a thong also ties them together at the tip. If you wish to change guns and holsters, it is a simple matter to unbuckle the strap and untie the thong, remove the holster and replace it with another for a different model gun. Holsters
The FolkMount

For several months, we have been checking one of the new and very streamlined, fully adjustable mount designed by Folke Dahlberg of the Folke Gunsight Co., 2073 E. Pender St., Vancouver, B. C., Canada. The mount has a fixed front base, attached to the receiver with the usual two screws in holes furnished by the makers. The rear base is attached to one of the bridge holes and incorporates the elevation adjustments on a differential-pitch screw. Windage adjustments are at the front of the sleeve, which completely covers most of the scope barrel. This aluminum alloy shield makes this the most streamlined mount we have seen. Adjustments are positive and stay locked, but we believe the elevation screw would have been much simpler with a plain 40-pitch screw instead of the differential type. The price of this new streamlined mount for one inch non-adjustable scopes is $29.50.

Dave Bushnell's 4X Scopechief makes an excellent glass for this mount, on most high power rifles.

S & W .22 Magnum on Cougar

While I was attending the Winchester-Western Seminar at St. Louis and later the N.S.C.A. Show at Chicago, I loaned Jack Nancolas my K Model 6" barrel Smith & Wesson for the .22 W.R.F. Magnum cartridge, to see how it would perform on cougar. He is an excellent pistol and rifle shot, a government hunter, and one of the best mountain men alive. His dogs treed a big bob cat and Jack shot him between the eyes, the slug going back through the skull and penetrating just under the skin between the shoulders, perfectly mushroomed and with considerable loss of weight; an instant kill of course, and excellent penetration.

Next, his dogs stopped a big old tom cougar. In the melee that followed, the big cat got Jack's best lion dog down and was working him over when Jack started pouring the tiny soft-point slugs into the cat to save his dog. The bullets were going through the head and back into the body. The one that killed the big lion hit just over the shoulder.

(Continued on page 65)
Messages To Keith

There is no doubt in our minds that Elmer Keith's .44 Magnum pistol shot that killed a deer at 600 yards was a good one. But we know of a pistol shot that topped that one.

Our story concerns our friend, Mr. ———, from Pennsylvania, who killed a deer at 150 yds. with a .44 Mag. The amazing part of his story is not the pistol he used, nor the range... but the fact that he is a double amputee with no hands.

Howard Camp
Newnan, Georgia

We cannot help but feel that we have come up to the answer to the birth control controverted word conditions we face today. All we have to do is arm the populace with sidearm, and have the Old Master Elmer Keith himself teach the art of Combat Quick Draw.

Bill Hartley
Newnan, Georgia

Certain evidence in addition to the identical address suggests that both these postcard comments came from the same writer. However, one of them was addressed "To The Best Guns Magazine In The World"—and we can't resist flattery.—Editor.

Warning

This is to inform you that the antigun cranks are at it again in Georgia and that they will attempt to strip the people of their Constitutional rights at this session of the legislature. Please alert all your readers and ask them to write to Governor Vandiver and other legislators in opposition to gun registration laws, laws requiring permits to carry guns, and laws against carrying concealed weapons.

Wallace H. C. Colly Jr.
Atlanta, Georgia

Cars Next?

Five or six years ago, you could go into any drug store and buy what was called a "Horror Comic." Then somebody said that the fears of governmental tyranny which the Constitution suggests that both these postal. Our story concerns our friend, Mr. ———, from Pennsylvania, who killed a deer at 150 yds. with a .44 Mag. The amazing part of his story is not the pistol he used, nor the range... but the fact that he is a double amputee with no hands.

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Wallace H. C. Colly Jr.
Atlanta, Georgia

John H. Linney
Churchville, N. Y.

Lyndon B. Johnson

Recently, several of my friends and I, numbering close to 40, sent a letter to Lyndon B. Johnson, our Texas Senator, Democratic party leader in Washington. We requested that he fight any law which might already be in effect or might be proposed that might tend to take away our rights to own and shoot our guns.

I received his reply yesterday. He assures us that he will carefully consider any such legislation in the light of views and those voiced to him by many other Texans.

I sincerely urge everyone who loves guns and shooting to write to their lawmakers—now!

Keith Newman
Ft. Worth, Texas

Senators John F. Kennedy writes (GUNS, April): "By calling attention to 'a well regulated militia,' the 'security' of the nation, the right of each citizen 'to keep and bear arms,' our founding fathers recognized the essentially civilian nature of our economy. Although it is extremely unlikely that the fears of governmental tyranny which guns rise to the Second Amendment will ever be a major danger to our nation, the Amendment still remains an important declaration of Constitutional rights at this session of the legislature. Please alert all your readers and ask them to write to Governor Vandiver and other legislators in opposition to gun registration laws, laws requiring permits to carry guns, and laws against carrying concealed weapons.

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of our basic civilian-military relationships, in which every citizen must be ready to participate in the defense of his country. For that reason I believe the Second Amendment will always be important.

Senator Stuart Symington replied through his Administrative Assistant, Stanley R. Flake, that "He has a very heavy out-of-town speaking schedule on week ends, and this, in addition to his regular work of the Senate, just does not allow him enough time to comply with your request and many similar ones he receives."

Watch Your Fingers!

I think the fellow on page 29 (Feb. issue) is about to give his gun hand a good pinch by loading his magazine while in the gun. All the Luger's I've seen ram the slide forward when the magazine follower is depressed, and it goes forward fast. You fellows have a real nice magazine and I'd like to see it stay that way so...let's have more on the military and the gun collecting angles. If you do...I think you can hold your title, "Finest in the Firearms Field."

You've printed a lot of letters requesting more on "the rifleman in civil defense" and I'm sure the readers would like to know more on this subject will be in future issues. Frank H. Miller Grand Rapids, Michigan

We'll give this man what he wants, if all those who write in concerning their own participation in the volunteer "Rifleman" movement will again write to us. We'd like to learn the state of the rifleman in Civil Defense concept and activity to date, since GUNS first published its revealing article. Please address to Bill Edwards, Technical Editor, GUNS Magazine, Skokie, Ill. As for Lager slide closing, the slide stop holds the bolt open until the trigger is jerked a second time, releasing slide stop and allowing toggle to snap forward.—Editors.

No Such Thing?
The term "energy" has been overworked in regard to the so-called killing power of the big game rifle. Usually, the author uses the word in reference to the amount of "energy" required to knock down a large game animal, and goes to great lengths to extol the killing power of the round nosed military load common to the early nineteen hundreds, and held for the brain. He found there was no such thing as bullet impact, just penetration, and that the small bores killed just as dead as the heavy cannons without all the accompanying disadvantages.

The point I'm trying to make is that hunters should cut the malarky and print only what they know to be true when it comes to killing power. R. de Boer Grand Rapids, Michigan

Don't all speak at once. We'll publish one answer.—Editors.

Wild Pig.

In answer to a letter inquiring about wild pigs (Feb., 1960, issue) around Monterey, California, the existence of these pigs is confirmed by the booklet Big Game of California which is published by the California Department of Fish and Game. These are European wild pigs that were released in California late in 1925 or early in 1926. These pigs may run to 600 pounds, but a 300 pound boar and a 200 pound sow are large in California.

The book states, "Because of the common occurrence of feral pigs (domestics in the wild) in the foothills of the State, and because the European wild pig interbreeds with the domestic pigs, it is probably that much of this stock is of mixed blood."

I don't know if the European wild pigs are eaten or not, but I do know, since I've eaten some, that the domestic pigs in the wild that are common around Santa Barbara are eaten by many.

Tim Anderson
Santa Barbara, Calif.

"for every action there is an equal and opposite reaction." This means that the punch your bullet delivers to the game is no greater than the recoil you get from the butt of your rifle. Actually, the impulse transmitted to the game is far less, because the bullet has less velocity and momentum. Also, the bullet penetrates in a manner much less abrupt than the sharp jab of the rifle stock against the shoulder. Does this mean that you should try and kill an elephant with your .308 Winchester? It sure does. Hold for the same spot you would aim at with, say, a 700 double-barreled cannon, and Mr. Pachyderm will fall like lightning. Just remember to use a solid bullet around four or five diameters in length. (You probably won't even recover the bullet because most likely it will pass clean through friend elephants.)

Do you think I'm suggesting that every hunter of dangerous game commit suicide? Or maybe you think a guy might get away with it once or twice only. Well, it has been done—over a thousand times by one man. W. D. M. Bell killed over eleven hundred elephants with nothing more than a 7mm Rigby Mauser or 6.5 Mannlicher and perhaps, occasionally, the .303 British and 318 Rigby. He always used a solid bullet, usually the round nosed military load common to the early nineteen hundreds, and held for the brain. He found there was no such thing as bullet impact, just penetration, and that the small bores killed just as dead as the heavy cannons without all the accompanying disadvantages.

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Santa Barbara, Calif.

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Do you think I'm suggesting that every hunter of dangerous game commit suicide? Or maybe you think a guy might get away with it once or twice only. Well, it has been done—over a thousand times by one man. W. D. M. Bell killed over eleven hundred elephants with nothing more than a 7mm Rigby Mauser or 6.5 Mannlicher and perhaps, occasionally, the .303 British and 318 Rigby. He always used a solid bullet, usually the round nosed military load common to the early nineteen hundreds, and held for the brain. He found there was no such thing as bullet impact, just penetration, and that the small bores killed just as dead as the heavy cannons without all the accompanying disadvantages.

The point I'm trying to make is that hunters should cut the malarky and print only what they know to be true when it comes to killing power.

R. de Boer Grand Rapids, Michigan

Don't all speak at once. We'll publish one answer.—Editors.

Wild Pig.

In answer to a letter inquiring about wild pigs (Feb., 1960, issue) around Monterey, California, the existence of these pigs is confirmed by the booklet Big Game of California which is published by the California Department of Fish and Game. These are European wild pigs that were released in California late in 1925 or early in 1926. These pigs may run to 600 pounds, but a 300 pound boar and a 200 pound sow are large in California.

The book states, "Because of the common occurrence of feral pigs (domestics in the wild) in the foothills of the State, and because the European wild pig interbreeds with the domestic pigs, it is probably that much of this stock is of mixed blood."

I don't know if the European wild pigs are eaten or not, but I do know, since I've eaten some, that the domestic pigs in the wild that are common around Santa Barbara are eaten by many.

Tim Anderson
Santa Barbara, Calif.

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Tim Anderson
Santa Barbara, Calif.
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HANDLOADING BENCH

By KENT BELLAH

MOUNTAINS OF SHOTHELLS are now salvaged by hull fillers, who bust more caps and have more fun at less cost than ever before. Cost is a major motive: you can reload for around $1 per box. That's a real bargain, these days! And many scattergun fans get as much kick out of brewing their own fodder as in shooting it, with no pun intended.

In the mid 1930's I cobbled together a few crummy tools. My Eureka set was worth no more than the $2.50 it cost. Loading was slowly done "by guess and by gosh." Some swollen shells wouldn't chamber even in a loose-chambered double gun. Factory 12 gauge loads cost from 70c to $1.10 per box. By careful testing I learned the factory HI-V loads could be exceeded, to gain a few yards range. This is not true today. Standard Magnum fodder is pregnant with powder. Loaded to full max, or maybe more for routine shooting.

Semi-production loaders are now plentiful with crummy tools. Cut lead wire, insert core into jacket and your Swag-O-Matic forms the most perfect bullet you have ever seen. Thy are practically foolproof. The main difference is in speed, convenience and price. Some early ones got out with a few "bugs" in the rush to hit a new mass market, created mostly by novice handloaders. A few fell by the wayside because of sloppy workmanship, or because they were not perfected or developed. One good loader wasn't advertised much.

All currently advertised semi-production loaders I've tried do a good job. The main difference is in speed, convenience and price. They are practically foolproof. The main thing is to use the proper powder and follow simple directions.

The Deitemeyer DL-100 Loader is such a machine. It's complete, speedy, safe and good. Simplicity and production considered, the $49.95 price tag makes it an excellent buy for hunters or clay shooters who want to bust more caps at lower cost. They advertise a reload in 20 seconds. You can do it, but not for continuous production. It takes time to sort tubes, open powder and shot, wads and primers, and keep the hoppers filled. It also takes time to inspect and box loads. But it's fun. When you get the "hang" of operation, you can thrust out loads at a rapid rate.

The DL-100 comes set up for the gauge, load, shells and primers or caps you desire. A novice can use it the day it arrives. I like the fixed charge powder-shot bar. You can't install it backwards or goof-up. Each bar is for a definite charge, with extra bars $3.50. Lads who know what they are doing can ream the charge holes, or bush them, to fill their needs for different charges if desired. Altered bars should always be stamped for positive identification. At extra cost, it's easy to change to a different gauge, or from primers to caps.

The DL-100 loader is a good value. You paid for it, and have now passed it on to a friend nearby who helps me a little with loading and shooting. Like others of the same general pattern using a charge bar, only the one correct powder may be used. Substitution of a powder with different burning and pressure trends is an idiot trick that has blown up three guns in this area. Three words—Don't Do It. Stick with what the book says and you'll be safe. Factories spend a million bucks keeping the right powder in the right places to load the right shells. Who are you to be different?

My machine has a No. 12-B charge bar, equal to factory "3 Drams Equivalent, 1 1/2 oz." loads. It throws 23 grains of Red Dot, and approximately 1/8 ounce of shot. This is a dandy quail or clay load, with near top velocity for Red Dot, about 1175 feet per second. The same weight charge of Unique gives about 1200 f.p.s., but can not be substituted in a charge bar. The charge would be about 31 grains, an excessive load. Again I say it, Do not substitute powders. If you do not have the correct charge bar, weigh or measure all charges. This is the only time you need a measure or scales with this loader.

If the charge bar goes up, clean it and the housing with a dry cloth. Clean and dry the charge holes. Reassemble with a bit of graphite for lube. This area is always kept dry. Keep other moving parts lightly oiled.

