

FINEST IN THE FIREARMS FIELD

FEBRUARY 1960 50c



Guns

HUNTING • SHOOTING • ADVENTURE

**SKI-SHOOT AT
SQUAW VALLEY**

**A CHAMPION
TELLS HOW**

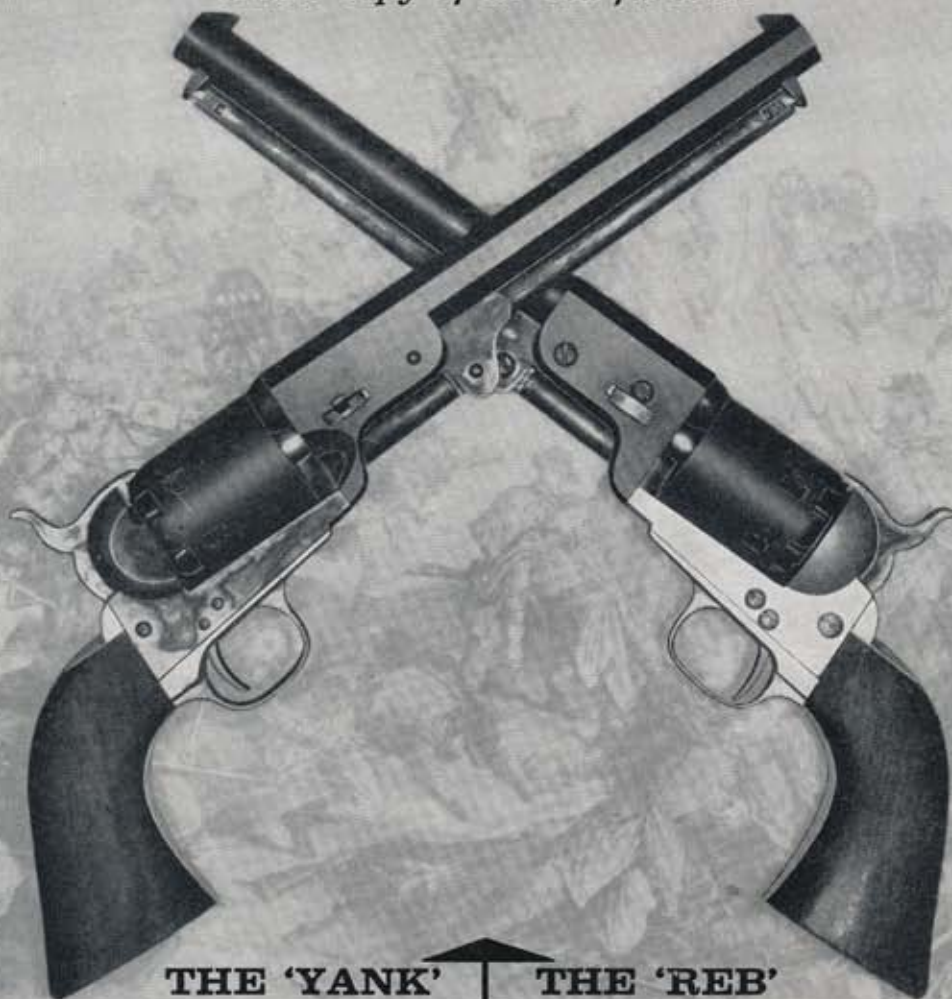


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GUNS in the NEWS

[Special]—

◆ Dummer, N. H. Counting the three bears he got this past summer, Robert Glover, 70, has bagged 71 bears in his lifetime. He originally intended to quit when he got his 50th bear. But then one charged him and had to shoot it, so he decided he might as well try for a mark of 75.

★ ★ ★

◆ Virginia Beach, Va. Everybody agrees that Bob Shuley, 13, of Roselle, Ill., might grow up to be quite a shot. At the world all-gauge skeet championship here, the youngster won the championship by hitting 375 straight.

★ ★ ★

◆ Riggins, Ida. Rosie Bass got up early to do some ironing at her cabin on the Snake River. Beholding a big cougar on a ledge close by, she grabbed a rifle and drilled the beast through the heart, killing it with a single shot. She got bawled out by the men for shooting so early in the morning and waking them up but, she reported, when she told them to go over on the hillside and see the dead cougar they forgave her.

★ ★ ★

◆ Detroit, Mich. Pretty Nancy Eggen, a police recruit, topped 53 men in a police rookie pistol competition by scoring 273 out of a possible 300.

★ ★ ★

◆ Atlanta, Ga. Keen-eyed, sure-shooting foresters are using rifle fire to cut off tree limbs needed in experiments by southern timber companies. The exact amount of time, money, and effort saved by this operation hasn't been worked out but it is considerable, since "cuttings" are obtained this way in a matter of minutes, compared to the hours required climbing and manually cutting the limbs from high trees.

★ ★ ★

◆ Washington, D. C. As a reward for being good carriers, a Washington newspaper sends its best newsboys to nearby Fort Meade for a day on the rifle range, complete with instructions. The youngsters eat it up, and the Army figures this is getting future citizens off on the right foot.

★ ★ ★

◆ Cloquet, Minn. Wolves, just about gone everywhere else, have become a nuisance around here. So every winter this town puts on its snowshoes, takes its rifles, and goes out on a wolf hunt to cut down the number of these four-legged marauders who prey on livestock and poultry. As many as 350 people participate in these hunts.

★ ★ ★

◆ Nekoosa, Wis. For the first time in 20 years, policemen here may carry guns. The town council revised an ordinance that had prohibited everyone, including policemen, from using firearms.

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KNOW YOUR LAWMAKERS

Senator Hubert H. Humphrey,
Comm.: Foreign Relations
Minnesota

CERTAINLY ONE of the chief guarantees of freedom under any government, no matter how popular and respected, is the right of citizens to keep and bear arms. This is not to say that firearms should not be very carefully used, and that definite safety rules of precaution should not be taught and enforced. But the right of citizens to bear arms is just one more guarantee against arbitrary government, one more safeguard against a tyranny which now appears remote in America, but which historically has proved to be always possible.

Congressman John Dowdy,
Comm.: Judiciary; Dist. of Col.
7th Dist., Texas

THE SECOND ARTICLE of the Bill of Rights guaranteeing that the federal government shall not infringe the right of the people to keep and bear arms, is just as important today as it was at its inception. A militia is perhaps more necessary, now, for the preservation of the security of a free state.

We were recently alarmed by the attempt to cause a federal registration of all firearms. Any would-be dictator, whether communist or otherwise, would like nothing better than to have a central record of the name and address of every owner of a weapon. He would be enabled to confiscate all of them, and leave a helpless populace.

Such a plan is a part of a well-considered set of Rules for Revolution, and would constitute impairment and infringement of the right to keep and bear arms. The federal government is barred from impairing this right. This Constitutional bar does not apply to the several states, each of which would necessarily be controlled by its own Constitution and laws.

Senator Joseph S. Clark,
Comm.: Banking & Currency, Labor & Public Welfare,
Post Office & Civil Service
Pennsylvania

"SENATOR CLARK has asked me to acknowledge your letter requesting an expression of his views on the Second Amendment. . . . The Senator has nothing of special interest to say on this subject. . . . Bernard E. Norwitch, Executive Secretary to Senator Clark."

Congressman James A. Haley
Comm.: Indian Affairs; Veterans
7th Dist., Florida

THE SECOND Amendment prevents the infringement by Congress of the right of citizens of the several states to bear arms for a lawful purpose. In my view, the organizing of a State militia (i.e., a home guard, a State Defense Force, or a component of the National Guard) to suppress riots or insurrections is an example of a lawful purpose. The Amendment recognizes the fact that maintenance of the militia is a necessary function of the State. The power of the State to organize and maintain the militia is subject to the power granted to Congress in Article I, Section 8, of the Constitution, but is not limited to the Second Amendment. The Amendment does not give to the citizens of the several States an absolute and unrestricted right to keep and bear arms. There must be some reasonable and necessary relationship between the keeping and bearing of arms and the maintenance of a well regulated militia.

Congressman Samuel N. Friedel
Comm.: House Adm.; Interstate & Foreign Commerce
7th (Balto.) Dist., Maryland

THE SECOND Amendment was enacted at a time when it was necessary for every citizen to be armed for protection against wild animals and Indians. At the same time, not only the British but other countries as well were covetous of this new land.

Today, in a civilized community, we recognize the danger inherent in permitting the general citizenry to roam abroad armed and consequently the use and carrying of firearms has generally been restricted to the Police Force. That this is both wise and necessary cannot be denied.

The term "militia" has, I believe, come to be regarded as synonymous with "National Guard."

From a legal standpoint, our Courts have construed the clause "the right of the people to keep and bear arms shall not be infringed" to mean that the right to bear arms for a lawful purpose shall not be infringed by the Congress or the Federal Government.



Guns

FINEST IN THE FIREARMS FIELD

FEBRUARY, 1960

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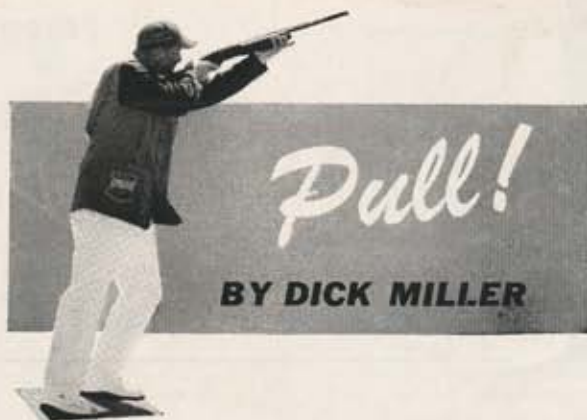
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JIM PETRAY MISSED one too many straight-aways. Jim doesn't miss many of the clay saucers, as is evidenced by his 96% average on a year's registered targets, and by his trophy for runner-up in his class at the California State Shoot in April of 1959. So the vision of an easy little straight-away floating right out in front of the muzzle, unsullied by a charge of trap-load eights, irks him no end. But—it happened.