Five steps in shotshell reloading demonstrate easy working of more modern tools. At left, deprime over hole in plate; next, prime; then throw powder, insert wads, shot, size and crimp; eject loaded shell.
I loaded some once-fired Xpert hulls for a test. The 23 grains Red Dot and 1½ ounce meter of No. 8 shot (which weighs slightly more than larger shot) made a neat reload. The Alcan wads were one .200" nitro card, and one .5" filler wad. Wad pressure was 75 pounds. Loads compared favorably with equivalent factory fodder in both pattern and penetration at 40 yards. They function in pumps or autos. Primers were the dependable CCI make that I've preferred for several years. The chilled shot were DIVCO brand, made by Division Lead Co., Summit, Illinois. They supply dealers with high grade lead products of all kinds for handloaders. Alcan wads are too good and too cheap to fool with cutting your own for small production. The old hammer & punch cutters often cut wads at an angle, which isn't good.

All components were of fine quality and well mated, factors as important as proper loading technique with good tools.

Listed loads in the directions equal equivalent factory fodder, that you can use for a control check, and I recommend them. Shotshell loads are not as versatile as rifle and pistol ammo. You can't increase velocity to gain range, as with some metallics. You are not apt to improve factory or suggested loads with your own creations today, as you could a few years ago. Overloads have long been tried without much success. A good writer and fine lad wrote a story on "Dead Ducks at 100 Yards," that was real interesting. He shot ducks (in the story) at nearly twice the range you and I will consider it sporting. I do not know of any gun, load or man that will consistently kill ducks at anywhere near that range.

The DL-100 works much like other loaders of this type. The five steps with 21 operations per shell include final inspection, but not sorting tubes or boxing loads. For new cases you'll need a Crimp Starter Die and Bracket at $5.00. The five simple steps are: 1) Deprime, 2) Reprime, 3) Throw powder, insert wads, apply wad pressure, throw shot, 4) Size and crimp, 5) Eject load from the size die. I highly recommend a sixth operation, using the Taper-Loc Die ($4.00 extra). It makes a tighter crimp and tapered nose for better feeding in pump and auto guns.

A $6.50 Cap Converter Set allows repriming the old battery cup primer with cheap caps, at considerable saving. CCI started cap production several years ago to relieve the primer shortage. A few lads had misfires before good tools were made to use them. Cocked anvils were the major cause. The Cap Set does an excellent job, and caps are well accepted today, although loading is a bit slower. I've used caps since they were first available, with never a misfire.

The built-in wad guide is a good feature. All operations terminate with a dead stop with a full stroke of the handle. This, and the charge bar for fixed charges practically eliminate the human error. The wad pressure control is good. Correct wad pressure, as listed for various powders, makes quality ammos, eliminating "low loads," erratic or blown patterns. You can not eliminate the over-powder (or nitro) wad, nor reduce the suggested wad column to increase case capacity for improved ballistics. That is, some loads list a minimum length wad column, and results will be best with this length or more. Shotshell loads are pretty well standardized for listed components.

(Listed on page 61)
THE GUNS THAT WON THE WEST

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- 1860 Colt Army — 41 cal. — $5.95
- 1851 Colt Navy — 36 cal. — $5.95

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NEWSLETTERS are good gimmicks for gun clubs.

Every club has at least one member who can get out a chatty, informative, monthly newsletter. The newsletter or bulletin need not be a masterpiece of prose, or a work of art. It can be done by mimeograph or any other duplicating process, and mailed third class, to keep down costs. Its purpose—to inform members of coming events, give recognition for good shooting performances (everyone likes to see his or her name in print), and give the club an identity or esprit de corps which it would not otherwise enjoy.

The newsletter should list new members either by a simple listing or with a biographical sketch, to promote better fellowship at the club. When a new member appears at many clubs, there are murmurs of "who's that?" A good club bulletin can answer the "who's that" queries in advance, so that the new member can be absorbed and become an effective member more quickly.

In last month's FULL column, we mentioned and saluted the new Micro Gun Club, at Las Cruces, New Mexico, for the club's bulletin. To give other clubs an idea how a good bulletin might be put together, I quote parts of another Micro Trap Range Monthly Newsletter:

It begins: "Hi shooter!

February set a new attendance record at the range in spite of the faithful gusty breezes that never fail to blow Sunday afternoon. A lot of new shooters out, and much interest in coming registered shoots, now that schedules have been approved. I will cover these later in the letter. . . .

True to their promise, Mr. Trapsooting himself, Arnold Rieger, and his charming wife stopped by early in the month on their way to the Florida Winter Chain Shoots. . . .

On February 7th, Durward and Mrs. Link came up from El Paso to shoot with us. From the North, Walter Berger, Les Briggs and Bob Tinnen stopped by for a few rounds with a 40x50 on doubles. They were careful to keep the location a secret. John Van Hoy celebrated his birthday by shooting a 49x50 but never told us how old he is.

On February 14th, Mr. and Mrs. E. C. "Bud" Axtline and Bruce Axtline came down to shoot. Bud, who is president of the Albuquerque Trap Club, helped us set up our schedule for registered shoots during March and April. He was quite impressed by the attendance and enthusiasm, and went back to Albuquerque to warn the fellows that they had better get busy or start shipping all their trophies south!

Valentines Day we shot the "annual memorial St. Valentines Olympic Handicap" event, which was won by Rolla Bouhan. The most exciting day by shooting a 24x25, and Tile Baker came up with a 40x50 on doubles. . . .

John Brinton from Alamogordo is breaking ground for a new trap range at Hollosman Air Force Base. Real glad to see this, as it should generate lots of interest (Editor's note: the newsletter can help generate competitive interest between clubs, and help toward getting leagues organized). We will have some new competition from over the hill. We are working closely with John and Will help all we can. Will announce the opening so many of us as possible from here can go over and give the club a bang-up sendoff.

Lots of new shooters got started. Dr. Ben Haines came out with old pro Frank Pappen. Jack Fergie is coaching his boy Vince. Don Law has his wife and son Barry practicing regularly. The Turley twins are represented by one or more members of the family every Sunday. Also most encouraging is the turnout among the ladies. Mrs. Wally Carroll, Mrs. Cody, Mary Van Noy, Betty Williams, and several others are getting active. Stick with it, gals, the wind can't blow forever! And remember, this is a "discrete" range. Your score as well as your age is kept confidential. . . .


The Micro Trap Range Newsletter contains many names, much information, and has all the ingredients for keeping a club alive.

We salute this month another shooting club's newsletter. This one is from the Fall Creek Valley Conservation Club, at Marksville, Indiana. The Fall Creek Valley newsletter announces a record hop, a chicken barbeque, and a regular business meeting.

The results column reads:

"'Twas a miserable day but nevertheless five squad of eager targets busters braved knee-deep snow for this one. Earl Reed and Lawrence Tolley finished in a dead heat to share first place honors with 70 broken targets to their credit. Tom Mann and Slim Mathers held down the number two slot with 68 each. For third place it was Jesse Butler, Charlie Kochler, Bob Addison and Bob Foust each with a score of 67. With 60's for fourth it was Earl Howard and Owen Gross. Harold Bender latched on to miss-and-out money with 15 straight hits."

(Continued on page 63)
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"Extending man's vision through optical science."
SEEING, THEY SAY, is believing. And when I saw the unbelievable, saw Lucky McDaniel teach tyros to become proficient shooters within one hour, I had to believe.

McDaniel’s copyrighted system is “Instinct Shooting,” a method which thousands of his students, men and women, will swear by. Everywhere, shooters testify to new enjoyment of their scatterguns, new success a-field, and higher scores at trap and skeet. For Instinct Shooting, mechanically, is as simple as pointing your finger. The results, however, stagger the imagination.

For example, how long do you think it would take you to learn to knock a paper wadding from the center of a flying one-inch washer with a BB gun? At least long enough for your arms to become numb from trying, most likely.

As an instinct shooter, though, you would probably be separating the paper from the washer in 15 to 20 minutes. McDaniel’s younger pupils with good vision, who think that isn’t enough, are usually shooting tossed BBs with a BB gun after no more than half an hour with Lucky. Incredible? It sure is . . . to everybody but Lucky McDaniel.

Lucky starts pupils off with a BB gun mainly because they can quickly develop the habit of seeing the shot as it leaves the barrel. There is no disturbing noise or recoil with the BB rifle.

As soon as you can see the flight of your BB, the next step is to learn the proper gun position for Instinct Shooting. Rather than have you employ the conventional cheeking of the gun, Lucky insists that you lock it firmly in place with the side of your chin against the stock. About now, you may notice that there are no sights on the gun.
McDaniel and promoter Mike Jennings examine special Daisy sightless air-rifle of Instinct Shooting kit.

"Most patient coaching ever" was opinion of expert about Lucky's teaching methods. Kids learn fast, have few bad habits of "sighting" to unlearn.

Targets ranging from clay birds down to BBs are hit as student improves skill. McDaniel's teaching denies aiming. Head is high, gun is not so tightly cheeked as with regular aiming method: eyes watch the target.
Originator of Instinct Shooting was once a tobacco salesman, outshot dealers on bets in order to overcome their sales resistance.

Lucky brushes this off by simply stating that “they’d be in your way.”

Now that you can see most of your shots and know how to position your gun for Instinct Shooting, you are ready to begin with the moving target.

Your first target is a solid metal disc about two inches in diameter which Lucky, crouched near your shoulder, tosses into the air about 10 to 15 feet high. Most people will miss the first few and, all the while, Lucky will be quietly demanding, “Look at the top, look at the top of the target. Keep both eyes open.”

“Most everyone,” he says, “shoots under an aerial target because the gun is lower than the eye. I offset this by telling my pupils that if they’re gonna miss, then miss over the top.”

Remember, while you are shooting at this disc, you are not aiming, because there are no sights on the barrel. You actually have the gun chinned so that all you can do is look out over the barrel, not along it.

Your first surprise comes when, after a few misses, you suddenly hear the sharp little ping that signals a hit. “Now, we’re in business,” Lucky usually quips with a reassuring smile.

After the disc comes a metal washer, about 1 1/2" diameter. Soon, hitting this, your confidence soars to new heights.

Here is where McDaniel slips you a fast one. He pauses briefly, pulls a piece of paper from his pocket and stuffs it into the center of the washer.

“Now look at the paper and hit it,” he says, usually repeating those words as he tosses the washer skyward. Before you know it, you’ve scored again—another milestone with Instinct Shooting.

Gradually, the size of the washer is reduced until you are down to one about... (Continued on page 40)
“McCarty painted Wyatt Earp (above) as I knew him,” says ex-Earp deputy. (Below) Hugh O’Brien as he portrays Earp on TV.

Hollywood gun-teacher Arvo Ojala (left), King, and artist McCarty (right) argue guns and gunfighting.

A DEPUTY OF WYATT EARP’S recently made a unique recording. Arthur M. King (who had worked with Wyatt for LA Chief Detective Flammer about 1900) taped his memories of the famous lawman for western artist Lea F. McCarty. King, now retired in Santa Rosa, Cal., recalled extraditing culprits from across the border at San Diego; told of working for the borax people out on the high Mojave Desert “at a time when we had to get out and push the old Franklin over the famous Sawgus Grade.” Artist McCarty’s search for traces of vanished heroes of the Old West had led him to interview King. His striking paintings of westerners capture the dash and fire of these men as they lived. Regretfully, we here record the passing of McCarty, who died in March. His interview brings us the words he spoke with King...
Standing in front of another Earp portrait and one of Doc Holiday, McCarty and King listen to cameraman's question.

"TELL ME, MR. KING, how long did the shoot-out era last?"

"About twenty years."

"And how many of the old West gunfighters did you know?"

"I worked with Wyatt and did know Bat Masterson. I'd heard much about many of the gunslingers through my friend Wyatt, although he was not a big talker. But when we were alone, under the stars, and a big fire blazing on a cold night in those altitudes, Wyatt talked some."

"Did he ever mention such a famed outlaw gunfighter as Jesse James? I understand that Wyatt was born about the same time, in 1848."

"I don't really recollect. Wyatt hated men who broke the law, though, as his Pa had brought him up in a family of lawyers and judges of proud Scots descent. Yes, I do remember that he once said that Jesse James had been a poor shot due to his eyes and impetuosity; that he wore a Navy Colt of the cap-and-ball variety like his big cousin Cole Younger. Wyatt also laughed, and told me that Jesse was the cousin not only of those who rode with him, the Youngers, but also the Daltons who raised Hell around Southern California about that time, robbing the Southern Pacific; and that even gunfighter Johnny Ringo was related to Jesse.

Deputy King displays .45 Colt Single Action he carried as Earp's deputy, says Earp once tried to borrow the gun. "I refused to lend it," says King, "and we had a falling out."
King says Earp believed "nobody could match Doc when he whipped out that nickel-plated .45 Colt."

Quite a bloodline!"

"Was Earp a big man—tall, I mean?"

"No. He was under six feet and weighed about 160 pounds—all bobcat and fightin' man."

"Did he ever mention Luke Short to you—the famous gunslinger who once owned the Long Branch Saloon at Dodge in 1883 I believe?"

King coughed and smiled. "Gettin' old I guess. Yes, Wyatt talked about 'Little Luke' on some occasions. He liked Luke, to hear him talk. He respected his courage as a gunhand and his wits as a gambling man. He told me Little Luke was a fast-draw artist with his .45 Colts, but an amazing shot with a Springfield which he had learned to shoot like sin out behind the barn on his father's farm in Texas where he was reared. Little Luke shot to death gunfightin' man Long-haired Jim Courtright in Fort Worth near the 'White Elephant' which he owned. Wyatt told me that Luke cut off the hammer thumb, then broke the man's bones in his legs so that he sank to his knees, and then drilled him vitally through the heart. They had walked into the middle of the wide street and settled it as all gunfighters did—honorable-like. Both wore .45s high on the hip. Luke never wore a shoulder holster and did not like them. He lived to die a natural death in bed at 39 years of age."

"Did Wyatt ever mention Wild Bill Hickok?"

"Yes, he certainly did on many occasions. Most folks just don't seem to realize that Wyatt hunted buffalo along with, not only Bill Tilghman and Bat Masterson, but also with Wild Bill Hickok. Wild Bill taught Wyatt the art of using a hand gun against a fast-draw killer. (Continued on page 44)

McCarty painted John Ringo twice, seemed to see in him conflicting personalities. Above is Ringo the gambler.
DOUBLE ACTION HANDGUN SHOOTING is the most important pistol firing system in use today. The policeman stopping a criminal on the “get away,” or the peaceful citizen preventing a crime by effectively resisting assault, needs skill in this combat technique. And as the problems of such skill become evident, practice at DA firing becomes a sport, taxing nerve and control of even experienced slow-fire pistol men. The bullseye will show up inaccuracy. But to analyze poor shooting, a novel cross-style target can reveal trigger jerking and other causes of inaccuracy; can allow the shooter, even without coaching, to perfect his skill.

Best targets for double action practice are painted boards. If painted white in the center and light green on the sides, the bullet holes will immediately indicate if sights are being pulled sideways during the pull of the trigger. DA pull may be from 10 to 17 pounds in modern service revolvers. Though not a heavy pull, it does seem heavy by contrast with the 3-4 pound single pull. It is this sideways pull that will cause more misses, in DA shooting, than are caused by errors in elevation, whether sighting or pointslinging.

Practice raising or lowering the pistol with the sights trained on the center stripe. Learn to keep all shots in the center stripe at close range. Then move the board back five yards and practice more. Keep practicing until you know how to squeeze the shot off correctly. If the sights drift off target, hold the pressure and when the sights are aligned again, continue the squeeze to fire. Repeat, even if your aim wavers off target three or four times, before you finally snap the shot. Soon you will be able to double action very fast, and very surely, even when not looking at the sights.

The “hold” of the gun, the styles of grips used and the trigger squeeze are all different from target single action shooting. For accurate control DA, the fingers should grip hard. The thumb also grips, the end of the thumb resting down on the middle finger. The strong grasp is necessary to keep the pistol from twitching sideways and to keep the same “hold” on the grips during recoil of five or six shots.

Custom grips can be an aid to DA shooting. One design by the late Walter Roper, pioneer pistol scientist, had a built-in trigger stop for DA work. Part of the stock extended into the guard. A shooter with long fingers caught the trigger in the first joint crease. As the trigger is pulled back the tip of finger comes in contact with the stock wood surrounding the back of the trigger guard, forming a brake or stop. (Continued on page 65)
DA GUNNERS

CROSS TARGET PLUS SOLID HOLD ON PISTOL
WILL HELP YOU TO LEARN ACCURATE
DOUBLE ACTION COMBAT SHOOTING

Author's pistols have new grips by Hultgren, to give firm double-action hold.

Novel cross painted target board guides eye and aim to develop skill in quick triggering; is better than bull.
Chasseurs rifles garnish the walls like candles on cake. Below, Napoleon 6pdr. gun dominates room of Waterloo battle period.

Belgium's WORLD'S

Mrs. Kit Flannery and guide M. Coessens are dwarfed in vast Hall of King Albert. Nine galleries hold military relics of many nations. Museum is lifework of Louis Leconte, who is the director.
As I walked into the foyer of the museum, I looked in awe at the fantastic array of guns, swords, cannon, uniforms, airplanes displayed in the world’s biggest and best military museum, the Belgian Army Museum in Brussels. Housed in the Palais du Cinquantenaire, the palace built to commemorate 50 years of Belgian independence, is the most magnificent collection of weapons in seven countries visited by the “Gun Tour.” If West Point’s guns, the Colt and Winchester museums, the Smithsonian arms, the Marine Museum at Quantico, Harold’s Club and Aberdeen Proving Ground’s collections, were all rolled into one, they might equal this huge arms array. And, for the most part, the arms you would see in these mentioned displays will not be duplicated in this Brussels Museum.

Superlatives fail in describing this museum. We eight Americans were the only visitors there, though visiting days, except Friday, include Sundays and holidays, 10-12:30 and 1:30-5. But even Belgian tourist guides don’t know of this collection. The road to Waterloo routes by the Roman-like building but of the thousands who pass daily, few enter. This is their loss, for there is much to see at leisure. The history of northern Europe is written there in actual arms used to create moments of history now studied on the dry pages of indifferent history books. The burnished weapons blossom like flowers, displayed on the
Huge Brussels Army museum displays weapons of Belgium's armies through centuries. Fusil Automatique Leger is official name for Fabrique Nationale light assault rifle in NATO caliber.

walls. The brilliant gold and silver of bullion-embroidered Hussar uniforms, the dull gleam of bronze guns, dazzle the eye. In this museum the guns make history come alive. Never have I seen so orderly a profusion of weapons, many of them identical rare specimens by the hundreds. The artistically balanced displays keep the eye from being offended, though every square meter of space is crammed with rare guns, uniforms long since rotted to dust elsewhere, and paintings by recent great masters of Europe, depicting the most spirited and accurately detailed battle scenes of military and heroic figures.

The entrance to this “Musee Royal de L'Armee et d'Hist-}

In quirk of history, museum profited by two German invasions. Nazis took Lebels, left relics behind.
MAN AND MACHINE proceed together in assaying the results of any shooting match. Our US shooting stars are as good as any in the world, but certain specialized shooting sports have needed specialized guns not ordinarily used here. Such a sport is the grueling routine of the International Slow Fire or "Free Pistol" .22 course. And to complement the skill of Yankee pistoleers at the 1960 Olympic ISU shoot, High Standard has built a Free Pistol.

American shooters years ago started international shooting matches. Then we backed out; refused to have any part or branch of competitive shooting. Great names they once were, American names: men like Ira Paine, who was knighted by the King of Portugal for his shooting prowess; men like Walter Winans, who pushed the traditional skill of the American sharp shooter to new heights and probably did as much as any man in forcing the perfection of handguns into target pistols.

Champions like these, were known and respected in the great shooting "salons" of the Continent. If their presence (Continued on page 48)

First Yankee free pistol of modern era has screw at trigger guard to adjust for finger position to fire.

By WILLIAM C. L. THOMPSON

Fluted barrel is accurate and stylish on new pistol.

Electric trigger is magnet-operated; releases connector to free rotary sear. Striker under spring compression flies forward to hit pin.
Firepower For Foot-Soldiers

New M60 U.S. machine gun we tested has 25 pound titanium mount, equals heavy MG in firepower but is aircooled.

Flat clip by fingers holds grip pins in; cocking handle is shown with bolt open. At right, by handle, thumb piece lifts up to free barrel for quick removal in cleaning.
EXCLUSIVE GUNS TEST REPORT OF AMERICA'S NEW MACHINE GUN
SHOWS M60 IS STURDY,
CONTROLLABLE ON FULL AUTO,
SERVES MANY ROLES

By HERBERT J. ERFURTH

WITH THE RETURN this winter of the first General Purpose Machine Gun M60 from its varied test and display career to Fort Benning's museum, a modern saga has come full cycle. It is the project culminating in producing 6800 of what Ordnance calls "the world's best light machine gun."

Dubbed "M60," the new welded and stamped link-belt fed LMG weighs 23 pounds, compared to the (dry) water-cooled M1917 Browning at 40.7 and later "light" versions scaling over 30 pounds each. For fixed firing, M60's tripod of titanium alloy weighs but 25 pounds: the old familiar M1917 tripod hefts at a chunky 48. With M60 gun on mount, the weight is still not so much that a man can't lift it. I took the gun by its carrying handle and lugged it easily about with one hand though it did clip my shins a little. Such mobility might be valuable if all but one man of a crew were dead.

The caliber of the new volley fire arm is of course 7.62 NATO, and the sights introduce novelty in American small arms—the leaf is graduated in meters so our own fire-control charts could be integrated with those of our metric-measuring allies. The tripod of M60, though light, is an elaborate structure. Legs lock individually in any position allowing the gun to settle on hard, uneven terrain, while the gun can pivot a full (Continued on page 54)
New members in 500-man Buffalo, N. Y., gun club must take instruction from experienced shooters. Fine points of winning are passed along, helping beginners take their share of trophies.

WHAT DOES THIS CLUB HAVE THAT YOURS COULDN'T HAVE IF YOU TRIED?
THERE'S NO SECRET TO SUCCESS EXCEPT HARD WORK

Scores are kept on file, showing competitors' standing weekly. Here club exec Hal Dudley checks a target.
Rugers are popular in Buffalo club. New men like lower first cost, often customize them.

Basic shooter's kit includes .38 or .357 (Python, above) revolver, .45 and .22 pistols, shooting glasses, tools.

On Buffalo Revolver & Rifle Club indoor range George Young, president Bill Sutton, Harold Dudley and Matt Kuhn await start of timed fire. Ceiling is soundproofed.

Big Colt National Match .45s vie with revolvers in B.R.&R.C. matches.

As Juniors' Day, which is always well attended.

"To develop topnotch shooters, a pistol or rifle club simply must own or have free access to good range facilities. It's the only way members can get the necessary practice. But it goes further than that. The frequent get-togethers at the range build club spirit, which becomes team spirit when we compete with other clubs; and shooting together night after night produces member-against-member rivalries which provide incentive for each man to work to improve his scores. This means that a club must set aside specific nights for practice, and the members must be keen enough about shooting to devote those nights to it. We're lucky in having that kind of members.

"Another thing that has helped us make the grade competitively is—we provide plenty of competitive shooting. There's no way to make a competitive shooter except by competitive shooting. You have to get used to competition in order to shoot your best scores (Continued on page 50)
New Tools For Stocks

By CLIFF CURTIS

Fast becoming popular with gunsmiths, and equally popular with the sportsman who is interested in shaping his own gun stock or in making alterations on a present gun stock, is a new line of tools, called “Surform” tools, made by Stanley Tools, division of The Stanley Works, New Britain, Connecticut. These tools, made up of blades with hundreds of individual hardened and sharpened cutting teeth are available in two basic styles: plane and file type. Flat and half-round blades are available. Working essentially like a wood rasp, the Stanley “Surform” tools cut all types of wood—soft woods, hard woods, decorative fruit woods—faster than a conventional wood rasp or any file hitherto available.

The secret of this remarkable performance lies in the fact that each blade is made up of from 250 to 500 individually hardened and sharpened teeth. Each pass of the tool over the stock, results in the removal of actual chips from the wood. The chips are cleared through the individual “throat” or opening above each tooth.

Because of the diverse shapes and styles—flat, half round, round, as well as convex—practically any area of a fine gun stock may be quickly and accurately dressed down to desired size with a “Surform” tool.

As a testimony to the effectiveness of these tools, many manufacturers claim that they do 90 per cent of the forming and shaping job after rough, hardwood billets have been cut out. Equally appealing to the “purist,” is the fact that he may remove as much or as little stock as desired. The pressure exerted by the user accounts for this versatility. As a result, if the sportsman desires to remove a small amount of stock from any area, the “Surform” tool will provide a fast and ready answer for him. Similarly, if he is starting from his own rough billet, he can work his stock down to the desired shape quickly and easily.

Two blade patterns are standard. The regular cut, the blade with the black finish, is especially designed for the speedy removal of softer materials, such as all types of wood. The second is a fine-cut blade, the blade with the silver finish, for the final finishing strokes. The cutting edges of the fine-cut are set so that they take half the bite of the regular cut, give a smoother finish.

New shapes now added to the blade family include the half-round and the round file type. They fill a need for trimming and forming concave surfaces and enlarging holes, as in the inletting for trigger or magazine.

Holders for the blades include the file and the plane, the pocket or block-plane type holder, and the “rocker” or convex. Favorites with gunsmiths are the file and pocket type holders using regular, fine-cut, and half-round blades. Retail prices range from $1.79 each for the “Surform” pocket tool, $2.69 for the regular and fine-cut file type, to $3.69 for the convex with fine-cut blade. They are available through hardware retailers nationwide.

“Surform” tools, unlike other files, remove chips, not dust. They cut clean and leave a clean finish.
Finer cut Surform is white-finished, leaves wood smoother before sanding, filling, varnishing or oil finish. New gun gadget makes practical use of expensive blanks by casual arms hobbyist.

Set in file-type holder, Surform shreds off long curls of wood as if by many tiny blades, does not clog like wood rasp because teeth are open at back. Final comb height is shaped with Surform.
AMERICA'S GREATEST SHOOTER

The Greatest Rifle Offer

All U.S. (Springfield Armory) Made

Cal. .30-06 Original

Yes, Ye Old Hunter, the Guantanamo Buddha of the gun trade, brings you another fabulous shipment of the greatest rifle ever found! This shipment of "The Best Rifle ever made" has tens of thousands of ORIGINAL GARANDS, all in v. g. or better condition, all made by SPRINGFIELD ARSENAL (no cheap contract stuff). In the world's great cartridge, .30-06, and all at a price you can afford... just a mere $75.95. Now you can throw away those old and rough Springfield's you've been paying so much for from gun dealers with a brand new factory .30-06 Garand...

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Cal. 7.5 Swiss

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Cal. .303

THE MOST DRAMATIC PRICE REDUCTION EVER!!!

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WORLD'S GREATEST—THE M91 MAUSER SPORTER!!

Cal. 7.65MM

$27.95

OWN THIS FINE SPORTER—ONLY $29.95

IN LIMITED SUPPLY—The No. 1 German Mauser, beautifully blistered by the world-famous Rheinmetall and Auer-Harrington gun makers...one of these a world-class rifle is now available at the factory price of only $27.95. Each rifle is carefully selected for both condition and beauty. Each rifle is handmade from the finest materials, and completely refurbished, and comes with a full ten round magazine and only 7 lbs. of weight. Only $29.95 additional if we hand select one in ultimate condition. THIS IS YOUR BEST BUY EVER!!!