Being a methodical and inquiring man, James H. Petray, Jr., who hails from Stockton, California, quit directing unprintable remarks at his gun, the shells, the puller, his squad, the background, flies, gnats, and his wife. Jim picked up a California gold mine in shooting tips from some of the fine shooters who clobber scads of targets in his stamping grounds—such able mentors as Arnold Riegger, Fred Dambacher, Waldo Hack, Hank Laird, and Andy Laird, who know how to hit 'em. And he got the answer.

Since he is a sportsman as well as a shooter, Jim passes on to "Pull" readers the formula for hitting that pesky straightaway—the one which too often ruins a good string, and is all the more irritating when it spoils a long run put together by racking up all the tough shots.

Jim reminds us that the trap bird which flies dead center away from the shooter is essentially a "pattern" shot. In other words, the straightaway target is shot with the "pie-plate" pattern of a shotgun. The shot string, which is often 18 or 20 feet long, and which helps the shooter intersect the path of an angling target, does not work for the shooter on a straightaway, except in the case of a rising target, which can be broken by the tail-end of your shot string. The picture of the shot mass you send after a target going directly away from you is the same picture you get when you put that "pie-plate" pattern on the pattern board or sheet: no length, just circumference.

But here's another factor: density. If you will pattern your favorite shotgun at increasingly greater distances, it becomes evident that the farther from the muzzle that pattern sheet goes, the more irregular the pattern. Density diminishes. At the greater distances, holes appear in the pattern; holes through which a clay target can fly untouched. If, too often, it appears to you, you seem to "center" a target and then have to stand and watch it fly unscathed to crash into the "lost" column, give a thought to this question: How far out was that bird when you triggered? Before you vow that clay targets have suddenly developed a knack for continued flight even though perforated with a full charge of shot, consider the possibility

that maybe the answer is to speed up your shot. Try shooting that next straightaway more quickly, so that you are putting a high-density pattern out there to work for you.

Watch any good trapshooter, and you will notice that he, or she (we can't overlook the ladies, in this fascinating game of trapshooting) breaks every target at about the same distance. That spot most often won't be too far from the trap, and the straightaway will be broken as quickly as the angle birds.

Jim Petray doesn't claim that this answer is the only answer—just one that's worth trying. He warns that if shooting straight-aways quicker is *not* the solution to your problem, don't go home and take it out on a not-so-understanding wife. Could be that a new gun is the only solution, and in that case, you'll likely need tender loving care and understanding!

Jim, who markets shot shells as well as sending them after flying clay targets, passes on another tale of shot shell performance. One of his customers apparently holds a healthy respect for the shot-carrying abilities of California quail. This customer asked Jim for a box of three-inch Magnum 12 gauge shells, in size 7½ shot. When Jim patiently suggested that perhaps the customer would be a mite over-gunned using the three-inchers on quail, which was the purpose the customer had indicated, he tried to set the sights a shade lower with regular high-brass, heavy load, 2¾ inch 7½'s. The marketing gunner was adamant, saying that three-inchers ejected better from his fowling piece. He settled for TWO boxes of 3 inch Magnum *fours*, and left Jim muttering to himself. He didn't have the heart to tell the hunter that he uses a twenty-gauge on quail, for fear the fellow might feel Jim was scandalously under-gunned. Just goes to show—it takes all kinds to make shotgunning so much fun.

Two more far-sighted communities have introduced their youngsters, and some adults, to the joys of clay-target shooting, via the clinic method, described in last month's "Pull" column. The scene of a mass indoctrination of hundreds of boys and girls, plus many of their parents, into the art of pulverizing a flying clay target moved across the Michigan-Indiana border from Kalamazoo to the Hoosier communities of LaGrange and Kendallville.

Sponsor of the LaGrange clinic was the LaGrange County Conservation Council consisting of 14 clubs, assisted by a group of Indiana conservation officers under Lt. Al Watson, and the Sportsmen's Service Bureau. Classroom sessions in hunting and shooting

education were held in the fine clubhouse of the Pretty Lake Conservation Club, one of the cooperating LaGrange County Conservation Council clubs.

Both Hoosier clinics added rifle shooting to the Kalamazoo course of fire, which featured five shots at trap targets. Shooting at the LaGrange clinic took place at the newly constructed Pretty Lake club's rifle range, and over the club's trap lay-out. Council secretary Dwight Gallimore, of R.R. 1, Wolcottville, Indiana, reports that attendance at the clinic, which is to be an annual activity, is expected to triple this year, because of community interest generated by the pilot program.

The Kendallville clinic brought together the Kendallville Foundation For Youth, the Kendallville Police Reserve, Northeast Indiana conservation officers, and the Sportsmen's Service Bureau in a cooperative effort. Classroom studies in firearms education were held in the Youth Foundation building, of which Kendallville is justifiably proud. Introduction to rifle shooting and the arts of wing shooting for 111 boys and girls, plus 25 or more parents, was handled on an improvised range near the city.

Stars of the clay target session were one of the feminine spectators—who broke all five of her targets (her husband broke two), and who was last seen checking the specifications of the shotgun she had used—and a tiny youngster, who, if he stood on tip-toe, might have been almost as tall as his shotgun was long. At first sight, he seemed no taller than the length of the barrel alone. No beginning shooter could ever have been more proud than this youngster was when two of the clay targets thrown for him shattered in mid-air.

The Kendallville Clinic becomes an annual shooting indoctrination activity too, according to Jim Bonahoom, executive director of the Foundation For Youth, in that forward-looking Hoosier city.

This column predicts that there will be no lack of new shooters for the clay target sports, and no lack of shooting interest in the communities of Kalamazoo, LaGrange, and Kendallville. And, being informed, these communities should experience no outbreaks of anti-firearms legislation.

How is *your* community introducing its youngsters and its citizens to your favorite sport?



Figuring out ways to encourage gun use throughout the year, Dick Miller boosts shooting promotion by personal appearances to help clubs, schools and recreation experts with shooting shows.

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**Elmer
Keith
says ...**

Long-Range Deer

The story of how Elmer Keith killed a deer at 600 yards with a revolver has been told, re-told, mis-told, and called the tallest hunter's lie on record, many times. Not long ago, Keith told the story again in one of the articles we published, but we had to delete it because of space limitations. Here it is for the record:

Paul Kriley had broken the right front leg of an old mule buck that we wanted badly for meat. He shot at over 500 yards with his scope sighted .300 Magnum. The deer got up and ran nearly straight away from us through six inches of wet snow and mud. Paul could not connect again, so I entered the picture with the .44 Magnum, shooting prone. The gun was sighted for 100 yards with Remington factory loads, and I had been shooting it a lot at over 500 yards in company with Judge Don Martin. So I held up the same amount of sight I had used in practice, perched the running deer on top of the center of the front sight, and fired. Nothing happened. I then held up nearly all of the front sight, and shot again. Paul said, "I saw that one through the scope, Elmer—right at his heels!" So I held *all* of the front sight up over the rear blade and squeezed off my third shot. The buck stopped, almost turned a back somersault, and came back toward us, shaking his head. Paul said, "I saw that one hit just over his head," and I remarked that I must have hit a horn.

I told Paul to let him come, as long as he was headed our way; but Paul shot at him again at about 500 yards, and again he turned directly away from us and ran. I waited while Paul squeezed off another shot from the rifle, only to hear the striker snap on an empty chamber.

As Paul reloaded, I again held up all of the front sight and, with the deer on top of its center, I started the squeeze. The buck turned up the mountain, following the tracks of others in the band. He was now beyond where I had hit him when I turned him back. I swung the sight picture in front of him, and fired. He went down after an interval, but we did not hear the slug strike and I thought he had merely stumbled from his broken leg. But he was out of sight now, and Paul legged it around the mountain, headed him off, and killed him his second shot at 350 yards.

When we examined him, we found that my third shot had hit the right jaw, broken it, and come out through the roof of the mouth. That was the slug Paul saw throw up mud and snow over his head. My 4th shot had cut squarely through the center of both lungs, cutting off a rib on both sides and leaving a 50 caliber hole through the deer.

He was barely hobbling when Paul killed him, would have gone down for keeps within 50 yards.

That was my best long range sixgun shooting in a lifetime of playing with sixguns. Of course, it was an accident, for the deer was over 600 yards away; but one has such accidents if he shoots enough with a fine gun and fine loads.

Don't Do It!

No matter what you read elsewhere (and this was advised in a gun magazine not long ago), *don't* ream out revolver chamber throats "to prevent bullet shaving and lead spitting." Even one of our major handgun makers fell for this fool stunt once, but they soon learned the error of their ways. A sixgun slug, if not so hard that it won't upset at all (like some metal jacketed bullets), upsets to fill the chamber mouth, then upsets again to swage itself back down to barrel diameter, and comes out so completely deformed in shape and point that accuracy is ruined. In addition to this, such deformed slugs leave heavy leading in the barrel. If your revolver shaves bullets and spits lead, have it checked for accurate cylinder alignment and close fit between cylinder and breech of barrel. Pouring hot lead under high pressure into a cone is *not* the answer!

.30-06 and .300 Magnum Match Loads

The best .30-06 match load I ever worked out consisted of the M-1 173 grain Government boattail, uncannelured and carefully segregated into groups for weight, backed by 58 grains of 4350 Dupont powder in Western cases and primed with Winchester 120 primers. This load was chronographed by the late J. Bushnell Smith at 2901 feet from a 24" barreled Springfield. It stayed in the black for me at both 600 yards and 1000 yards when my shooting partners were kicked out into the 4 ring by slight wind changes. I made 20-shot possibles with it in practice several times at 600 yards, and a few times also at 1000 yards. Ten-shot possibles were quite easy if you got your group well centered. This load, properly put up with good bullets, will group nicely in the V ring at both ranges.