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REGISTERED DEALERS: Write for complete line of gun and ammo. Direct to our Canadian Distributor, Hunters Lodge, Ltd., Winnipeg, Canada.
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Cal. 7MM

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NEW SHIPMENT of rare original 7MM Remington Rolling Blocks —the rifle that broke all sales records. A rare find, one of these three times in a lifetime. In original condition. Complete and in remarkable condition for the condition they are in. Condition is “as new.” A give-away special! A few with rare special rusty relic, the finest set. 7MM Remington Rolling Blocks available anywhere. Own this historical relic for a mere pittance—only $9.95. The prices you can’t afford not to buy! Glamorous, rare “short tooth” bayonets only $15.00. 7MM M.C. ammo only $1.00 per 100 rounds.

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Model 3C Savage .22 Cal. Rifles

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Here at last! A rifle the entire family can enjoy. The perfect little 22 for all around plinking and target shooting, and at a steep price—only $9.95 complete and serviceable in every detail. While away hours of practically costless shooting with this eye sharpener. Better order this very day to insure one in your household!

Russian M91 and M91/30 Rifles

Col. 7.62 Russian

Your choice

ONLY $14.95!

(M91 Model pictured)

Russian M91 and M91/30 Rifles—The most amazing find of our times. Authentic Russian Infantry Rifles of both the rare Model 91 and the rare Model 91/30. Your choice of either model only $14.95, or both models for only $29.95 when ordered in pairs. Guaranteed complete, in good serviceable condition and devoid of all communist rust. A hazardous find that shattered the shooting world, and what may be for our competitors who tried to locate these models out of this country. Thank you for absolutely complete shooting is now yours in the popular 7.62 caliber—only $7.95 per 100 rounds. Today!

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Ye Old Hunter’s bargain .30-06 MC cartridges for only $79.95. This is no worthless bag of reject—mis-matched parts someone was afraid to assemble; this is no over-priced monster from the other side of the moon, but the REAL THING from Springfield Arsenal, in superb original condition Guaranteed by Ye Old Hunter and with all milled parts and all numbers matching. Send today: the best bargain of the new decade! Order from this ad to insure prompt delivery! .30-06 MC cartridges only $7.95 per 100 rounds.

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“They Said We Couldn’t Do It”

By CLIFTON CAMP

CROSMAN’S NEW AUTO-LOADER MAKES

IN-THE-HOME RAPID FIRE PRACTICE POSSIBLE

THE QUESTION, “Which came first, the air- or gas-fired gun, or the firearm?” is as tricky as the similar question about the chicken and the egg. Say “blow-gun” for airgun, and you have a clue to the antiquity of the airgun principle. A 15th century fresco at Angers, France, shows a blowgun being aimed at a pigeon. In many parts of the world, the air-powered blow-gun dates back beyond written history. Benvenuto Cellini (1500-1571) may have concealed his invention of a compressed-air-powered gun behind his tall tales of “a smokeless, flashless, noiseless powder.”

But in all those centuries, nobody (until now) has come up with a practical, successful semi-automatic action for air- or gas-fired guns. The new Crosman CO²-powered auto-loading “Model 600” is an ingenious solution of a long-standing problem. Crosman releases call it “an engineering miracle”, and maybe it is. At least it is an effective reply to the demand of target pistolmen for a pistol of high accuracy and fast-firing efficiency that would enable them to practice (at home, without objectionable noise) not only slow fire but also the timed and rapid fire stages of pistol target competition.

It is also a fun-gun for plinkers and the hunters of lesser varmints. If you miss him the first time, shoot him again!

Not one but three pistols were tested under constant barrel pressure firing a hundred thousand times each without leakage or any mechanical failure.

Crosman engineers believed the mechanical achievement of a gas-powered auto-loader might be based on the patented swing-feed mechanism of the Crosman bolt action repeating rifle. Their interest in the problem was stimulated by an independent survey of more than 11,000 pistol owners, dealers, and distributors who believed that a semi-automatic gasgun would “open a new era for shooters.” New era, or not, they felt that they had a ready-made and waiting market among the target pistolmen who have long awaited a gun with which they could practice at home without arousing the ire of police or neighbors.

There were many technical problems. Basically, there had to be built into a pistol a loading and recocking device which would deliver with lightning rapidity a soft, pliable, .22 caliber lead pellet without deforming it—and return to receive and load subsequent pellets. The popular demand was “the faster the better.” This had to be accomplished by using the carbon-dioxide gas to activate the semi-automatic mechan- (Continued on page 56)
When accident or nature leaves a man with but one hand, his shooting days need not be over. This was the view of one Maryland duck hunter who ended up at our gun shop with problems:

- His favorite Model 11 Remington autoloading 12 gauge.
- A yen for continuing duck hunting.
- And a prosthetic hook where his right hand should be.

His right eye was master. The steel hook, manipulated by the right shoulder moving slightly rearward, made aiming and firing difficult. Two shots at a time were often fired because of insensitive trigger "feel," using the hook to pull the trigger, and with the right eye the master eye, he couldn't shift to his left shoulder for firing. Skipping over many ideas which were rejected one by one as impracticable for some reason, we arrived at a final solution. We installed a vertical fore grip with trigger and guard, and a means of linking the fore trigger to the regular trigger.

One limitation to alterations was that the gun needs to be restored to its original condition. Star pistol frame was fitted; linked to trig...
As Burr's bullet struck Hamilton in chest, the Treasury secretary fired his pistol in the air.

Authentic pistols used in duel came from duelling expert brother-in-law of Hamilton; then through family to present deposit in New York City bank. One was altered in Civil War.

Typical of arms claimed to be "the ones" is set by Booth, Philadelphia, taken from Burr at Treason Trial by Caesar Rodney.

By WILLIAM B. EDWARDS

When my great-uncle Aaron shot Secretary of the Treasury Alexander Hamilton, he killed one enemy but made thousands. Among the thousands are the many gun collectors who have claimed ownership of the pistols with which the deed was done.

No duel ever proved the fallacy of duelling as a settlement of disputes more conclusively than did this one fought on the greensward of Weehawken Heights on the Jersey side of the Hudson. Alive, Hamilton would have ruined Burr if he could. Dead, Hamilton ruined Burr more completely than he had ever yet succeeded in doing—for victory in the duel brought Burr nothing but condemnation, scorn, and defeats that led to political oblivion.

Yet even the guns seem almost to have been a part of a deadly destiny aimed at Hamilton. They were Wogdon duelers, bought in London in 1797 by John B. Church, Alexander Hamilton's brother-in-law. Church himself had used the guns in a duel with Aaron Burr—and missed, thus saving Burr for a later and more deadly engagement. And, in 1802, one of these same guns, (Continued on next page)
provided by Church, killed Alexander Hamilton's son, Philip. This was in a duel fought at Weehawken with one J. G. Yeager. When Hamilton heard of the challenge, he turned to the Wogdon barrel and cock, and the large guard bow, as is Wogdon's signature in flowery script on their locks. So noted were his products that any Hamilton family. Hamilton took these "Wogdon's" into his 1782, began with a reference to Wogdon: Which waits alike the bully and the brave; a serious quarrel came to be known as "a Wogdon case." The animosity between the Wogdon's duellers are as distinctive, with the cock, and the large guard bow, as is Wogdon's signature in flowery script on their locks. So noted were his products that any serious quarrel came to be known as "a Wogdon case."

The Burr vs. Hamilton quarrel was definitely a Wogdon case. The animosity between the two men seems to have dated back to the time when both served on the staff of young General Washington. Burr was transferred, but Hamilton continued as Washington's right-hand man, and this increased the enmity. For the Federalists, Burr was the选拷 robber of the Articles of Confederation. Even as vice-president and President of the Senate he presided "with a fairness and dignity recognized even by his bitterest enemies." As Senator from the most powerful State he had great political control without responsibility. But he did have the misfortune to gather about him some odd friends, including General James Wilkinson. This blot upon our national record sold "a dangerous man," of whom he could "detail a still more despicable opinion."

These were the words on which Burr based his challenge that Hamilton face him "on the field of honor." Hamilton accepted the challenge, and the result is history. They met by defeating Hamilton's father-in-law, General Philip Schuyler, in a Senatorial election. Later, Burr's influence in the pivotal state of New York carried the Democratic ticket on which Burr was running for Vice-President under Jefferson to victory. Unfortunately, Burr ran for Governor of New York and was defeated, partly because of Hamilton's bitter opposition. Hamilton publicly branded Burr "a dangerous man," of whom he could "detail a still more despicable opinion."

The nation lost on both counts. The country needed Hamilton; it needed Burr. Burr was a dreamer with a talent for organization and a genius for leading men. He had proved this years before, in the Revolution, when he defied the orders of his superiors in the retreat from Long Island, but saved his men. He commanded a brigade gallantly at the battle of Monmouth. In January, 1779, he was assigned to command the line from the Hudson through Westchester County, N. Y., to the Sound. It was a lawless district, plundered by the rabble of both armies. He established martial law, a system of patrol, and restored order. This is not the record of a dissolute or heedless man, but that of a captain of firm moral principle.

Hamilton had risen in the tradition of Whig liberalism. Then Revolution gave rise to abuses of liberalism: factionalism and States' Rights dissent which, even today, are sore spots of conflict in the American pattern of organization. Hamilton, worried through the weakness of the Articles of Confederation that the young Republic should fall, became spokesman for the Federalist party. He was

... says NELLIE FOX, Chicago White Sox star and American League Most Valuable Player 

"After a tense game, I like to 'unwind' with some casual target practice with my Crosman Pellets. It's not only a lot of fun, but it keeps the eye sharp and coordinated at a high level."

"400" GAS-POWERED REPEATER RIFLE

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TONIC FORMULA 

Now you may have, absolutely free, a full 25-day supply of amazing, quick-acting FERONATED OPTUIM with its MIGHTY BLOOD-GROWING STIMULANT—superior to products that retail at 14.95 and more per 100. We pay the expense of this sensational offer ... not just a token sample but a full 25-day supply ... because we're sure this trial will prove to you that you, too, like many, thousands of others may experience a new feeling of health, youth and well-being ... a new zest for life! Each easy-to-take CAPSULE supplies your body with 45 nutritional aids including a NEWER FORM OF IRON to stimulate the growth of RICH, RED BLOOD through your whole tired, rundown system (when due to iron deficiency anemia), plus factors that accelerate absorption and give you amazing results even within the first 3 or 4 days. Also FREE the famous Vitamin-Quota Guide Book. Answers perplexing vitamin questions and shows how to SAVE UP TO $3, others are mailing. Send for your supply today. VITAMIN-QUOTA, Dept. T-939, 1125 S. Crenshaw Blvd., Los Angeles 19, Calif.

THE LUCKY McDaniel STORY 
(Continued from page 18) 

as small as a dime.

After this, you get the BB test if he thinks your eyes are of sufficient strength to follow its flight when he throws it up. "This is the supreme test of vision, confidence, and concentration," he explains.

Leaving the BB gun, McDaniel advances his pupil to the shotgun for the "graduation exercises."

The steps are basically the same. He starts slowly with clay pigeons gently tossed into the air. All the while, he is constantly urging, "Look at the top of the target and shoot." When he's not working the shotgun—and it's usually a matter of one or two shots—the targets become more difficult. Lucky has by now picked up a hand trap and is causing the clay pigeon out in every direction: duck shots, dove shots, quail shots.

Finishing touches are applied with small charcoal bricks. For one thing, they offer a smaller target. Also, Lucky can throw doubles, even triples, easily by hand.

And when you get your triple, what else do you need to know about how to shoot?

Stories about Lucky have been so numerous, a good deal of skepticism has been aroused among differently-trained shooters as to "how good" this man really is. Perhaps on the target range Lucky doesn't have a chest full of medals, for he has never followed the routine of competitive rifle, pistol, or shotgun. But some pretty hard-headed scientific shooters find his ideas and his results something a lot more than "luck."

Frank Connor, a technical aid on the Downrange missile project working out of Patrick AFB, thinks McDaniel has "got it."

"He taught me how to quick draw and hip shoot a handgun," Connor says, "something I had been unable to learn with thousands of hours of practice." Connor is pretty typical of the average "gun nut," a better than average shot, who cut his pistol teeth on a nickel plated .32 Hand Ejector which he used to toss into his bicycle basket along with hard-earned ammo and peddle out to his folks' place in the country for some shooting. When he's not aiming the heavier kinds of missile hardware, Connor worked with Lucky; was once Lucky's shooting helper. "I know there are several people floating around who demonstrate or teach the quick draw and hip shooting, but I never knew any of them who could teach the whole works in four hours."

Another man sold on Instinct Shooting is tough, experienced Col. Lyman Davison, of the USAF security set-up. In teaching Air Police to shoot and hit, Colonel Davison has learned a thing or two about practical shooting. "If there's any defect in Lucky's teaching, it's that it simplifies what you have to learn and be aware of in gaining real skill with a handgun. But I do know this much: we have taken men who shot all over the paper and, applying Lucky's principles, brought their groups right down. It's this, he reported, making a circle of his two hands, "and not only I but others in the outfit have found we are shooting a lot more over-90 scores with the pistol as a consequence. There's no doubt about it, this man has a system that works."

Whether the hunter and rifleman can profitably apply McDaniel's instinct shooting is a natural question. Veteran Idaho guide and outdoorsman Howard Sarvis, initiator of Trainfire, now studying small arms training systems at Fort Benning, not far from Lucky's home base of Columbus, Ga., unofficially checked out Lucky when the latter gave a demonstration at a turkey shoot of the Pacific Fish & Game Club. "Lucky spent about 10 minutes with me. I couldn't hit anything with the air gun at first; then I began to see the shot going and get the idea of the thing, under what I consider the most skillful and patient coaching I have ever witnessed. I got so I could hit that washer almost all the time, and then stepped aside as others were waiting ... ."

Sarvis noted that Lucky started with his BB gun throwing a 2" washer about 5 feet in the air and hitting it. Then he switched to smaller objects, Alka Seltzer tablets, Lifesavers and then aspirin pills. "He hardly ever missed," the Benning experts agreed. As to practical applications of Lucky's talents in these uneasy days, Sarvis is uncertain, not doubtful.