For the .300 H & H Magnum, for match work, I used the same bullets backed by 65 grains 4350 with equally good results. Later, I substituted match 180 grain boattails by Remington, Western, and Sierra, with the same powder charge, for equally good long range accuracy. The 300 Magnum lays closer to the wind and is a much better long range match load.

I found less variation in elevations at 600 and 100 yards when powder charges were thrown from one of the good modern powder measures like Saeco, Hollywood, or R.C.B.S., with 4350 powder than when I hand-weighed the charges. This was because that 4350 powder, if not all the same lot and shipment, would vary more in moisture content from can to can bought at different times and places than it varied in bulk as thrown by these good measures. If all powder used was from one lot and one shipment, then the scales threw even closer charges than the measures; but the fact remains that when the big measures are carefully set, locked, and used carefully, the charges vary less in velocity than when the charges were carefully hand-weighed from different cans and lots of the same 4350 powder.

I finally stopped weighing charges except to check the charges every so often. I have seen the powder charge thrown by the measures from different lots of powder that had been stored under different conditions vary as much as a grain and a half in actual weight. Yet the powder from one certain can might not vary more than a half grain in measured charges. It may simply be due to different moisture content in the different lots or different cans of the same powder. The difference, however, can make several inches difference in elevation of the bullet strike at 1000 yards, and that is vital in match shooting at long range.

I believe primer variations cause even more elevation variations at 1000 yards. The primer is something we cannot control, as it will vary in weight in priming content as well as in weight of the cup and anvil itself.

Remington "Three Deuces" Load

For the Remington .222 with 50 grain bullets of various makes (Sierra, Hornaday, Speer, Sisk, and others), we have found that a load of 23 to 24 grains 4895 Government powder makes a very good accurate load for all pest shooting. For the later Magnum .222, the same weight bullets work very well with a charge of 26 to 27 grains of the same powder. As this powder is much cheaper than standard canister I.M.R. powders, considerable saving in ammunition costs is effected.

Changing Double Rifle Stocks Or Sights

Double rifles are meticulously regulated to make both barrels shoot to the same point of impact (or inside a 3 to 4" circle) at 100 yards. Many of them will do even better than that. However, if you change ammunition even slightly as to bullet weight, primer, or powder charge, the two barrels may then shoot far apart, either from side to side or one high and the other low, or both. One friend has a 7mm over-under double rifle that shoots both barrels under a silver dollar at 100 yards; but change the make of the primer used and it then groups the two barrels seven inches apart at 100 yards, up and down. Adding a telescope sight to a double rifle usually makes the two barrels shoot apart, and you will have to have it regulated.

I once had a long stocked 15 1/4" .375 Nitro Express double rifle cut to 14 1/4 inch stock length, and this best-quality Lancaster did not change at all; both barrels continued to shoot into the same silver-dollar group at 60

yards. But another best-quality double rifle, which shot well with its original long stock, shot wide after its stock was shortened. Later we found that this rifle would shoot perfectly with 270 grain ammunition, but not with the lot of 300 grain we had on hand.

Capt. L. E. Wadman has a fine Westley-Richards best-quality .557-100-750 Cordite elephant rifle that also had a very long stock. He cut the stock off to fit, and refitted the recoil pad. It shot under a dollar at 65 yards, both barrels from bench rest. Then he decided to take some of the bounce out of the big rifle, and drilled a couple of holes under the pad, poured in some three-fourths of a pound of lead, and replaced the pad. It then shot wide, the right barrel going high and right and the left barrel going low and left, some seven inches apart. He lost no time in pulling the pad, removing the lead, and filling the holes with hard wood dowels. When pad was replaced, the big rifle again shot perfectly, both barrels under a dollar at 65 yards from rest.

The late Frantz Rosenberg, a friend of long standing, told me he had had to have all his Merkel double rifles re-regulated after fitting them with scope sights. If you have a heavy caliber double, remember it is apt to be very sensitive to any changes. If the stock is broken, the new stock should be as near the same weight as possible.

In building heavy caliber doubles, the gun makers often add some lead under the recoil pad to bring the balance of the piece right. They then regulate the barrels for that weight. But if you remove the lead, you may also change the shooting accuracy of the rifle. The heavier the caliber, of fine double rifles, the more accurate they are as a rule. But they are also more sensitive to changes in weight than are lighter calibers.

Bushnell Custom Binoculars

Dave Bushnell is now out with the most streamlined binocular I have ever seen or tested. These come in 7X 35, with coated lenses that filter out injurious ultra-violet rays. The ultra violet filter lenses are also furnished with plastic covers. The ocular lenses have retractable eye pieces, so the user of eye-glasses can turn the cups down until he can get the full field of vision. Users who do not wear eye-glasses can turn the eye cups out to normal position. Screwing the eye cups about half a turn clockwise retracts their rims for the eye-glass user; turning them back counter clockwise the same amount brings the rims out for normal eyes. This binocular features a mono-unit design and comes in steel grey or black finish with a 20 year guarantee, complete with neck strap, case, and carrying strap. It is light in weight and very streamlined in appearance. Central focus only. Price, \$89.50.

After a thorough test, we would say it is a lot of binocular for the money, with large, flat field, sharp to extreme edges. In the bottom of the hinge there is a small spring-loaded red dot which, when pushed in, exposes threads for the end of a tripod. I have always preferred individual focus, but this is about the nicest central focus glass I have ever tested.

Hornady 500 grain .450 Solids

John Buhmiller is just back from his third trip to Africa, where he has been shooting elephants on control work for farm protection.

(Continued on page 66)

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CROSSFIRE

A Thorn In The Enemy's Side

I am a regular reader of your magazine and enjoy it very much. You are to be highly commended on your series of articles concerning civil defense squads. I was pleased at the response it brought. I believe you've started a good thing and would like to see you follow up on it and keep it alive.

I was in an artillery unit in Korea and believe me, guerilla warfare can really be a thorn in the enemy's side. It can cause much damage and kill morale if co-ordinated to some degree.

I am stationed in Germany now, but will return for discharge in December, then I can start the action in my area. After traveling in the army for six years I want to settle down, but still keep in some sort of military contact. Probably many others feel the same. Let's dig them out.

Norman C. Lapinski
New York, New York

How About It, Californians?

A friend of mine told me that there are 400 pound wild boars around Monterey, California, that eat hunters for breakfast. I say he is all wet.

If they are there, are they wild boars, wild pigs, or javelinas? How big are they and what is their natural habitat? Do they really have as bad a disposition as is rumored and is there any special way of hunting them on foot alone? Do you need a hunting license and what is the best way of fixing them for a meal?

Fred Lehman
San Mateo, California

Guns of TV Westerns

I have been reading GUNS and of all the gun magazines I have read, yours holds my interest best and has done the most to broaden my knowledge.

Like other people whose letters you have printed, I would like to hear more on "The Rifleman in Civil Defense." Another article that I would like to see in your fine magazine would be on the guns used by the TV western stars: Josh Randal's "hip rifle" in "Wanted: Dead or Alive," Lucas McCain's rifle in "The Rifleman," Hoby Gilman's Smith & Wesson Russian .44 in "Track-down," Hugh O'Brian's "Buntline Special" in "Wyatt Earp," and others.

Frank H. Miller
Grand Rapids, Michigan

A Marine Says "Well Done!"

Since I first laid eyes on a copy of GUNS in 1955, I haven't missed an issue. In fact, it's the only book I bother to go buy at the news stand. It and the "American Rifleman" are just about all I read and believe me, it

takes some close watching to keep the rest of the men in the unit from stealing each copy I bring around. I'm real happy to see these articles concerning anti-gun legislation and wish it were legal to beat some gun sense into the heads of these apron-string-tied clowns who try to take away the right and privilege of all law abiding people to own and shoot weapons. To use a well worn phrase in the Marine Corps, I want to "extend a hearty well done" for one of the best in shooting magazines.

ASGT Robert W. Kemp, USMC
San Diego, California

Common Sense, Just In Time

I would like to commend you on your fine article in the June issue of GUNS, "Common Sense About The Quick Draw Craze." I have been practicing the fast draw for about six months now. I have been using handloads of 40 grains of black powder in my .45. Naturally, I had to practice outdoors with these loads. I had read about and heard of using wax loads for close range practice but I never read how to go about making these loads until I read Mr. Bodrie's article.

What prompted me to write this letter was that I was just practicing my draw with wax loads. Somehow I got my signals crossed or the gun snagged on the holster and I blasted my thigh. That little primer-powered hunk of wax put a blood blister the size of a nickel on my leg. This was the first accident I have ever had while practicing and I just thank God it was wax and not 250 grains of hot lead.

Keep up the other fine articles in your great magazine. How about some more articles on the fast draw and possibly one on spinning and gun tricks such as the "Border Shift," "Curly Bill Twist," and others?

Grateful Reader
Hampton, Virginia

Why, Indeed?

I would like to congratulate GUNS Magazine for its efforts to publicize the opinions of the people who make or break anti-gun legislation.

I believe that if more dealers and organizations concerned with guns would have on their counters for all people concerned to sign, petitions against anti-gun legislation to be sent to their respective senators and congressmen, it would be possible to wipe out such bills completely. In my opinion, anti-gun crusaders have no grounds whatsoever on which to place their demands. They should realize that the sportsman is not the hood who pistol whips store owners, or the meat hunter who shoots at "a movement in the brush" and thus causes an accident. The sportsman is an honest, law-abiding citizen

trying to get relaxation and enjoyment by using equipment that cost him hundreds, possibly thousands of dollars. The hood is obviously not a sportsman; so why should sportsmen be disarmed?