"Am I enthusiastic?" he asks. "I don't know. This ... reminds me of Old Bill down at the service station who does my car work, hunts squirrels, claims to beat shotgunners though he uses a .22, doesn't even know what kind of sights are on his "rifle," not even sure he uses sights ...

"I want to see McDaniel do some shooting with an M-1 on a silhouette at 100 yards;
then I want to see him do it with moving targets at that range or closer. I see no reason why he shouldn't. Those aspirin tablets figure out to around ten minutes of angle, which is a man at 200 yards... It may be there is a way to shoot the rifle at short ranges and, say, up to 15-20 moa targets, still or moving, that we have overlooked all these centuries.

"It will be as lightning and easy as pie. You don't even think about aiming; you just watch that target intently, either still or moving, that we have overlooked all these centuries."

The bottom edge or the top edge, depending was my trouble, trying to watch the barrel ranges and, say, up to 15-20 moa targets, pie. You don't even think about aiming; on whether it is on the ground or in the air. Let's figure out to around ten minutes of angle, which is a man at 200 yards ...

"You discover how you can see the BB come out and bought 500 .22s. He burned powder and I threw cans of every description, pine cones and anything else we could get our hands on—with no results at all. I suggested it might be cheaper if we borrowed a BB gun and tried it for a while. It was here that I discovered how you can see the BB come out of the barrel."

"Brooker and I immediately saw that he was shooting under everything that I threw into the air. It didn't take us long then to correct his faults and he soon developed into a darn good shooter."

"Word began to get around. Before long I picked up more money teaching on week-ends than I made in a week with my traveling job. Two and two soon began to add up to four.

(Continued on page 43)
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as I took the big fling, quit my selling job, and began teaching Instinct Shooting full time.

"Needless to say, I haven't been sorry one bit," he added.

A top shooter with skill like Lucky's, and patience to teach, didn't have to worry about a living. His talents were "a natural" for exhibition shoots under the guidance of Mike Jennings, a local promoter whose fame in the sports world is as wide as McDaniel's is in the shooting world. Jennings, who has Lucky under contract with his Unlimited Enterprises promotion firm, put a lot of big shows on the road including the Patterson-Rademacher heavyweight championship fight.

Mike, no slouch with words, put Lucky's teachings into a book, "Instinct Shooting," (Dodd, Meade & Co., publishers); now markets a BB rifle kit which is almost as good as a personal lesson from Lucky.

Boxers and baseball players as well as football player Blanton have profited in their eye-reflex skill from Lucky's training. Last spring, Lucky gave lessons to members of both the Cincinnati Redlegs and Chicago White Sox teams while they were in training in Florida. And in a sensational season, the Sox won the pennant. Their hitting may be due partly to Lucky McDaniel, the man with the most skillful and patient coaching ever...

"I wasn't the least bit interested in the money side of things," he says. "If that target is just sittin' there still, drop your eyes right under it and pull the trigger.

"Take a BB gun, for example. Step out into the yard, if it is large enough for safe shooting, and throw out a small match box or some other such object. Now, chin your BB gun, look to the bottom side of the target and pull the trigger. It should be a hit."

While he freely talks pistol and rifle target shooting, and will teach it if the occasion demands, you can't be in Lucky's presence long before learning that it is the elusive moving target that captures his fancy. When talking, his movements fall unconsciously into a rhythmical pattern of gun handling. He gestures frequently to explain his method of quickly spotting the moving target, chin­ning the gun and firing.
Wyatt told me that Wild Bill was the finest shot that ever lived, barring none. He said Bill wore a brace of ivory-handled cap-and-ball equalizers which had been presented to him by Vice-President Wilson, rather a Senator Wilson then from Massachusetts, I believe. In Kansas City, I believe, or was it Saint Louie, the boys used to hang about what they called 'The Square,' after selling off the season's robes of buffalo and such. Then Wild Bill would unlumber to back up a bet by drilling a playing card across the street—wide street, mind you. He could also hit a coin in the air and make a double with unfaltering speed and skill. He wore both guns, said Wyatt, but inwards, and drew by hooking the forefingers in the trigger guards, then spinning the guns over and lifting the hammers at the same instant. Odd way to shoot, wasn't it? Earp never made any comment on it, however. It must have suited Wild Bill, and killed a lot of men. He said that Hickok was a fine specimen of a man, haughty, proud, and he'd hunt a man through the streets like a tiger if his hackles were up.

"Did Wild Bill Hickok go blind of glaucoma? They say that he visited Cheyenne's post surgeon and has his eyes examined for the terrible disease. He shot his own deputy, you know."

"I don't know. It might be a cock-and-bull story."

"Mr. King, did Wyatt ever speak much of famed John Ringo?"

King shook his head. "I don't rightly remember. But I know that Ringo has been played up by TV and film to a point where it's all right I guess. But when the sheriff asked me how I liked it. 'Well, I says, it's all right I guess.' But when the play was about to be made. He could also

(Continued from page 21)

This made him limp. So he bought a cane and became nicknamed 'Bat' because he used that cane on the heads of rowdy cowboys in the cowtown towns of the early West. Bat also carried a second gun, a Frontier Colt. He wore it in a shoulder holster.

"Mr. King, Doc Halliday is about the most talked about gun-fighter of the Old West. How come? Did you know him?"

"Know him! How could I? I worked with Wyatt when he was in his fifties and I in my twenties. Doc Halliday died at Glenwood Springs in '97 I believe, in bed, mind you, of the TB bug. Sure, Wyatt talked of him. Doc was his best friend, and Wyatt often said that nobody, just nobody, was a match against Doc when he whipped out that old nickel plated .45 Colt. You see, Doc was dying of tuberculosis anyhow. He always told Earp he had nothing to lose. So he had the nerve of the devil himself at a gambling table or bar, and Wyatt said that nerve was half the battle in a showdown when the play was about to be made. He said Doc could kill a man over the slightest irritation. Many a man failed to die, however, due to Doc having respect for his friend, not wanting to cause trouble in Wyatt's bailiwick."

"Doc was a lawman too, a deputy to Wyatt? I quizzed him."

"Never heard of it. As a matter of fact, Wyatt Berry Stapp Earp, his full name, was next U. S. Marshal, as most people would believe. If you don't believe this, write S. A. Andretta, Assistant Attorney General of our Justice Department, and he'll tell you. Wyatt was a deputy U. S. Marshal in Tombstone."

"Have you ever heard tell of a gambling man by the name of Ben?"

Mr. King sat up in his chair and rolled a Bull Durham cigarette. A ring of butts was around his chair where he had been sitting and talking. Wyatt spoke of him many times. Ben Thompson, sir, was perhaps the greatest gunfighting man that ever lived. He killed over 40 men, not counting those Mexicans when he served in Mexico under Maximilian, or Negroes. He started the legend of Wyatt Earp along the cattletrails when his brother, Bill, killed Sheriff C. B. Whitney in the plaza of Ellsworth, Kansas, with two shotgun loads from a handmade English 12-gauge weapon. Earp made a boast that he'd not let the man Thompson 'tree the town,' so to speak, and found a badge pinned on his chest. Wyatt had the nerve, and walked out into the street and told Ben to throw down the gun. Ben conformed and later said there was some sense in the manner of that feller Earp, the way he told Ben that he'd kill him if he didn't. Ben lived on hunches but failed to follow one apparently when he and gun-slinger King Fisher came to an untimely end in the old Jack Harris Saloon in San Antonio, Texas,
where they were ambushed. Yes, one might say that Ben started Wyatt Earp's fame, then the movies brought him to Hollywood in later years, and we all know the TV build-up we view today!

"To get back to Doc Holliday, Mr. King, didn't Doc always carry his weapon, a sawed-off shotgun, under an overcoat?"

"Hell no. That is ridiculous. Wyatt told me that Doc only carried a shotgun once that he knew about, and that was when he went with Virgil and Morgan—Earp brothers—into the shootout with the Clantons at the OK Corral. Movie nonsense again, sir! The gun Doc used was sawed off under 18 inches and the stock cut off so as to form a pistol—\"a formidable weapon.\"

"Was there much powder smoke at the Gunfight at OK Corral?"

"How would I know that? I wasn't there and I am not old enough to have been there unless in swaddling clothes! I worked with Earp in the 1900's when he was in his fifties; I do know that the old-time gunslinger hung like a curtain in a room so that, Wyatt told me, a man had to get down near the floor and peer into the recesses of a room to get a shot when heavy shooting was in process."

"Did Earp ever speak about John Wesley Hardin?"

Mr. King pulled on his cigarette. "Never heard him mention anything regarding Hardin, but often talked about Hardin's cousin Manning Clements, who was a heller for sure."

"How about this Hell-raising Clanton family? Ever hear Earp mention it?"

"Old Man Clanton? Many times! He was a big-bellied, beef-eating rustler and gun-slinger, with gunslinging sons, who directed a rustling empire which stretched along various watering holes from Galeyville and Tombstone down as far as New Mexico, into Sulphur Springs Valley and beyond. And there was not a man in the Territory who dared raise his voice against the wrath and terror of Old Man Clanton. With Curly Bill Brocious as his captain, Johnny Ringo, Frank, and Tom McLowery, Pony Deal, and his sons Ike and Bill Clanton, all were killers and fast-draw artists. That feud between Wyatt and Clanton went on and was settled in the OK Corral shootout."

"Wasn't Johnny Ringo a morose sort of tragedian?"

"I don't know what you mean," Mr. King laughed. "Them words are pretty dressed up for an old cop like me, and I don't know too much about Ringo. I believe he came from Kentucky, and a fine family, and always lived at home that he owned a ranch near Tombstone, as he didn't want to worry his Ma. Funny thing about a killer, isn't it, always worried about his Ma. I once knew a killer who has her mother's name engraved on the grip of a .32 rimfire Sharps pistol."

"How about Clay Allison? Did Earp speak of him?"

"Yes, Said Allison was a killer when drunk and liked to pick fights with gunslingers in particular. He told me Clay once dug a hole with his neighbor and they got down into it and fought a fight with Bowie knives to the finish. He said Clay stood six feet, two inches tall, in his three suits and remembered him well when he stood before Wyatt in Dodge, only to back down when he found Earp had the pushing end of a .45 in his guts. Wyatt said he was a mighty tall man that he knew about, and that was when he went with Virgil and Morgan—Earp brothers—into the shootout with the Clantons at the OK Corral. Movie nonsense again, sir! The gun Doc used was sawed off under 18 inches and the stock cut off so as to form a pistol—\"a formidable weapon.\"

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EARLY & MODERN FIREARMS CO., INC.
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and prowess with arms was ever eclipsed, it was usually by another American—perhaps Doc Carver, or "Missie" Annie Oakley, or the redoubtable straight-shooting Buffalo Bill Cody.

But suddenly this sports competition ceased. Suddenly, the very organization set up to monitor U.S. participation in International pistol shooting, The U.S. Revolver Association, dwindled almost to nothing just as it was getting started. The few pistol developers along the lines of the International Shooting Union (Stockholm) requirements were today's collectors' items: the famous Smith & Wesson top-break single shot with its "Olympic" rifling, and the lamedent U.S.R.A. Model Single Shot Harrington & Richardson.

What chopped this spirit of friendly world sports participation in the neck, what delivered the rabbit punch of isolationism to American shooting? Perhaps it was the "keep out of Europe" sentiment which plunged us into World War II, or perhaps it was the shrinkage of Depression. The effect was certainly the U.S. and the rest of the world drew farther apart. The split was symbolized by the schism in the shooting game and was exaggerated by our miserable failing on the fields of sport when we tried to compete.

Fortunately, this is a sport, a game, a hobby, a recreation. There's no need to mend one's ways. And with teamwork, also typically American, industry, competitors, engineers, management, and military high brass, have clubbed together to do something about it. For want of a better name, what they have created is called The High Standard International Free Pistol, a calibre .22 Short that when commercial has been called "the Hancock pistol," or the "Donovan gun," or "Wilhelm's wonder," or "Gano's get," for among many names and men who worked to build the pistol which the United States International Team will fire at the Rome Olympics, perhaps for Golds, these men stand out.

Chunky, compact Bill Donovan has the look of a rugged, honest Irish cop. But as an honest American businessman, he is vice-president of High Standard. With the company since 1940, Bill has had many second thoughts on the back of an American free pistol at the recent international jousts where we have been so roundly beaten. It's a backhanded sort of compliment to say that the dropping block "Martini" system pistols of foreign manufacture are actually "the invention of the American, Peabody, modified by the Swiss, Martini." The fact is that U.S. shooters have either used foreign-made pistols, or wrapped tape and lead to the barrels of home-butchered, otherwise-reliable and sound, U.S. sport pistols. And a putty-handled plinker simply isn't in it for class with an ounce-light-trigger Free pistol of Swiss or German make which may set itself off when a light breeze buts against the trigger. (The record keeper will give you an alibi and a second shot when that happens in ISU matches.)

But Donovan is not a gunmaker, though he plasters a fine straight wall if he's a mind to do it. Unfortunately, the skill to lay plaster isn't what it takes to design guns, and High Standard had to wait a long time for circumstances to jell and a Free Pistol to emerge.

Another man clashing at the absence of any decent American single shot was Col. Tom Hancock, chief of the Advanced Marksmanship Unit at Fort Benning, Ga. It's an interesting story that under a military and civilian contacts don't procure a new product, it is often left up to the military to somehow evoke the capital from Congress and accomplish the needful. Maybe this is "competition" with private industry, a change often leveled and perhaps with justice at some work of our military contacts. This case. Defense and Industry perfectly supplemented each other, and it happened this way . . .

Sometimes truck drivers entering Service are sent to Cooks & Bakers School; and some civilian ordnance men learn how to be hospital orderlies. But sometimes the peg and the hammer brough to us a younger than the average shooter's conception of a "master gunmaker." But to those who know him, know his ability and his imagination, he is tops in the field. Gano, under Col. Hancock's urging, got the green light, worked out some Free pistol notions that showed considerable promise. Hancock managed finally, from the work done at AMU, to himself get the okay to publish a tender for bids to Industry, seeking a Civilian contactor to take over a development and tooling job. And as Donovan puts it, "We have a pretty good reputation for .22 pistols, and we got the job." Now
Gary is sharp, no doubt about it. His work range practice was expert enough to make his first public showing. Such a safety feature would tie in for the solution both Gano and Wilhelm agreed upon. A Free pistol in good form will tie a solid result of grip-held 6th V. batteries, an electrical trigger is definitely new. Donovan hopes.

Right now the pistol is only for the Boys from Benning, the men selected through stiff competitive shoot-offs to represent the U.S. at the Rome Olympics this September. Whether you will be able to buy one of these new pistols is pretty much up to you. If five people in the whole country want one, there isn’t market enough to make it possible to sell them. But Uncle Sam has underwritten the cost of development. The market must exist in the U.S. Mere arithmetic says that those few Free pistol shooters before the War—the 1941-45 war, to you youngsters—will have expanded into many thousands in the next decade. Even without any promotion and formal competitive interest in Free pistols there would be a market of sorts.

But the type of man who enters a new field of sport does so not for the game alone, but to match his wits and skill and nerve against his fellows. Come the 1960 Olympic shoots in Rome, win or lose, will the American Free pistol at home prove itself a winner with Stateside shooters?

Wilhelm hadn’t been sleeping at the switch, either. And the simile is pretty appropriate, for the solution both Gano and Wilhelm agreed upon was— an electric trigger. The resulting pistol package is no Buck Rogers contraption of power packs and generators, but makes use of the obvious in modern technology—miniaturization of circuits and power sources, applying it to firearm functioning. It is a neat handgun of conventional free pistol styling. The new stuff is inside.

Electric triggers are not new. The idea has been kicking around, first in France before the turn of the century, and in later years even applied experimentally to the Model 52 Winchester. But the practical production use of an electrical trigger is definitely new.

The striker is held cocked by a rotating sear which is forced to pivot about its center by pressure of the striker spring. But the striker, forcing against a slope on the sear, is blocked in "cocked" position because the rotating sear itself has a sub-sear notch into which the end of a long sear bar or connector rises. The bar end is hardened, resists the direction of thrust of the rotating sear. But when the trigger is pulled, closing the circuit of grip-held 6½ V. batteries, an electromagnet is activated. With the ear-blocking end of the sear bar or connector jerked out of engagement with the rotating sear by sudden magnetic force when the trigger is touched, the rotary sear is free to pivot and the striker slides over it to bust the cap.

Mechanically, it resembles in some principles the trigger in the new Savage M99 or the Model 70 or other "can’t jar" sears of custom smiths. But the application of electricity in this fashion is all new, imaginative, practical. And, above all, safe. In the mechanical elements of the new trigger are screw-adjustments to permit the best trigger pressure, position of guard, and other conveniences for the shooter. Barrels of 8”, 9”, and 10” are available, the latter weighing 50 ounces. Mass production of the new gun will bring prices under the $300 of foreign makes, Donovan hopes.

Variously known as groundhogs and woodchucks

Deadly long range accuracy for varmint shooters

Natural at any shooter so well equipped as Gene Haworth hunts with Hornady Spire Point Bullets. He appreciates the distance and accuracy these bullets assure him. Their spire shape gives Hornady varmint bullets pinpoint accuracy plus explosive power for killing at extreme distances. (Hunters have reported one-shot kills to 650 yards.) Driven at high velocities they’re dynamite on small game.

Choose from a wide variety of varmint weights in 22, 6MM, 25, 6.5MM, 270, 7MM, and 30 calibers. Super explosive bullets especially for the 222.
in competition. Believing that, we enter as many matches, large matches or small ones, as we possibly can. The Club pays the entry fees in team matches in registered shoots. Practice is essential, and we practice. Member-against-member rivalry breeds desire, and we have that. But actual competition in a lot of matches, league and non-league, separates the men from the boys. If a man’s match scores are low, he knows he either needs more practice—or better self control under match pressures."

Dudley paused, grinned half-sheepishly, and made a shrugging, hand-spatting gesture. "I’ve told this to other clubs, and some of them have said, ‘Sure! We know all that; but—how can you get members to put in all that practice, and attend all those matches?’"

"Well, as I said, I guess we’re just lucky in having members who have that kind of interest. But you’ve got to keep your members interested; interested in shooting, and interested in the club. We try to do that by running our club efficiently, by providing a lot of shooting activity and a lot of good fellowship—a lot of fun."

"We work hard for good attendance, both at club sessions and at matches. We are all agreed that good attendance at matches gives us a definite edge on competition, because if one member doesn’t shoot up to his par in a given match, his low score probably won’t hurt the team score—some other team member will come through in your place with a ‘good’ score."

"To be a successful shooter you must practice as often as possible, both on the range and at home by dry-firing. Dry-firing is excellent, and essential for trigger control; but of course it does not eliminate the necessity for practice with live ammo. Our Club members also must practice match shooting, and every chance to compete should be accepted."

The B.R.R.C. has 500 active members in its pistol, rifle and big bore club. Charley Wolff, a top shooter with the Club, has been a referee at Camp Perry and is a Director of the N.R.A. and a member of the Pistol Committee.

New members to the B.R.R.C. must be recognized by an existing member. The existing member is responsible for the new member. Each year, the Buffalo Revolver & Rifle Club operates N.R.A. classes on pistol shooting, which includes marksmanship, gun-handling, safety, nomenclature, etc. All new members must attend such classes and are given a National Rifle Association manual to study.

Dudley pointed out that good organization is essential in the success of any shooting club. An annual meeting of the B.R.R.C. is held to elect officers, plan the spring and fall shoot series for the coming year and elect members to the seven-man board of directors. The Board meets once a month. At these Board meetings, new members receive a 90 day probationary card, which among other things, requires that the member shoot during the probationary period. Dues is $5.00 a year and the range fee is 25c a night. The B.R.R.C. has been at the present club building for the past eight years, having moved from Niagara Street in Buffalo.

With seventeen teams in the Niagara Frontier Pistol League, each team fires a match with each other team in the League at least once in the season and with half of the teams twice on a home-and-home schedule, thereby making two divisions. Those that have met once make one division, and those that have met twice make the other. (Similar to the schedule of the National Professional Football League.) There are 23 matches in a season. At the conclusion of the season, the winners of the two divisions meet for the League Championship.

An interesting feature of the indoor range at the B.R.R.C. is the interlocking steel backstop. Any section can be removed and replaced without interfering with the overall backstop. This backstop was designed by Andrew Kreitner, a club member and architect. It is formed by welding angle iron overlapping the plate on the one side and short of the edge on the other, so when it’s bolted the plates are drawn together.

The club uses the N.R.A. standard 50 ft. indoor target in slow and timed fire, the frame being 15" by 23". A new target timing device, designed by club president Sutton, has drawn favorable comment from many expert shooters. Basically, the novel device operates as follows:

Targets normally are turned sideways at the start of course. "Start" button is pressed at command "Ready on the firing line." In three seconds, the targets turn 90°, facing the competitors, and after a pre-set interval of time (10 or 20 seconds) the targets return to the "side" position. All this is accomplished automatically by the one depression of the "start" button. The targets may (Continued on page 32)
GUNS JUNE 1960

TERIFIC BUY!

WINCHESTER

.22 only

$9.95

BARGAIN OF A LIFETIME!

This Winchester Model 47 bolt action single shot rifle features: 21" round, tapered proof marked barrel; recoil operated; in stock made in USA. Weight, 7.9 lbs. Nickel blued. Sold with 100 round box of .22 short ammunition for only $19.95. All stainless steel Winchester.

.38 S&W ENFIELD COMMANDO REVOLVER $12.95

This quick-draw, double action revolver was the weapon of World War II's famous Commandos. Appropriately accurate, packs a powerful punch with light recoil. Easy handling, thumb rest grips. Good condition. .38 Special; overall length 9". Wt. 29 oz. Capacity 6 rounds. A collector's find. Now only $12.95. For select models add $1.58. Cal. ammo. box of 24 $0.83.

FREE AMMO!!

Box of military ammo included FREE with rifle purchase.

Note: Offer valid only if coupon below is enclosed with order.

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MAIL COUPON

TERIFIC BUY!

WINCHESTER

.22 only

$9.95

BARGAIN OF A LIFETIME!

This Winchester Model 47 bolt action single shot rifle features: 21" round, tapered proof marked barrel, recoil operated at muzzle. Winchester model 70 .308 cal. Windsor stock. Short or long scope. Variants for .223 cal. for war surplus. Up to 15 rounds. Only $18.95. With scope $22.95. AMMO: 100 rds. .223 cal. $5.95.

.38 S&W ENFIELD COMMANDO REVOLVER $12.95

This quick-draw, double action revolver was the weapon of World War II's famous Commandos. Appropriately accurate, packs a powerful punch with light recoil. Easy handling, thumb rest grips. Good condition. .38 Special; overall length 9". Wt. 29 oz. Capacity 6 rounds. A collector's find. Now only $12.95. For select models add $1.58. Cal. ammo. box of 24 $0.83.

FREE AMMO!!

Box of military ammo included FREE with rifle purchase.

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TOTAL PRICE _______

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Note: Please endorse 1 box of FREE Military ammo with purchase.

NAME: 

ADDRESS: 

CITY: 

STATE:
To be turned manually by separate push buttons.

What kind of pistols are popular with the B.R.R.C. members? They use High Standards, Colt, Rugers, Remingtons and others—with makes fairly evenly divided among the members. Do you need a special type of pistol to become a "good" shooter? Pistol Exec. Dudley says, "A shooter can't 'buy' a good score. He has to earn it. You can't purchase the most expensive gun when first starting to shoot, but to obtain a standard make and learn the fundamentals of shooting first. Later, the shooter should be able to tell which type of pistol suits him best, and then is the time to go overboard and purchase a better pistol, if necessary." But he says, "get a good score with a standard make weapon. Any hand gun of good make will shoot better than the fellow holding it."

Who are the Club's top shooters, how good are they, and what do they shoot? Well, Bill Sutton, President of the B.R.R.C., and Harold Dudley, Pistol Executive of the club, are top two pistol shooters, shooting up in the 280's and 270's respectively. Other top scorers in the pistol department are:

- Charles Wolff with a 273 average, using a Colt M.T.;
- Donald Barber, 268 average, uses a Ruger MK1;
- Tony Tomasik, 266 average, with another Ruger MK1;
- Earl Jones, with an average of 266, uses a Clark Ruger;
- Marion S. Pagano, with a 266 average, uses a Hi Standard Citation;
- George Young, 272 average, favors a S&W-41;
- Earl H. Diffenbach, with the his Colt M.T., was for years the Club's high man with a score of 275, but he recently moved away.

Besides winning the 100 league pistol matches of the Niagara Frontier Pistol League in Four straight seasons without a defeat, the B.R.R.C. has gone on to win the New York State Indoor Pistol Championship in 55, 56 and 57, competing in the New York State Pistol and Rifle Association matches, all of which are held indoors. Three out of five of the top shooters with the B.R.R.C. team at the Camp Perry meet in 1957 were from the B.R.R.C. They were Sutton, Wolff and Dudley.

The Niagara Frontier Pistol League was organized in 1938. There was little or no activity during World War II, since during that period of world crisis the League devoted its time and effort totraining plant guards, recruits and other war activities. At the end of hostilities the Niagara Frontier Pistol League again started to function with teams matches. The League, with three Canada.

Prices subject to change without notice

SHOTGUN FOR ONE-ARMED HUNTER

(Continued from page 37)

must be easily restorable to "factory" condition in case of future resale.

First, a new forearm was fitted, that allo­

owing the shotgun to be comfortably attached by gripping the vertical forearm with rearward
target trigger linkage. For the grip, a frame of the Star Model F pistol was obtained from Fire­
arms International, and modified by milling off the barrel lump. Pin holes, safety mounting
hole and magazine hole in the bottom of the frame were filled with weld and finished smooth. The original Model F trigger was then replaced in the frame, and a booster­
spring guide arranged in the recoil spring guide hole. This spring, with the linkage to the actual trigger attached, gave a controllable amount of trigger force to prevent accidental discharging when the pistol is held and trigger pressed using the left hand. The best final solution for trigger operation abandoned metal rods and bars for the linking; used instead choke control cable with the heavy coil around fixed tube guiding the inner very light steel piano wire. Because the Remington Model 11 is a bottom-loading gun, the cable was led along the edge of the receiver, clearing the loading port. A steel clamp block, milled to contour, was screwed to the receiver with two 6 x 48 gun screws. If the one-handed shooter desired to sell the weapon later, these could be inconspicuously closed by blind screws. With a trigger shoe pinned to the trigger, the piano wire was led to this shoe and, through a tiny drilled hole, set-screwed into place.

The final problem was to weld a small gauge shotgun to the original trigger guard. This was for the prosthetic hook to contact. It gave the right arm a degree of control and "feel" in handling the gun, but prevented the hook from interfering with the trigger func·
tioning now that this had been changed to left-hand forearm operation. The hook could later be easily removed by grinding, and the original trigger guard reblued if the gun was disposed of.

Shooting tests of this modified Remington were pleasantly surprising. The vertical fore­
grip seemed to minimize the extra forend

weight. After the test shooters got accus·
tomed to handling the trap gun, with the left hand, and the gun was easy to use. Our now­ecstatic one-handed hunter hated to relinquish his new prize for the final steps of polishing and bluing, but the end results made him glad he had waited.

Should other shooters have similar problems, or if there is not the only nor indeed the best possible way to solve them. But ours works, and has held up well in the field. It's a guide to solving the dilem­ma of a shooter who has no shooting hand. And don't overlook the good feeling that is yours when you have been instrumental in helping a handicapped brother hunter back into the field.

Bottoming Chisels

Europe's Master Stockmakers Bottoming Chisels. These tools help to save time and improve quality of your inletting. Imported from Germany.

Hand forged, top quality steel

Price—Set of 3—Add $3.75

Each $2.00

Send 25c for 48 Page Gunsmith Catalog

FRANK MITTMEIER

Guns & Supplies—Established 20 Years

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New York, 65, N. Y.