Let's face it; all we need is better policing of known criminals and a course in small arms handling and safety.

Maynard Griffin
John Griffin
Toledo, Ohio

The .375 Magnum

I have just finished reading the article, Load Your .375 Magnum for All Around Use" in the March issue of GUNS. Mr. McCandless's findings were very interesting. I know how he felt the first time he carried it deer hunting, as I have used one here in Michigan. My friends laughed at me, said they didn't know if they wanted to hunt with me. They changed their mind however, when they shot it.

The loads that I tested were worked up with the Speer 285 gr. bullet. I settled on 70 gr. 4895 at 2500 fps as a hunting load and, with a 4X Unertle Hawk scope, these loads gave 1 1/4" groups at 100 yards, 3" groups at 200 yards, and 4" groups at 300 yards. Later, I got some 300 gr. Hornady bullets and think that 71 gr. of 4350 left little to be desired. As long as you are handloading, I suggest that the fine .35 Whelan imp. be tried. I carried one all the time I was in Alaska. Using the Barnes 300 gr. bullet backed with 60 gr. 4350, and the Speer bullets of 250 gr. backed by 57 gr. 4895, accuracy was 1 1/4" minute of angle out of that 20" barrel. I shot many a grouse's head off with the 250 gr. load.

While on the subject of big rifles, the .458 should not be overlooked. I have built several. Using the Barnes 500 soft nose and solids with 70 gr. 3031 in Norma brass, I could depend on 1 1/2" group at 100 yards and 2" groups at 200 yards. Sighted in 2" high at 100 yds., this load hit center at 200 yards. This rifle, complete with 2 1/4" Kollmorgan scope and Dua-lite mounts, weighed in at only 8 1/2" pounds. Lyman bullet 457406 500 gr. gas check is good with any load from 50 to 70 gr. 3031.

Wayne E. Schwartz
Owosso, Mich.

Mr. Schumaker's Owl

Just a note to say that I think you have found a new and interesting author in Mr. Schumaker. His owl decoy article in the March issue was new and different. I also enjoyed the story on his business in "Shooting Goods Retailer."

Maynard Buehler
Orinda, California

That was a good story about the owl decoy for crow shooting, and very timely. It will soon be nesting time for our game birds, and the crow raises his own young on eggs and chicks from nests he robs. I am sure the game birds were more numerous in the Colville area the next fall after the help they got from Schumaker and his owl.

I was almost grown before I found out that crows and owls are mortal enemies. It is very probable that many hunters did not know it till they read the story. Let's hope they now get themselves an owl—even a stuffed one will help—and a crow call, and

while having some exciting shooting sport in the spring and early summer, build up their game bird populations for the fall hunting by eradicating one of the worst enemies the game birds have, the crow.

GUNS magazine should be widely read.

Walt Bryn
Oroville, Wash.

What Next?

What next will the anti-gun crowd try? Nobody gets worked up about people being killed by automobiles, but let somebody get shot, accidentally or otherwise, and the cry is raised, "Take guns away from all the people." With the help of GUNS Magazine and other sports magazines and thousands of sportsmen in Pennsylvania, we killed for the time being the vicious anti-gun law that was sponsored by Radio Station WPEN in Philadelphia. As one game warden said at a meeting of the Federated Sportsman Club of Berk County, "We won this battle, but not the war." He was right. Since then, another State legislator introduced a bill prohibiting the carrying of shotguns and rifles in cars. That one, too, we killed. The price of "Liberty is eternal vigilance."

Charles H. Prutzman
Laureldale, Penna.

I have been reading your magazine since it was first published and have found it very enjoyable and enlightening, especially in the field of pistol shooting. I have used guns ever since I was a young boy. I derive enjoyment out of pistol shooting and hunting so I am particularly interested in your crusade against anti-gun laws which would enfringe on our rights given us by the Second Amendment of the Bill of Rights of the Constitution.

A local newspaper says, "A recent Gallup Poll indicated that 75 per cent of the American people favor requiring a police permit and some 59 per cent would go even further and limit the possession of firearms by civilians to police."

I would like to know where they obtained these figures? I or my acquaintances have never been approached on such a survey. They must pick them out of thin air. I think the majority of the American people would not agree to this. Heaven forbid!

Harry H. Harrington
Newark, Delaware

Enclosed is a clipping from one of North Carolina's state-wide papers, reporting on a supposed poll of a cross-section of the American public concerning national restriction of gun ownership and possession.

The entire aura surrounding the printed report suggests strongly that the American Institute of Public Opinion has either fallen under the spell of propaganda . . . and is carrying their banner unawares, or else it has actually been infiltrated.

Any effort to expose this report for what it really is, would in my opinion be one of the greatest services that GUNS Magazine could render the American public. I have followed your efforts in this regard for some months, and I heartily commend you for everything you've done. You have a great magazine, and I thoroughly enjoy it.

Truman Brock
Laurinburg, North Carolina



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GUN RACK

Globe's .30-30 Straight Pull

THE SCHMIDT RUBIN straight-pull Swiss rifle has been in production for a couple of generations. And the sporterized version, nicely polished and blued, which is being sold by Globe Firearms Co. of Ottawa, and New York, avoids much of the objection to the SR as a "practical" rifle, by re-chambering it to the ever-present .30-30 cartridge.

Originally the SR is calibered 7.5mm Swiss, a special cartridge not like any other so far



Though Schmidt Rubin Swiss rifle action is long, straight pull design permits fast bolt operation. Converted military gun is fairly good .30-30 sporter.

as easy-reforming of odd-lot brass is concerned for the handloader. And the bore is about .295", a little tight for bullets adapted for bores (.30-06, .300 Savage, etc.) of .300" land diameter. But the .30-30 can be squeezed down the SR bore because its pressure loading is low, for the lever action rifles, while the SR is a heavily constructed bolt action rifle, capable of handling the most modern military ammunition. (I have seen SR rifles rechambered to .30-06 and rebarreled to 8mm Mauser by the S.L.G. works for South American display and hopeful sale.) Reducing the chamber is done by sleeving, a process evidently satisfactory in the Globe Firearms conversion.

But the proof is in the shooting, which same we did, at Johnny Smith's Fox Valley Rifle Range near Dundee, Ill. Johnny has 9" iron plates strung up at 100 yards. These are excellent range substitutes for that deer's "boiler room," and if you can keep one of these jumping offhand, you will most likely connect okay on the hunt. With 20 fresh Winchester loads, we started blazing away. To our good fortune, the first shot was a hit. Following the same hold, we found it possible to bounce the plate every time. After ten shots this way, offhand, we switched from the left shoulder to the right to try the straight pull action. I had seen Switzers in shooting allow the recoil to throw themselves slightly back and with their bolt hand in motion slap the gun open before the smoke had cleared away from the muzzle. This had the double feature of clearing the gun for cooling (you can fire these very fast and they do heat up) and making the piece ready to load on the natural dropping forward again into position. In rapid fire, that bolt slicks

back and forth about as fast as a pump gun.

As a low cost sporter, the SR rates pretty good from the specimen shot. Its hunting type open sight can be punched sideways to zero, and (possibly coincidence) we found it sighted in on the low notch for 100 yards. Bluing is a good European rust-type black, and the wood has been cleaned and oiled to a nice smooth feel. The clip has been fixed for .30-30 ammo and there were no malfunctions nor rim failures to feed. Globe Firearms' "SR-1" is a neat little rifle, hunting accurate, well finished, and smooth working.

Strebe Special Stocks

Available from Norm Strebe (Strebe Gun Works, in Washington) is a stock for the Winchester Model 75 target .22 rifle. We received a couple of these from Strebe and find them to be military specification stocks even down to the big old "P" stamped on the pistol grip. Those we got are new, smoothly finished but need thorough washing with soapy water (don't soak—just wash) to remove the cosmoline and protective grease. Once cleaned, a going-over with fine sand paper and finishing by rubbing in something like GB Lin-Speed gives the stock a "new commercial" look. These stocks are important because every purchaser of a Model 75 for a child should obtain one of these cheap stocks from Strebe (cost around five bucks) and chop the butt about one or 1½" to adapt this fine but full-sized rifle to the child. He will grow fast, but having a short-butt rifle from the very first will increase his confidence and starting ability in shooting; while you have thriftily kept the original stock to put back when he increases a little in size. A boy under 125 pounds in weight, unless quite tall, may profit from a shortened rifle stock.

Shooting the Beretta Brigadier

With the surfeit of cheap 9mm Parabellum ammo around, a lot of people are shooting up 9mm not by the box but by the case. One pistol calculated to relieve you of an awful lot of nickels is the handsome, rugged Beretta Brigadier. At the Beretta factory I first saw one of these big pistols, which the Italians charitably sell to both Egyptians and Israelis. This one was cut away, showing the Walther-



Big Beretta Brigadier 9mm pistol has cross-bolt safe, turning barrel catch.

like barrel lock and central under-barrel spring. I have a fondness for cutaway model guns, but so did my Italian guide. (His nickname was "Lucky" and I figured I'd better not trifle with Italians of that name...) Back home, the late Bennett Galef shipped me a Brigadier to try out. Its accuracy was good for a service pistol, perhaps, but the tapered post form of front sight made me a little uncertain with the sight picture. Its main charm lay in the pointing and hang of the gun—it felt like a "meaningful" handful. In recoil, the gun had a rather brisk upward flip and was comfortable though a little brisk to shoot. The upward flip was a different sort of twist from both a S & W 9mm and a couple of Walther's we were shooting at the same time. From a hand rest at 20 yards the Brigadier put ten shots (five and five in two clips) into the 9 ring, using WCC 42 9mm military ball ammo. For the auto pistol fan, the Brigadier is a good gun, well finished though rough in the trigger pull (the military Berettas seem all to be a little heavy on the trigger) and reliable in functioning. First published announcement of this new model pistol, introduced into the Italian Navy as the Mod 951, appeared in GUNS back in 1956. Subsequently, Galef imported a few. From J. L. Galef & Son, 85 Chambers St., New York, N. Y.

Infra-Red Sniper Scope on Carbine

We should have written this gadget up a long time ago, and Edmund Scientific Co., Barrington, N. J., who shipped us one of their sniper scopes for M3 Carbine, too long a time ago, will agree! But two things intervened. First, we hoped against hope that we could latch onto an M3 receiver, adapted specially to take the big scope mounts and, second, that some final word would come of legislative action which announcement of the release of these devices stimulated in California.

In the first case, we solved the situation by building up our M1 receiver with putty-like "Twin Weld," a synthetic material that is often used in body shops to build up crumpled fenders. It bonds to metal and can be formed or filed to shape when hard, and painted. To a limited extent it has value for temporarily attaching sights to rifles which may not be drilled for same, for temporary experimental shooting. We did so and by wood-screwing the infra-red projector "flood-light" onto the stock, were able to get a fair focus and zero. From rigging up a lengthy extension of house current, to go with the transformer Edmund Scientific thoughtfully supplied, we were able to get power. In combat, batteries give adequate juice with this particular model. Commercial batteries

(Continued on page 52)

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HANDLOADING BENCH

By KENT BELLAH



Stuffing The Six Em-Em's

REMINGTON's .244 cartridge took its place in higher gun society as one of the fine commercial 6mms. Mike Walker, supervisor of Remington's Research Division, created the modern hot-shot. Accuracy with good handloads will nearly equal the superb .22's that have set new world records. (Mike also designed the 722 Remington action that is top dog with bench resters, generally using the .222 cartridge which he also developed.)

We have a wide selection of guns for the .244, including Remington's 740 Autoloader and 760 slide action pump. Hull fillers used to look with contempt on anything except bolt actions and single shots, but these two numbers are being well accepted by hunters. They won't quite compete with bolt jobs in accuracy, but they handle nicely. The pumps and autoloaders serve those who prefer them for medium game hunting, but they are a definite handicap for small varmints at long range.

Yet my results with one .244 auto, tested for functioning, might let some air out of old wives' tales. The action functioned perfectly with 85 grain bullets and charges of 4064 that varied from 31 to 40 grains. A 39 grain charge grouped in 1 1/2" at 100 yards, with a 10X Weaver scope.

The gun wasn't tuned, except a Flaig's "Ace" trigger shoe was installed. CCI primers were used in the trimmed cases that were sized in special "tight" R.C.B.S. dies, highly recommended for loading the autos and pumps. They insure better functioning. R.C.B.S. supplies these at no extra charge when 3 fired cases are sent in. Dies will be made to fit any chamber that is tight or sloppy. One of my customers bought the automatic. The last I heard he was having a barrel of fun, and busting coyotes at up to 300 yards for bounty money.

The famous F. N. Mauser and new Sako Forester are chambered for the .244. Both handle beautifully and throw lead with fine accuracy, if you have a quality glass and mount. These kind words also apply to the inexpensive Remington Model 722, as well as their prestige Model 725. If you happen to be rich you can blow a thousand bucks on a Model 725F. Don't ask me how it shoots. I just saw it listed in the catalog like you did. But any of the .244's will bag a thousand bucks if you use one right.

A .244 is an all-around caliber that can be used the year 'round. It bucks wind about like a .257 Roberts, that has 21.5 inches deflection at 300 yards in a 20 mph cross wind. Wind at that speed is pretty cross, and you'll find it moves a .220 Swift pill a hair less than 36 inches.

Some lads are learning to dope wind like

experts with the Dwyer Wind Meter, a pocket gizmo by Dwyer Mfg. Co., Box 373, Michigan City, Ind. It would be more popular if more widely advertised, being quite accurate for wind from 2 to 70 mph. It has helped me make some long range varmint kills under otherwise impossible conditions, and it is a real ammunition saver.

Factory figures are about correct in listing a 75 grain pill at 3500 fps M.V., 2660 at 200 yards, 2290 at 300, 1960 at 400, and a slow 1670 at 500. Midrange trajectory is 1.9" at 200 yards, 4.9" at 300, 10" at 400, and 18.5" at a tired 500. The whammy is 2040 fp M.E., 1180 at 200 yards, 875 at 300, 640 at 400, and a puny 466 at 500. One scribe said he thought nothing of taking varmints at 600 yards. I don't think much of it either! His bullets must have had a mystic power like King Arthur's sword, Excalibur. I asked Mike Walker about it. Mike can squeeze maximum performance out of superb guns and handloads. He said:

"There are no rifle-and-ammo combinations available which are adequate beyond 500 yards on varmints. I know we all take shots on ranges longer than this, and sometimes obtain hits. But, under the best conditions, no shooter I know will guarantee even a second chance at 500 yards. A good .244 extends the range to approximately 400 yards, and under ideal conditions to possibly 450. In a fine bench rest rifle the .244 is capable of averages less than 1/2 minute. As far as I know no one has obtained a five, 10 shot group average at 100 yards of less than about 4/10ths inch.

"Much 'hoopla' is being put out about the advantage of 100 grain bullets over 90 grain. This is pure hyperbole, as 10% difference in bullet weight was never given so much importance in any other caliber. The difference in bullets within 10% is not in the weight,



Standard and wildcat sixes include Remington .244, shorter Winchester .243, and blown Harvey Maglaska 6.

but must be in their construction and ability to deliver energy to the game.

"Charlie Morse and I did most of the development work. Best accuracy is obtained with a 12" twist and 75 grain bullets with a small hollow point, custom made or hand swaged. Except in the hands of a superior rifleman, a 6 mm is not adequate for game weighing more than 200 pounds."

To comment on Mike's comments, I fully agree on the bullet weight and game size. Average varmint hunters with an untuned store-bought sporter can call 300 yards long range. 400 yards is a pretty fur piece to blast fur out of Texas jacks consistently. Beyond that range you need some luck. Luck is as fickle as a tom cat at a feline convention. Experts goof some 400 yard shots, even with hand swaged bullets in lab quality loads and the ultimate in fine rifles and glasses. But you can bust the bunnies often enough to make it fun, if you get out and let the hammer down for plenty of practice.

As the .244 is Mike's baby, I'll quote his favorite loads, and mine. He likes a 75 grain H.P. bullet with 42.5 grains 4064 for varmints. This may be hot in some guns with some components, and I advise cutting the charge five per cent and working up, if desired. I'd rather be called "Tex" than "One-Eye," and if more punch is needed I advise a larger chamber. It isn't smart to get powder-happy with high intensity loads, and a .244 is not exactly a black powder number. Mike's load has not been too hot in any guns I've fired. His "real deer killer" is a case full of 4350 with 90 grain bullets. This runs to about 46 grains for about 3340 fps.

I use 45 grains in Remington cases, also worked up.

Mike uses 75 grain pills with 36 to 38 grains 3031 for superb target accuracy. His home-swaged H.P. bullets were made in B & A dies, and his bench rest charge is 36.5 grains. It may take one or two years to get delivery on B & A dies. Bahler dies are also excellent, with delivery in less than a month. My favorite "moderate" load is 38 grains 3031 with 75 grain Speer H.P. bullets with CCI primers, in Remington brass, for 3375 fps. This functions well in auto, pump, or bolt actions; gives fine accuracy, long barrel life, long case life, and sufficient blowup for most varmints. Loading is not critical, and carefully thrown charges are okay, which makes loading fast.

Cases have a neat 26 degree shoulder. Case life is long, and stretching isn't bad unless you insist on hell-for-leather loads. Max length is 2.233", and they should be trimmed back before they exceed this figure. If starting with new or once-fired cases, you can adjust your trimmer to just barely face-off the mouth clean, discarding any with non-uniform mouth thickness. Sierra, Hornady and Speer bullets have all been good, and both makes of brass are high quality, with few rejects found. It can usually be fired five or six times, often more, before re-trimming is necessary.

The 6 mms will probably be with us all-most as long as death and taxes. All standard and wildcat rounds have good accuracy, and with the right loads the punch is suitable for most game in the first 48 states. Beginners and women like the mild recoil (Continued on page 61)

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Joe Hagerty, Fremont, O., won prelims. Joe claims he is duck hunter, but wears A.T.A. life patch.



CAN A GOOD HUNTER OUT-SHOOT A SKEET OR TRAP EXPERT?

WHATEVER IT PROVES, THIS SHOTGUN MATCH IS AT LEAST A PRACTICAL APPROACH TO AN ANCIENT ARGUMENT—AND FUN AS WELL

By JERRY CHIAPPETTA



Unusual event was well attended. At far right, Jerry Chiapetta checks rules with Paul and Dick Williams. Field has 50 points, 8 doubles.

WHO IS THE BEST all-round shotgun shooter—a skeet or trap man, or a good bird hunter?

This is a question that will start a hot argument among serious shotgunners. Hunters claim that trap and skeet shooters who methodically bust 25 straight on clay targets can't hit anything with feathers on it; and clay target artists bounce right back with the claim that bird hunters depend on fire power and an overabundance of game, not shooting ability, to fill their limits. Who is right?

Last hunting season, this reporter asked a hunter buying a license at a local hardware store in Michigan if he ever shot any clay targets. The answer was no, so we launched into a conversation about shooting and hunting. We chatted a while about the pheasant season which would open the next morning, and I

suggested that we go out and pop a few targets to get warmed up—like batting practice for a ball player. He agreed, but said that he “never had any luck” with clays.

He was right. His score was about one target for every three shots. It went like this: I would toss a target, and he would empty his old Winchester. Before the bird hit the ground, he'd get a piece of it with—usually with the last of the three blasts.