$6.95

Fits like the handshake of a good friend!

Antique Shop for your own shop & all other retailers. At your dealer. Stamp for brochure.

For ducking, hunting.

Box 49702, Los Angeles 49, Calif.
NEW LOW PRICE .22 CONVERSION KIT
FOR ALL 1003 SPRINGFIELDS
Handsome conversion unit allows your "bought used" bolt-action .22 Sporter or big game rifle to past. New, complete conversion kit. Install in 5 minutes! No shims or matching parts. Machine milled. Available in .22 long, short, and long Magnum. Choose: .22 long rifle, .22 short rifle, or .22 long magnum. Each $3.75. Extra magazine $1.75 post.

STEVEN-SAVAGE .22 CALIBER MAGAZINES. New. Fits all Stevens and Savage models after 1935. Specify $3.50 ea. for $17.95. For $2.25.

U. S. CARBINE MAGAZINES
FREE Water (44) dirt & tobacco proof rubber va given w/ magazine.
• 5 shot capacity—required by law for hunting fits
• Bush with guard—streamlines appearance. Solid machined and finished overlong added. 5 additional clips gives even better modulus. Price includes tube. Used clip, apply small charge.

REMINGTON 500 SERIES
22 caliber magazines, 8 shot. New, only $1.00 ea. 2 for $1.15. 3 for $1.55.

NOW—SPECIAL PRICE SPRINGFIELD 8 BLADE SCREWdrivers as issued. New....$1.00 p.pd.

GARAND RIFLE CONVERSION KIT
Economical, fast, easy to make. Garand fully legal for hunting in most states, equally installment & remove. Set complete with special tool made in U.S.A. 2500 model clips. $3.50. Extra 1000 model clips $2.50.

BEDFORD JR. SCOPE RINGS:
Best “barrel” rings. Fits all Redfield Jr. bases. Very special...

SAVE $8.25 in lots of 75
.50 Cal.
brass brushes
for service guns. The same superior quality brush as used at brand names stores—long lasting & fast. For all standard caliber barrels. Long Lasting. 25 brushes $1.25 $25. Extra $2.00.

WINCHESTER '73 PARTS
Winchester '73 Extractor—new. $2.50 p.pd. 75 bronze pist конкурс+4999.99. For other '73 parts.

SCHUETZEN-OPEN REAR SIGHT

SPECIAL U.S. GARAND FLASH HIRS (M-2) as issued. New. $2.95 plus 30c post.

LARGE IVORY BEAD SHOTGUN FRONT SIGHTS
Improve sight. Special. 4 beads for $1.00

GARAND TOOL

WORTH ANYTHING WHEN NEEDED
In field or range, this entrance tool may be needed at any time—dur bullet dimmishness, because of poor extracation. with foods obstruction. Wide handles—"similar to licor—only latest model with licor brush end". Fits conveniently in both trap—keep shooting, a good investment. As issued, only $1.00 ea. Ideal to carry with gun, new firing pin, case, etc. Case $1.25.

EXCITING NEW GUN COURSE!
WOULD YOU be interested in a correspondence course on PROFITABLE gunmaking and gun dealing? Get the straight dope on how to make real money and build up a gun collection at no cost (and practically no hassle). THE COURSE will be prepared by nationally known gun editors and dealers. Fully covers such subjects as "Establishing your own gun shop" and "Gun dealing for profit" (under wholesale). How to trade profitably, clearances, terms, and other 'tricks of the trade." You will receive a full range of service, including a MODEL GUN at no cost, plus the benefits of a gun collection at no cost. The FIFTEEN detailed, illustrated lessons that would normally take 3 months to complete in a "layman's gunsmithing" class. In short, you get all the practical trade secrets—plus the benefits of gun collecting at no cost. You may write to us and we will send you full details of a complete "layman's gunsmithing" course, plus the benefits of gun collecting at no cost. As issued. Only $3.75 plus 30c post.

ANOTHER NUMRICH SUPER SPECIAL
HEAVY-LEVEL SUPER TARGET .22 BARRELS
NEW REMINGTON HATCHETMAKER BARRELS, for use in barreled blanks or on Remington guns in the .22 series. 22 shots in .22 W.R.M. Each $19.95 plus 70c post. We have a complete line of Remington parts. For use in your new gun we suggest you pick up 2 or 3 of these at this price and use them for your own "overgrown" Remington, suitable for center fire calibers, to use in your "gusty" practice. In stock: Muzzle and front sight for above. $3.33.

EXTRA HEAVY .22 CAL BARREL BLANKS
Pull 1 1/2" diameter, straight, rolled blank. High alloy steel, adaptable to Win., 92, 1873, and other lever guns or any 12gauge. Made by mfr. for the .22 caliber. Made to "lengthen" your guns. Only $3.95 plus 50c post.

ORDINANCE TOOLS for U.S. Carbines

U.S. GARAND GRENADE LAUNCHERS

WANTED: Broken, incomplete guns!
All kinds for usable parts. We buy lots of 1 to 1,000 known at SHF prices. We must have parts and keep an eye on many of these to buy breaking up used guns. Mail for our offer. Check advertised elsewhere. Merchandise returned prompt is offer not satisfactory.

GUN SMITHING Helps Give Instructors
Could do for you! We believe we can show you how to do this and more. Demand for gunsmithing is constantly growing. For many years we have helped many men build up a gun collection at no cost—and in some cases a profit. You will be appreciated.

THE COURSE invariably makes more money for you than it costs. You will be given a complete "layman's gunsmithing" course, plus the benefits of gun collecting at no cost. To receive our complete "layman's gunsmithing" course, plus the benefits of gun collecting at no cost, you must write us and we will send you full details. As issued. Only $3.95 plus 30c post.

SPRINGFIELD 1903 RIFLE

SIGHTS (for B.A.R.) Often used on heavy target and varmint guns. Legs adjustable for height, and fold-up against receiver. As issued. Only $1.85.

LYMAN 7A REAR SIGHTS
ADJUSTABLE FOR HEIGHT, WIDTH, ETC. For Hi-power or small bores. From discontinued model. Heavy target and varmint guns. Legs adjustable for height, and fold-up against receiver. As issued. Only $1.85.

LYMAN 57A REAR SIGHT
For old Model Rem. 11" (Ramp) for .22 rifle. Made by mfr. for the. 22 caliber. Made to "lengthen" your guns. Only $1.00.

LYMAN 7A BEAD REAR SIGHT
Made 1954 of new rubber, superior to any made ore ....... New, in original wrap & all. Only $1.00.

SATISFACTION ALWAYS GUARANTEED
We have seen 20,000,000 gun parts in over 27,000 mail order sales. Compare our prices with those of other firms. Foreign orders welcome for free quotations.

NUMRICH ARMS CORPORATION

WEST HURLEY 1, NEW YORK
The most successful of them, the MG42, resembles the M60 in method of manufacture, speed of barrel change, belt feed, and weight. It differs mainly in its extremely high rate of fire, 1200 rounds per minute. This high rate is a distinct advantage for a gun primarily intended as a squad weapon, around which the riflemen maneuver. "Targets of opportunity," small groups of individuals at medium to long range, are covered by a hail of MG42 bullets before they can take cover, the way a shotgun pattern covers a bird.

The American army has always insisted that the individual rifleman is the proper base of fire, and demonstrated that the M1, backed up with a sprinkling of BARs, can balance an LMG equipped opponent. The objections to the squad LMG are that it and its crew is vulnerable to enemy counter-fire and that the gun itself is too heavy to keep up with the riflemen.

The M60s low rate of fire, 550 r.p.m., sacrifices the shotgun effect of the MG42 to qualities more desirable in a fixed defense gun: conservation of ammo, mount steadiness, accuracy, and long barrel life. The M60, according to policy at the time we tested it, will be issued two to a platoon, forming part of the weapons squad along with rocket launchers. It is in fact a heavy machine gun so lightened that it can perform some LMG roles, rather than an LMG adapted to defense uses. The M14 full auto shoulder rifle will assume some of the tactical function of the LMG once served by the Browning Automatic Rifle. At present, none of the heavy barrel BAR-like M15s are being ordered. The M14 rifle paired with the M60 general purpose machine gun will do the job.

In addition to traditional American attitudes towards the LMG, two other considerations must have affected the design of the gun. The first derives from the problem of stopping mass attack of the "human sea" variety so effectively employed by Communist Forces in Korea, and by Russian troops. The M60 is a better gun for this purpose than the MG42. The other consideration is current U.S. thinking on the role of fortress defense. The M60 is a better gun for this purpose than the MG42.
zones of fire, will be a cheap and effective stop to operations "behind our lines."

During acceptance tests, the M60 fired 20,000 rounds in one-hundred round bursts, with one minute cooling between bursts. This is the same as firing a water-cooled heavy MG must pass. Although the barrel was originally planned for "quick take down" to switch to a fresh barrel when the first became overheated, the test revealed this was not necessary. The first 9" of bore is of Stellite, an alloy developed by Haynes Stellite Co. of Kokomo, Indiana, which has high erosion resistant properties. At incandescent heat, the Stellite rifling still carried the load. It did not wash out. Use of this metal plus Congressional thrift on research terminated further design on the barrel group, although it is not the best quick-change barrel on a gun in use today. Bipod and gas cylinder group all are integral with the barrel, must be removed with it. Since the new barrel needs an identical fitting, extra cost and weight result from this design. The word from Ordnance is, that with the Stellite lining, barrel life is so satisfactory there is no point in redesigning the assembly, while practice in the field suggests the gun will be treated as a fixed-barrel arm.

To change barrels, I cocked the piece, set the swinging thumb lever on the side of the piece to safe, and hit the barrel catch lever on the right side of the receiver. A friend who helped me in the shooting, who would ordinarily be the assistant gunner, grabs the bipod (the barrel itself is HOT) and pulls barrel group including bipod and gas piston assembly out the front of the gun. Inserting a second barrel, one merely flips the latch and the gun is ready.

The buttplate, feed cover and pistol grip are covered with neoprene, protection against accidental freezing contact of skin against metal.

Breakdown for field cleaning requires only a cartridge as a tool. The catch on the butt group can be reached by the bullet point, releases the butt which slides straight back. The double-wound springs, heavier and longer-lasting even than MG42 springs, can be removed. The bolt assembly and gas piston can be removed from the back, after relieving buffer pressure upon a vertical cross plate. With the plate pried up by a cartridge as lever, the back of the receiver is open for complete stripping. The trigger group can be reached by the bullet point, the swinging thumb lever on the left side of the pistol grip to safe, and hit the barrel catch lever on the left side of the receiver. A friend who helped me in the shooting, who would ordinarily be the assistant gunner, grabs the bipod (the barrel itself is HOT) and pulls barrel group including bipod and gas piston assembly out the front of the gun. Inserting a second barrel, one merely flips the latch and the gun is ready.

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and grip removes by un-springing a flat retaining plate, freeing the cross pins, much like the earlier German designs. Sights are 100 meter minimum, and then graduations in hundred meters from 300 to 1200 meters.

Training will dispense with fire from full defilade; that is fire directed over the heads of our own troops from a rear position hidden from enemy observation.

The new training table will require firing from bipod, tripod, hip and the shoulder without mount in kneeling and standing position. In the latter positions, the new cardboard 100-round belt container will be used. The total package will weigh about 32 pounds—not easily held and, it would seem, oddly uncompromising in terms of most firepower for least weight, with some other LMGs available which in a similar fitting firing from a 250 round back pack weigh not more than a good target rifle held at the shoulder.

The M60 uses the captive gas piston assembly effectively and efficiently.

Starting in 1956 with the time-tested swing-arm feed, Crosman engineers undertook the task of devising a reciprocating CO2 rifle cylinder that would meet extreme performance standards. The goal they set for themselves was—100,000 rounds without malfunction.

An entire segment of the Crosman Arms engineering and technical section was instructed to go all out on a crash program. Within the next four years, many models were designed, tested, and discarded. But each hand made unit was an improvement of the previous prototype.

Extensive field tests involving civilian and military personnel were conducted in 1957 and 1958 at the Camp Perry Matches, National Rifle Association conventions, numerous regional pistol meets, and at sporting goods dealer shows throughout the nation. Each new and improved model incorporated the recommendations of gun experts and top shooters, and the Crosman semi-automatic, (already being called by its makers "The Pistol of the Champions") was being
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TOWN AND COUNTRY Citizens Radio Band Transmitter-Receiver enables two-way communications between mobile and fixed locations. Fully portable, it saves time, steps, and money. Precision-built, rugged, foolproof, and dependable, an easy, modern way for outdoorsmen to communicate. Known as Model TC-27, it comes equipped complete with antenna, microphone, and cables. No wires, no skill required, but switch on and communication for business or pleasure can be made up to 10 miles away. The unit is rated at maximum authorized input of five watts. Full instructions included. It is manufactured by Utica Communications Corp., 19 So. La Salle St., Chicago 3, Ill.

ALLENAU FITZ GUNSLINGER GRIP reproduced in exact appearance of fine Austrian Stag horn. Precision-molded from genuine Fitz Duramite, gold-bond guarantee against breakage. Made for Colt, Ruger, and High-Standard Frontier-type revolvers, the Gunslinger follows classic contours of original "Hawg-Leg" handle of the old Six-Shooters. A product of Fitz, P. O. Box 49702, Los Angeles 49, Calif.

BAVARIAN LODEN COAT is rugged outdoorsman's garment, made of a double layer of woolen Loden cloth. Preferred for centuries by Europe's mountaineers and foresters for protection against the elements. Quilted sleeve linings provide extra warmth. Detachable double hood. Available from Imports By Mail, Inc., P. O. Box 341 Midtown Sta., New York, N. Y.