Just to be fair, I hunted one day last season with a skeet shooter—not a champion, but a man who breaks twenty or better out of twenty-five pretty consistently. He didn't do anything like that well on birds. Five out of twenty was about his average.

And so it goes. No wonder the who's-the-best-shotgunner controversy is a never-ending one.



Fred Knoblauch gets set for surprise bird with Dale at the trap button. Williams family runs range near store.



Author takes Browning over/under through course under critical eye of Dick Williams. Brownings showed up well (left) in veteran hands of Sam Schmidt, Detroit, Mich. champ (right) and Bob Erickson of Federal Cartridge Co.



To settle the argument, Williams Gun Sight Co. have come up with the Michigan Shotgun Championship, a competition designed to test entrants on both types of shotgun shooting. This meet has caught on with Michigan shooters, drawing more entries each year; and since it includes just about every kind of shooter—the farm boy, the duck hunter, the upland bird hunter and the skeet and trap shooters, it may provide some of the answers.

First, let's look at the last five Michigan “scattergun champions.”

Sam Schmidt, a live pigeon shooter from down Detroit way, was the first winner, five years ago. Sam says he likes to shoot a lot of trap and skeet, but “primarily I'd call myself a live bird shooter.” His bird shooting paid off. He tied with Tom Loucks of Flint in the main 75 target event that was broken into three parts: trap, skeet, and the Williams Practice Bird Field. He won the 25-shot shoot-off



Release-trigger Winchesters are held by 1958 champ Paul Paize of Pontiac, Mich., who came to defend, lost title.



Jenny Oesch, shooting only seven months, won the Ladies Championship trophy, used borrowed gun on last ten clays.

Runner-up with winner pose for birdie, after a fast session with the birds in shoot-off. Fred Knoblauch (left) looks downcast with second place trophy by Bob Uptegraff who beat him by a bird.

over the Practice Bird course.

To better understand this unique contest, let's look over that third part of the program. Shooting over the Williams Practice Bird Field is, I would say, exactly like pheasant, grouse, quail, or duck hunting—except maybe a little more difficult. There are no "handicaps" in this event; the field shooting course is its own equalizer. Here's how it works:

The bird field is set up in an old orchard and corn field. Your shots are from hidden traps which send the clay targets sailing between the trees, some high, some low, some across, some straight away. Traps are "pointed" by metal dogs that give you a rough idea of where the trap is, but you don't know where the birds are going. On top of that, the shooter doesn't know exactly when they will be triggered. The referee just says, "your dog is on point." Once this announcement is made, he can make you wait 10 or 15 seconds, or he can set off the clay target immediately.

You carry your shotgun, the same gun you would use on upland game, at waist level so that at least the stock of the gun is under your arm in a comfortable carrying position. In shooting the field, you and your shooting partner have 25 birds each and each man has an equal number of singles, pairs, and doubles. In the doubles, two targets fly at the same instant and usually they go in different directions.

In the pairs, the second target is not released until you pull the trigger on the first bird. Forgetting to load, or not being set to shoot because the safety is on, counts as a missed target. A "reasonable" number of malfunctions is allowed, and you get to shoot options at the end of the field to give you a total of 25 shots.

While loads of 7 $\frac{1}{2}$ s to 9s are common here, the choke of your gun doesn't make an awful lot of difference. Some use full chokes to be set for the long shots, but they are handicapped on the close-flying birds. Dick Williams, one of the well-known Williams brothers, is one of a half dozen shooters in the country who ever broke 25 straight, and Dick uses a modified choke, Model 12 Winchester in the trap grade. The trick on (Continued on page 65)



DON'T BELIEVE THOSE MYTHS ABOUT

CHAMOIS

By M/Sgt. ROBERT WOOLVERTON

U. S. Army, Bad Tolz, Germany



Hammerli chamois-hunting rifle is used by Alpine hunter who finds it easy to get his goat with stalking.

**YOU DON'T HAVE TO BE
SUPERMAN TO BAG THIS
PRIZE EUROPEAN TROPHY**

CHAMOIS HUNTING IS NOT as rough as many hunters are led to believe. Nor is the trophy you are after as wily as it is so often described.

Yet just about every article appearing in a state-side publication declares chamois hunting is just too rugged for the average man. Stories tell how the hunter must scale perpendicular cliffs, scramble along treacherous mountain trails, and make fantastic shots at ranges up to 600 yards. Naturally, any potential chamois hunter immediately evaluates his personal attributes and, after having done so,

junks the whole idea for something less demanding.

This is unfortunate, because chamois hunting can be a thrilling experience, and a fairly simple one. As a matter of fact, in my humble opinion, a chamois is much easier to collect than any other cloven-hoofed big game animal found in Germany. The hunter success ratio in the Bad Tolz area for the year 1958 was over 70 per cent. And this was just another normal year. All that's required of a hunter is that he be a fairly decent shot, of average health, and have the blessing of good (Continued on page 53)



Squirrels can be talked-in to rifle range by hunter's easily-used calls.

"What was that you called me?"



Calling is one of the most-neglected ways to hunt; can boost fun afield.

**REMEMBER THE BOYHOOD
THRILL OF AN EARLY-MORNING HUNT
FOR SQUIRRELS? HERE IS SOME
OF THAT THRILL—PLUS A NEW ONE**

By **RUSSELL TINSLEY**

A HEAVY DEW made the leaves soggy and quiet underfoot as I catfooted into the woods just a few minutes before daybreak. In the east, the horizon was splashed with brilliant orange, but under the dense canopy of tree crowns it was still black and slow going as I groped my way along the familiar trail. Shortly I came to a grapevine spider-webbed between two pecan saplings. Easing down at the foot of the vines, I settled comfortably and awaited dawn.

Soon the sun inched above the tree-tops, bathing the woods with clean, fresh light. The droplets of dew glimmered brightly. Off in the distance I heard a bobwhite quail greeting the new day. A wild turkey gobbled down



Pair of fat grays were bagged by author's nephew, by calling.

by the creek. Birds began fluttering overhead.

I sat silently for a few more minutes. My camouflage-colored clothing blended neatly with the green foliage of the vines. Then I eased a tiny yellow object from my shirt pocket, cupped it between the thumb and first two fingers of my right hand, and tapped on it gently with the index finger of my left. Had my eyes been closed, I could have sworn the ensuing result was a frisky squirrel telling the sun good morning.

I worked the call briefly, then paused and peered through the trees. Back in the woods a squirrel barked, and off to my left another answered. This time I pecked the rubber bulb rapidly, giving



With call, hunter persuaded squirrel to forsake far side of tree, meet his doom.



Various .22s (M74 WRACo., above) team up with game calls and woodcraft to fill game bag. Reds, gray squirrels are popular targets tough to find.

off an incessant chatter. Again my two admirers answered, but now their barking had a touch of urgency. I kept up the conversation for a few minutes longer and, presently, I spied one of the reddish-colored animals scampering along the woods floor.

It dashed across a narrow wedge of clearing and leaped halfway up a big tree trunk, its bushy tail twitching provocatively. I eased my .22 Mossberg automatic up, rested my elbows on my knees and centered the crosshairs of the scope sight on its eye. When I squeezed the trigger, the squirrel pitched off backwards and plopped quietly in the leaves.

The echoing gun shot quietened things momentarily. I sat silently, not

moving. After about ten minutes had lapsed, I put the call back in my hand and tapped it again. Almost immediately the squirrel to my left answered.

I kept talking to it, varying the tempo and pitch of the tone. A hint of movement far up in the crown of an adjacent pecan tree stopped my roving eyes. I studied the spot through the four-power scope. A flick of bushy tail betrayed the squirrel's position. Gradually I raised the call again and squeezed it between my fingers. Almost simultaneously a head popped into view above the limb. I put the scope on it and touched off a shot. Bark shattered. The frantic squirrel scrambled higher into the tree crown, pausing on a (Continued on page 55)



Vegetables, butter, squirrels are makin's of day's end stew.

HERE IS "THE WORD" ON COMBAT QUICK
DRAW, SPOKEN OUT OF A LIFETIME OF EXPERIENCE AS A
HUNTER, GUIDE, AND LAW OFFICER



It is high time, we think, that somebody made clear the fact that there are at least two distinct and different kinds of quick draw: quick draw for combat, and quick draw for sport or competition. (Perhaps there should be a third category, for actors, whose sole purpose is to poke the muzzle of a gun into a cloud of black smoke. This is a legitimate purpose, and a real skill; but it is entirely lacking in the requirement for accuracy which is a part of both the other categories.)

This magazine supports quick draw for sport and competition, but is strongly opposed to the use, in that category, of anything more lethal than wax bullets. Combat quick draw, properly done, is also relatively safe; but because it necessitates familiarization with full combat loads, it involves a potential risk which we do not think should be associated with quick draw as a sport. Elmer Keith is speaking here of combat quick draw, of which he is a master.—Editor.

Elmer Keith On COMBAT Quick Draw



Don't telegraph intent by crouch," says Keith who urges slow motion before speed.

By ELMER KEITH

WITH THE MOVIES and television depicting incredible feats of quick draw and sixgun accuracy, the novice is apt to come up with a very wrong opinion on what is actually possible. The present amazing, nationwide growth of quick draw as a sport has produced some marvelous time records, firing wax bullets or simply busting caps. This also creates a wrong impression of what is possible under actual gun fighting conditions.

The novice watching the movies would also gain the impression that nothing but a single action gun was ever used for quick draw gun fighting, and that all gun fights with sixguns were at close range. Neither is true. Double action revolvers are just as good as single actions, and in some ways better; and a finished sixgun shot can make a good revolver highly effective at 100 yards or more.