ROMER '60 COACH, highly styled and dependable, Pat. No. D-185,146, engineered for sportsmen. Romer coaches are made of kiln dried lumber with quality aluminum skin, plus all built-in features of home. The coach takes the outdoorsman over rough mountain roads, to hide-a-way or retreat, to the desert wilds, along the highways and by-ways. Accommodates five, or more, and is weather-proof. Doubly insulated, completely undercoated, built-in jacks for easy placement and removal and storage, ventilation from all sides, interior and exterior lighting, icebox or refrigerator, and light, but sturdy and rugged construction, contribute to all-around appeal and dependable service. Manufactured by the Honorbuilt Trailer Mfg. Co., 756 Hansen Ave., Lakeview, Calif.

BAVARIAN LODEN COAT, now distributed by Dakin Gun Co., San Francisco, is rapidly gaining American favor for such standard features as Breda Ventilated Rib, "Quick-Choke," and special construction permitting field-stripping in less than a minute. Every component part, even the raw steel, is fabricated in the Breda plant in Brescia, Italy.
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Order Form page 42
Pachmayr, these handsome gun cases keep your side arms safe and secure all in one place. Mate rack for guns, space for accessories and special mounts for spotting scope. Made of rugged light-weight construction and finished in simulated black or brown alligator outside and fully lined inside. Choice of 4 or 5 gun models with or without handars a wide variety of prices, for, are here grouped in vast quantity as thick as flowers on wallpaper.

Three long curving halls extend away from the entry area, acres of weapons in glass cases or, for cannon and machine guns and other heavy gear, placed artistically so as to permit aisles and paths for the visitor, but right out on the floor accessible for study. While there are the usual "hands off" signs and individual cannon may be roped off to prevent prying fingers from taking home the breach blocks, the brown-uniformed Belgian soldiers who stand quietly on guard will not stop you if you merely want to take a closer look. But do not be misled by their capability as guards, that even during the 1939-45 war (relies of which fill acres of a new hall toward the far end of the building) the occupying troops both of Germany and later of Canada and America did not get away with anything. Oddly, the Germans during the occupation removed rifles of the French Lebel Model 1886 pattern—why, has always remained a mystery to the museum staff. Otherwise, this magnificent collection remained intact. The Germans left behind in surrendered rifles, pistols, machine guns, and fighter planes far more than the paltry few French Lebels they took. Indeed, successive wars which have devastated little Belgium have contributed richly to the completion of this great museum. There is a group of edged weapons, sabers and lances, minature battleships and naval vessels, and models of artillery which have been used in the Belgian Army. The Library is also huge, on the specialized topics of weapons and warfare. It is a rich source of combat from the 18th century to date, and is well known to the universities of Europe whose students often travel many miles to examine some volume which the Brussels Army Museum alone may possess.

In walking on fast-aching feet through the halls of the Gun Museum, the majority of visitors, if they remain for more than a few minutes, will stop at the Telemeter. This is a device with a dial which indicates the speed of a man, his reaction time, and the time it takes to throw a hand grenade. It is a device which is used by the military in training and testing personnel. The device is made by Telemeter, Inc. of Los Angeles, California.

The museum is open seven days a week, from 9:00 a.m. to 5:00 p.m., except on national holidays. Admission is free to all visitors, and there are no age restrictions.

For more information, please contact the museum at 1220 S. Grand Ave., Los Angeles, California, or visit their website at www.brusselsarmymuseum.org.
into the museum by a special railway spur. For decades the task of arranging and preparing these tons of munitions has been the lot of Louis Leconte, Founder and Conservateur (director) of the museum, his bronze bust now guards the entrance to one huge lighted room filled with captured German trophies.

The Kingdom of Belgium is small. But its people have always been noted for their industry and energy. The extensive arms trade flourishing at Liege since the 1400s plus the shipping facilities of its great ports of Antwerp and Ostende have all made Belgium a rich prize of war. Hence the warring nations of Europe have often waged their battles on its soil. The great Napoleon met his end at Waterloo, and the trophies of this era, magnificently chased and inlaid duelling pistols, drums with the insignia of regiments of past glory, banners and battle flags torn by the blasts of war, all mingle into one vast archive of history to make visiting the Brussels Army Museum an unforgettable experience for the arms man.

## HAND LOADING BENCH
(Continued from page 13)

Machines are shipped adjusted for a given load. Those bought by mail will not have the plastic shot and powder hoppers installed.

They are a very tight fit, difficult to insert by hand. I slightly beveled the inside hopper edge with a sharp knife, and set it in place. I put a block of wood on top and tapped it with a hammer. Both hoppers drove home pronto. This tip should be in the directions. Screws hold the hoppers in place, but are hardly needed when they fit this tightly. The lab has a beveling tool, but the tip is slightly beveled the inside hopper edge with a sharp knife, and set it in place.

Extra die sets (less charge bar) are made for 12, 12 Magnum, 16 and 20 gauge at $14.00. The DL-100 Loader has many features of the DL-200 Loader that sells for $99.75. Both are manufactured and wholesaled by Western Gun & Supply Co., 3730 N. 56th St., Lincoln, Nebraska.

### .44 Load Addenda

Some comments were received on the velocities noted in my last column on handloading for the .44 Magnum. The 2,000 f.p.s. with Jugal bullets is technically correct. All the Jugal ballistics are somewhat misleading. They were obtained in laboratory pressure barrels of minimum dimensions. The actual velocity of all these loads will be lower in your revolver due to gas leakage between the barrel and cylinder. Larger dimensions also reduce velocity with any load.

Standard .44 factory loads are published about as per this table:

<table>
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<tr>
<th>.44 Magnum Ballistics</th>
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| 875g .437" 65% .437" 4.75"
| .50 Vel. 50 Yds 1340 1275 1190 |
| .50 Vel. 100 Yds 1170 1120 1060 |
| .50 Muzzle Energy F.P. 1250 1150 985 |
| .50 Energy 50 Yds 970 |
| .50 Energy 100 Yds 730 670 600 |
| .50 Hercules and H. P. White labs use tight pressure barrels about 8" long, supposed to equal 65% 4.75" revolvers, but don't. Even different revolvers with identical loads vary over 100 fps.

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Bill Sager's name to your program releases?

~

Bill also writes, "We haven't been organ-
ized long enough to get the publications on
adult classes. We would like to get in on this
like to take in some registered shoots."

The Fall Creek Valley newsletter paid
tribute to an often overlooked but very im-
portant part of a gun club, the trap help,
who have contributed so much to its suc-
cess. We want to extend our congratulations to
Conward Bivens. Last month Conward won
his regional tournament and was voted the "Most
Outstanding Athlete" at the meet. Conward has suffered but
little. His name, "a good-I-lookin' son-of-a-gun, too" must be
recorded. Last fall, he ran over
so well that last summer he put in a regu-
larly operated shoots. And, it costs so
smoothly operated shoots. And, it costs so
much to the gun club. I have answered Bill, and per-
haps some of our readers will want to add
their ideas.

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A little more straight back pressure on the trigger, the tip braced against the "stop," would let-off the shot with no jar.

For short-fingered gunners, the special Roper stock presented a smooth surface for the tips of the fingers to slide on. Warned that the trigger was near the end of the pull by touching the stock, the shooter had merely to press straight back and deliver the shot without that score-wrecking jump. Roper grips are no longer made, but modern grip makers know the secrets of his style.

The most natural trigger squeeze for DA firing is to rest the trigger in the first joint crease of the trigger finger. Unlike slow-fire single action "touch off," it is wise to use any part of the trigger finger which feels most natural, causing the least effort to pull the trigger. To build trigger control, practice dry firing a lot so the muscles in that finger will become accustomed to the pull. Muscles in fingers and hand must not tire or cramp if you are to do effective shooting.

Point shooting, double action accuracy without sights by "feel," is the most popular practice. Trigger squeeze in this phase is just as important as when using the sights, so special grips can be an aid. This type of practice will teach you to shoot quickly, and hit.

The FBI point shooting stance is a crouch, the gun held out front with elbow often braced a little toward center from your hip bone. Others shoot effectly by holding the wrist of the firing hand tight against the hip on that side, or by holding the gun with both hands.

In holding the gun in front, you must train yourself to bring the pistol back to point of aim after each shot, counteracting recoil. When holding the wrist of the pistol hand against your hip, you will be able to deliver six fast shots into a small target area simply by bending pressure area muscles to control the recoil. Lastly, the two hand method makes available even more body strength to hold down recoil, like holding the gun in a vise.

Invention of this two-hand system is credited to Army Captain W. H. Sweet, and is regularly taught in some police departments today. It is a good style for the wearer of a shoulder holster, or belt cross-draw holster. For this sort of rig a variation can be used:

Draw the pistol from the left side opposite the right hand, pull the trigger from the right, or from your hip, waist high. To bring the gun into action, swivel your hips so your left side faces the target, gun level and pointing true. In this hold as in any other, a smooth controlled trigger pull is essential to resist flpping the muzzle off target. You can point the gun sideways by swinging your body: elevation is controlled by shifting the hands. Never look at the gun, only at the target, checking your shots by your pattern on the paint-striped boards.

It will take practice to learn to control your pointing but, after acquiring the knack, you will be able to group all shots closely. This is a deadly effective way of shooting up to 30 yards range. It can be the swiftest combat firing style, through controlled double action.

ELMER KEITH SAYS

(Continued from page 9)

Ruger Single Six .22 WRF

I have Ruger Single Six .22 L.R. serial No. 15 and Bill Ruger has just sent me another Single Six in .22.R.F. Magnum, 6½ barrel, serial number 300015. (Judging by this huge number, the single action is not exactly new!) The new gun shows improvements over the early one in several ways. One of the main improvements is a good, practical loading gate, which units the finish and fit of the holster, bring the left hand to steady the pistol by gripping it around frame and guard. Pull both hands in tight against the hip, near the holster, waist high. To bring the gun into action, swing your hips so your left side faces the target, gun level and pointing true. In this hold as in any other, a smooth controlled trigger pull is essential to resist flipping the muzzle off target.

You can point the gun sideways by swinging your body: elevation is controlled by shifting the hands. Never look at the gun, only at the target, checking your shots by your pattern on the paint-striped boards.

It will take practice to learn to control your pointing but, after acquiring the knack, you will be able to group all shots closely. This is a deadly effective way of shooting up to 30 yards range. It can be the swiftest combat firing style, through controlled double action.

at long last, it's here...
straps to frame is also much better. The new gun was given a 14" twist to better handle the .22 Magnum ammunition, and an inch longer barrel to better burn the powder. It had enough to give the .22 Magnum 40 grain jacketed hollow point soft point 1550 feet velocity, but it still leaves unburned powder in the bore and around cylinder. Hammer-draw artists wanting to use this gun as an understudy of their big center fire S.A. guns can do so, as it is almost indestructible.

The Winchester 1960 Seminar

From Jan. 26th through the 29th, Winchester-Western brought a group of gun writers and editors to Alton, Ill., for their first Seminar. They also brought the heads of their own various sales, promotion, and engineering departments. For the first time in history, a great arms and ammunition company has seen the need of an annual get-together of their own technicians and salesmen with the top arms writers and authorities of the nation. Of the many invited, there were but two cancellations. It was a get-together. Neither side pulled any punches. The Winchester-Western boys gave us all the dope on their new arms and ammunition in a clear, concise, and well organized manner. They told us of their problems of manufacture and development, their headaches and successes. We in turn gave the boys what we considered the practical application of their arms and ammunition in the game fields. I believe everyone present benefitted from the meetings.

We missed General Hache of the "Rifleman," and Lucian Cary of "True." I was the oldest writer-editor present, both in years and in length of service in arms writing. Jim Clarke of Winchester beat me by one day for the honor of being the oldest man.

The evening of the 26th, we had cocktails and dinner at the Stratford Hotel in Alton. The 27th, breakfast and a three-hour session from 9 A.M. until noon on all new Winchester arms and ammunition. The afternoon of 27th, we were driven to Nilo Farms at Brighton, Ill., for a pheasant shoot. We were teamed in groups of four shooters, each group with a dog handler and guide. We all shot the new Winchester Model 59 with both light and heavy double guns. We were shot the new Winchester Model 59 with both light and heavy double guns. We were driven back to Alton for cocktails and dinner.

The 28th, after breakfast at the Stratford, we were again driven to Nilo Farms and enjoyed a very fine mallard shoot in the morning. The fat mallards came in over the trees and headed for a small lake below us and landed in the water well and downhill, it was very sporting shooting. Bill Kelty and I were squaddled together in a small blind built lengthwise of a deep gulch so we had time for but one quick shot as the fowl came over the trees and pitched out of sight behind the seven foot blind at our backs. I shot a little magnum 20 bore Model 21 for this work, and had my four ducks down with six shots.

It was a pleasure to watch the work of the eager but perfectly trained labradors. I also got a good kick out of the ducks, as every one that ran the gauntlet would start quacking when he landed in the lake to tell all his friends he had made it. I could see little difference between shooting passing mallards at Nilo, or the Pahsimerei or Lemhi valley mallards here in Idaho. It was a great shoot.

At noon we were served a wonderful baked pheasant dinner with all the trimmings at the club house on the farm. In the afternoon, we shot quail over some wonderfully trained dogs. Each group of four men would take in the aggregate 21 to 26 quail and from two to five pheasants, and we all had a wonderful time. On the quail, two men moved up to the dog whenever he went on point. On the next point, the other two would move up for the shot. They were fat heavy bob whites and very nice sport.

That evening we had cocktails and dinner at the Lockhaven Club, then returned to the Stratford for the night. Our game birds were later sent to us packed in dry ice by air express and arrived in perfect condition for the table.

I saw Jim Clarke make a nice double on quail, but muffed the only chance I had for a double; I missed my second bird. I was told that Pete Kuhhoff made a triple on quail.

The shoots at Nilo were perfectly managed and ran without a hitch. Everyone present had ample opportunity for some excellent wing shooting. The program at the hotel was handled equally well by Bill Talley, Jim Rikoff, John Dear, Jim Clarke, Tom Henshaw, Bill Woodring, and others. In a lifetime of hunting and working with guns, I have never enjoyed the comparison of a finer group of gunmen. After breakfast the morning of the 29th, we regretfully parted company. The first Winchester-Western seminar was voted a success by all present.

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