Quick draw is but one phase of sixgun shooting, and *combat* quick draw is a post-graduate course for the expert sixgun shot who is interested in military combat or law enforcement. It should never be attempted until the pupil is, first, an expert marksman in slow fire at both short and long range. When you can score 90 on the standard American slow fire target, or kill jack rabbits or grouse with certainty up to 50 yards with a sixgun, or hit the silhouette of a man's head and shoulders most of the time at 300 yards from rest or two-hand position, then you are ready to take up combat quick draw work. Only then will you know the full possibilities of a sixgun, and only then will you be sufficiently habit-fixed in safe gun handling for this post-graduate course. By then, too, you will realize how very seldom you will need to draw fast.



Modern handmade clip plate, hammer stud, Keith says is fastest of all gun rigs.



Variety of belts, holsters, reflect Keith's long-time QD interest. For serious quick draw, big double-action revolvers are his preference.

First, let's take a look at the guns for quick draw work, primarily with the thought that they are to be used for law enforcement or military work. The first that comes to mind is—the single action. If a single action gun is your choice, I would favor the Ruger Black Hawk in .357 or .44 Magnum caliber, with 4 $\frac{5}{8}$ " barrel. The caliber should never be smaller than the .357 S & W Magnum, and the .38-40, .44-40, .45 Colt, and .44 Magnum (properly loaded) are better, with the .44 Magnum on top of the list. As for

actions, nothing is any faster, draw and hit, for the first shot, than the single action. But, for me, a double action is *just as fast* for the first shot, and *very much faster* for any repeat shots. Moreover, the single action holds safely only five shots, against six in the double action gun; and the latter can be reloaded much easier and faster once the cylinder is empty.

Auto-loaders are just not in the money for quick draw, because, for safety, they should be carried with the cham-



Hip-shooting begins with gun at hip with butt tilted forward. Hand . . .



. . . circles to gun, pulls free, and finger curls on trigger but does . . .



. . . not squeeze until pistol is forward, elbow at hip, barrel leveled.



but worse than useless in a gun fight or when roping a wild cow in the brush.

To my notion the best weapon ever made for sixgun combat is the Smith & Wesson .44 Magnum with 4" or 5" barrel, barrel length dependent on the height of the man and how the gun is to be carried. For men with weak or small hands, lacking the strength to handle the big frame .44 Magnum gun and load, the Smith & Wesson Combat Magnum .357 is a very good choice.

Whatever gun you select, the double action pull should be smoothed up so there is no catch or hitch in its action, just a smooth even pull. The main spring tension screw should be kept about full strength, and cutting off the trigger return spring and other springs for a lighter double action pull should usually be discouraged. You can



Keith's holster rides high, leaves butt, . . . as it sweeps in quick circle toward . . . and bringing handgun level quickly as trigger finger raises the hammer.

bers empty, which means you have to pull the slide back to get off that first shot. However, Ed McGivern did prove that quick draw was not only possible but fast with an auto-loader having the double-action-first-shot feature used in the Walther and other European makes, and now in the Smith & Wesson 9 mm auto.

I grew up with the single action and was taught the fundamentals of quick draw and gun fighting with them by old masters who themselves had survived many gun fights. I know the possibilities of the single action, and also its limitations. It points perfectly for hip shooting and is just as fast as any gun for that first shot; but after the first shot, the fine double action is much faster. Yes, I know about fanning. It is fast, and accurate enough at close range, but no faster and not nearly as accurate as double action shooting at *any* range. Likewise, fanning takes two hands, and you may not have two hands available when the gun is badly needed in an emergency.

Fancy gun juggling and spinning comes under the same category as rope spinning—fun to do and fine to watch,

get a very light, smooth, double action pull this way, but sooner or later you will run into some hard primers and the gun will misfire, and that could be fatal. Leave the pull fairly hard so long as it is smooth and uniform, and train your hands until they can handle it.

Personally, I do not like the big S & W target stocks for quick draw work. They are fine for some men with very large hands, but I prefer a flatter grip. The S & W Plain-clothes type, or the same in ivory, suits my hand best. The grips should be tailored to fit the individual hand. Avoid any finger grooves, thumb rests, and like gadgets. They have a place and a value on slow fire target arms, but not on combat guns.

I do not like any filler back of the trigger guard for fast double action shooting. Some men with long fingers may find it an advantage, but I like the bulk of my hand as nearly behind the recoil of the gun as possible, where the hump on top of the stock will keep the gun from crawling upward during fast recoil. Each man should study his own gun hand and shooting (Continued on page 42)

**HOME BLUE BY
RUST METHOD OF CUSTOM GUN
FINISHERS GIVES NEW
BEAUTY TO YOUR OLD IRONS;
IS FUN, ADDS VALUE**



Home blue requires only simple gear. Solution can be made up by druggist. Lye cleans parts, wire brushes, gloves to handle work.

Reblue that Gun Yourself

By ALAN FRANCE

OWN A FINE GUN which needs rebluing? You can do the job yourself, in your own kitchen, with very little investment in equipment. Doing it right, and well, you can realize substantial savings over a custom commercial job. The rust blue method used is still preferred by many gun lovers to the more modern caustic solution dip. Rust blue is better for home use due to the corrosive gasses given off by the caustic dip which also requires close tolerances on temperature and saturation. Furthermore, only the rust blue can be used on soldered double barrel shotguns, since the chemicals in the caustic solution will dissolve the solder holding ribs and barrels together.

The only piece of equipment not readily available is a tank in which to heat and clean the parts to be blued. Such a tank can be purchased from a supply house such as Herter's, or a chicken feed trough can be used. About three

ounces of bluing solution will be required. This can be purchased from a supply house or compounded by a good druggist. Several excellent formulas can be found in both Howe's *The Modern Gunsmith* and MacFarland's *Gunsmithing Simplified*. Formulas should be made up a day or so in advance and allowed to age in a brown bottle, out of direct sunlight. You should also prepare a swab of cotton, bound with string about a clean stick of eight inches length. The swab should be just wide enough to fit inside the mouth of a small bottle which you will place in the tank to keep the bluing solution hot.

The procedure for bluing the gun is quite simple, and requires two to six hours:

1. Completely disassemble the gun. Lay aside all parts not to be blued. Be sure you use screwdrivers which fit the screw slots to prevent burring (Continued on page 61)



1 Mirror buff on barrels should be lengthwise. Finer grits of emery cloth are used to polish action. Keep flats, flat; corners sharp.



2 Feed trough does for boiling on stove. Keep blue solution at same temperature, swab on and it dries in blue-making scale.



3 With gloves grease-free, handle parts, carding off light scale or oxide with grease-free wire brush till desired color comes.



Moschkau, familiar figure at shoots for 20 years, is forced by eyesight to go slow on competition. Expert's advice is "Shoot the first sight picture."



A CHAMPION

PRACTICE MADE JOHN MOSCHKAU A CHAMPION, EVEN

By JOHN CARLTON

THOUGH HE SAYS HE "NEVER COULD HOLD WELL"

FOR NEARLY TWENTY YEARS, John Moschkau aimed relentlessly at the National Smallbore Rifle Championship. In 1957, the iron-nerved Iowan finally hit the mark, even though he had to set a new world record at Camp Perry to do it.

Now it appears that Moschkau made it just in time, for recent eyesight trouble has forced him to admit that his chances of ever winning the title again are probably gone. "Since last December, I've had three changes of glasses," says the soft-spoken gear cutter from Waterloo, "and now it looks like I need another one."

Moschkau explains that he can still "do okay" at 50 yards, but the trouble comes at 100 yards, where he used to shine. That 100 yard event is what separates the men from the boys, and that's why Moschkau thinks he'll never win the National again. This is sobering news from the man who has shot better than any one ever did before. Moschkau, in 1957, shattered the U. S. and world small-bore records at Perry with a score of 6392 points after 640 shots, with 488 of them in the X-ring!

Johnny is still planning annual trips to Perry, and he can still rank with the high 20 shooters in the nation; but the title race is too long a grind now, and Moschkau's eyes probably would limit him with iron sights at 100 yards. At that range, although he can see the target "just fine with the naked eye," he needs a lens combination, which he's still working on, in order to co-ordinate the target and his front sight. He has to sacrifice the target a little in order to see those front sights, and this adjustment would, he feels, prevent him from winning the title again.

This threat to his keen eyesight is a tough blow indeed. When he won the championship at Perry, Moschkau reveals that doctors rated his eyesight 13 per cent better than normal. Other doctors called it "one-in-a-million" eyesight. This helps explain Moschkau's great successes in shooting since he began outdoor competition back in 1939.

Surprisingly enough, Moschkau himself rates "90 per cent of today's shooters better than I am when it comes to holding. I'm not a good holder," he admits. "The real secret is touching off at the right time—which means good co-ordination of eyesight and nerves."

There's no doubt that Moschkau developed that co-ordination to a fantastic extent over the years. One could

write a book about his many honors. Johnny has more than 1000 medals and trophies, won at important tournaments all over the country since 1939. These include important ones like the Hoppe Trophy, the Critchfield Trophy, the U. S. Cartridge Company Trophy, and the National Rifle Record Trophy for his sensational performance at Perry in 1957, in addition to scores of regional championship trophies and countless medals and other various awards accumulated through the years.



Smallbore champ has accumulated numbers of medals with his M52-C tho', he says, he never can hold and squeeze.

TELLS HOW TO WIN



Basement range is needed by competition shooter so he can keep in form. Iowan's shooting kit is standard; his wins come from skill. At range, Moschkau pauses to ponder years behind and consider years ahead which may hold yet another world record if his eyes hold out.



For the record, Johnny has been a member of the U. S. International Team (consisting of the high 20 shooters each year at the Nationals) every year in which he competed in the National Matches. He has taken part in the Nationals about 14 times, during which time he has finished lower than third on only three occasions. He estimates that he's fired 300,000 rounds in his 19 years of shooting—30,000 one year alone.

Johnny's interest in shooting began from the day he was old enough to follow his dad to turkey shoots around Rice Lake, Wisconsin, where he was born. Later shoots of this kind provided him with his first competition.

His first gun was a Remington Model 4—a very light ($4\frac{1}{4}$ - $4\frac{1}{2}$ lbs.) but very carefully bored and hence surprisingly accurate rifle, introduced in 1891, discontinued in 1919, sold in 1906 at \$8.00, with gallery or sporting peep sights optional at \$2.50 additional. It was made in solid-frame and take-down models, in .22 short, long, and long rifle, .25-10 rimfire, and .32 short and long rimfire calibers. Later, he switched to a Savage NRA Model 19—a five-shot, bolt action repeater weighing seven pounds, designed "to the order of" the top competitive smallbore riflemen of the time and factory-rifled to equal the accuracy of many of the fancy, hand-made target rifles. With this, he was able to "keep up with any of 'em" at the shoots. His early experience included competition with the Posken, Wisconsin, Rifle Club (west of Rice Lake), and the Balsam Lake Rifle Club. This shooting came in the 1920's and was "league-shooting indoor stuff." His

first outdoor match was at LaCrosse, Wisconsin, in 1939, where he won a few beginner's medals.

It didn't take Johnny long to become interested in Camp Perry. In fact, he went as early as 1939. That year, he shot with the Wisconsin Civilian Team (.30 cal.), which qualified for the Nationals.

The next year he was back at Perry again, and this time he "shot 'em all." Not only did Moschkau shoot .30 caliber, but he fired the smallbore matches on the side. The only thing is, he fired on the wrong targets—Bill Woodring's. And Bill was the winner that year!

During those early years and after the War, Moschkau continued to climb up the ladder. Around 1951 he began to hit his peak.

One of Johnny's most fabulous (*Continued on page 62*)

**PRE-PRODUCTION LUGER CONVERTED
TO 5-SHOT .45 PROMISES BIG MATCH SUCCESS**

The Luger .45

By ELMER IMTHURN

CCI Ballistician

THE WYATT .45 LUGER AUTOMATIC was the natural outgrowth of an existing feeling of dissatisfaction among tournament pistol shooters. Many target shooters feel that the available guns in both center-fire and .45 caliber are not all they could be. The field, at present, is confined strictly to revolvers and accurized service automatics. Up to this time, there has been nothing in the big-bore lines to compare with the fine .22 target automatics produced by Colt, Ruger, High Standard, and Smith and Wesson.

Let's analyze this situation for a moment. The revolver is poorly adapted to the Standard American Pistol Course, which is made up of slow fire, timed fire, and rapid fire. The timed and rapid fire, both of which place a short time



Slab-sided .45 barrel gives added mass, softens shock of big caliber recoil. Thumb-rest grips on new match pistol aid shooting. Left, shots load in fixed magazine.



limit on each five shot string, make up two thirds of the total. The time consumed by manual cocking of the hammer before each shot is time taken away from aiming and trigger squeeze. The thumb in cocking must be removed from its position, loosening the grip, and must then be repositioned before the trigger squeeze can be started. When it is considered that, in rapid fire, this must be accomplished four times in ten seconds, along with aiming and squeezing off five shots, it is no wonder that the general run of rapid-fire revolver scores are low when compared to those shot with .22 automatics. No wonder, either, that serious competitive shooters spend more practice time on this one phase—the development of a smooth, fast, cocking motion—than on any other single manual part of their sport—except trigger control.

Good .22 revolvers are available, too. But they are almost non-existent on the firing line because the automatics are easier to shoot, and produce higher scores as a consequence.

(Continued on page 50)

POLICE GUNS BLAZE IN

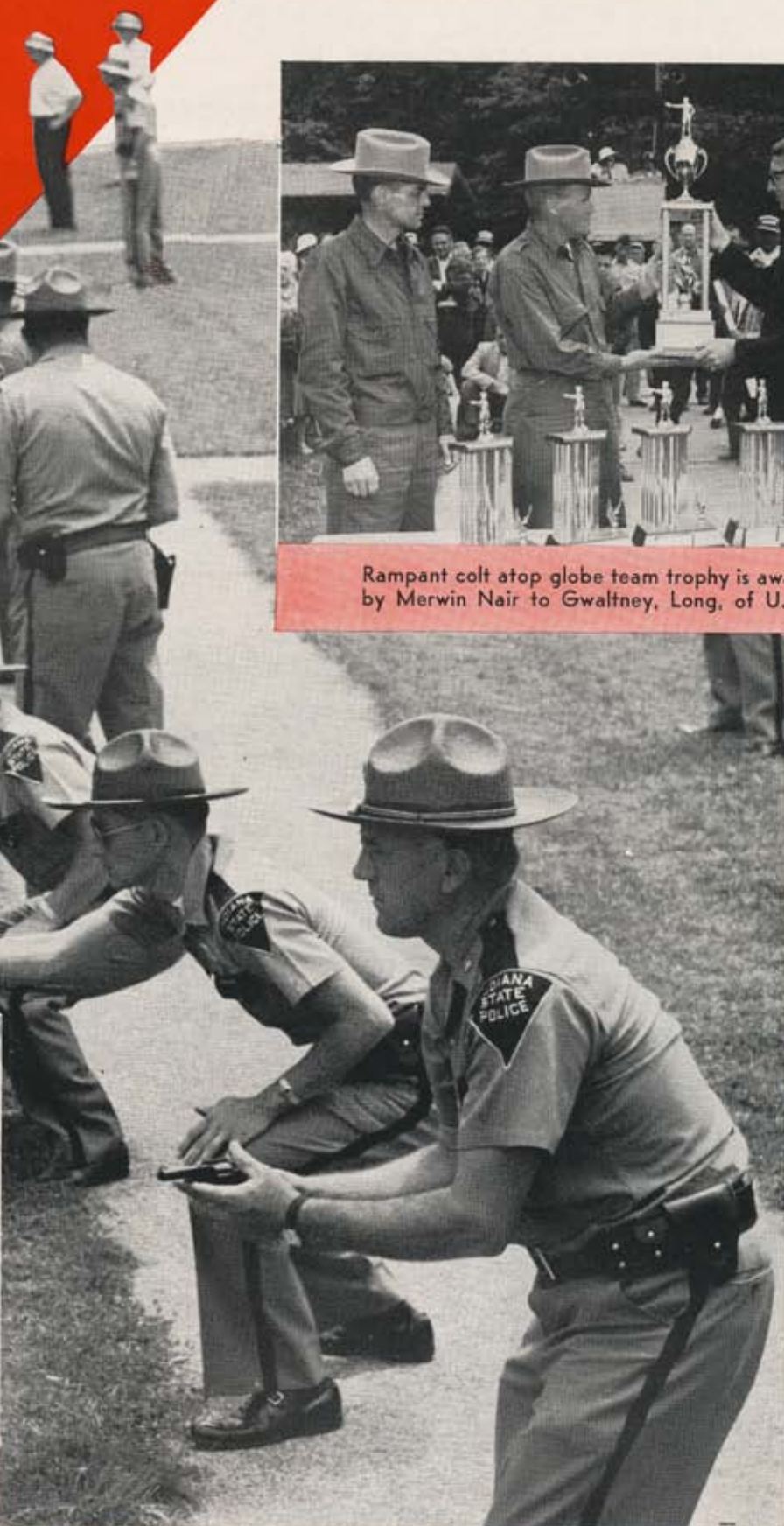
No alibis allowed at combat match where bum primer could mean death.



Rampant colt atop globe team trophy is awarded by Merwin Nair to Gwaltney, Long, of U.S.B.P.



Nair and Police Training director Borkenstein, with top gun Loukides.



COLLEGE MATCH

BIG COLT POLICE PISTOL MATCH DREW

**300 TO FAST COMBAT COURSES, MAY
BECOME CLASSIC MEET AT INDIANA U.**

By BILL TONEY, JR.

CONVERGING ON THE Indiana University campus at Bloomington last May were nearly 300 policemen from many states of the Union, Puerto Rico, Canada, and points between. They were not going to school, though ISU has a top school of police science and administration. Rather, they came to prove what they had learned: to show that they knew how to shoot in the most unusual shooting match of the season. The Colt company and Indiana University had teamed up and footed the bill for this competition, doubly unusual because it featured strictly combat-type events fired in combat situations against time.

The Colt silhouette target with its X-ring modification was used. The course of fire consisted of: ten rounds double action from hip level at seven yards in 25 seconds; 15 rounds double action kneeling; weak and strong hand barricade at 25 yards in 90 seconds; 20 rounds single action sitting, prone, weak and strong hand barricade at 50 yards in 2 minutes and 45 seconds; five rounds single action prone at 60 yards in 35 seconds.

At each stage, each competitor on that relay took his place, loaded upon command, holstered his revolver and, at the command, "Fire," signaled by a whistle, drew and began firing. He reloaded when necessary for that stage without further commands. Timing was by hand-held stopwatch. The cease fire command was also by whistle, and competitors were penalized for early or late shots.

The complete course of 50 shots was fired for the individual match and again in the team match.

The Ohio State Highway Patrol, New Haven, Connecticut, Police, and a Border Patrol team of the U. S. Immigration and Naturalization Service from Detroit were all tied for first place at the end of the tournament. Fortunately, the program provided that ties would be broken by the number of hits in the "X-ring" composed of a three-and-one-half-inch vertical strip in the center of the target combined with a six-inch circle in the chest area. The Border Patrol won with 137 xs to 129 for New Haven Police and 122 for the Ohio State Highway Patrol.

Louis Loukides of the New Haven Police won the individual match, with a perfect score of 250. Robert Brannon, Federal Bureau of Investigation, Evansville, Indiana, also had a perfect score of 250 but fewer X's than Loukides. Investigator James R. Gwaltney and Immigrant Inspector John C. Forman of the Border Patrol team were third and fourth with 249 and 248. I placed (Continued on page 58)



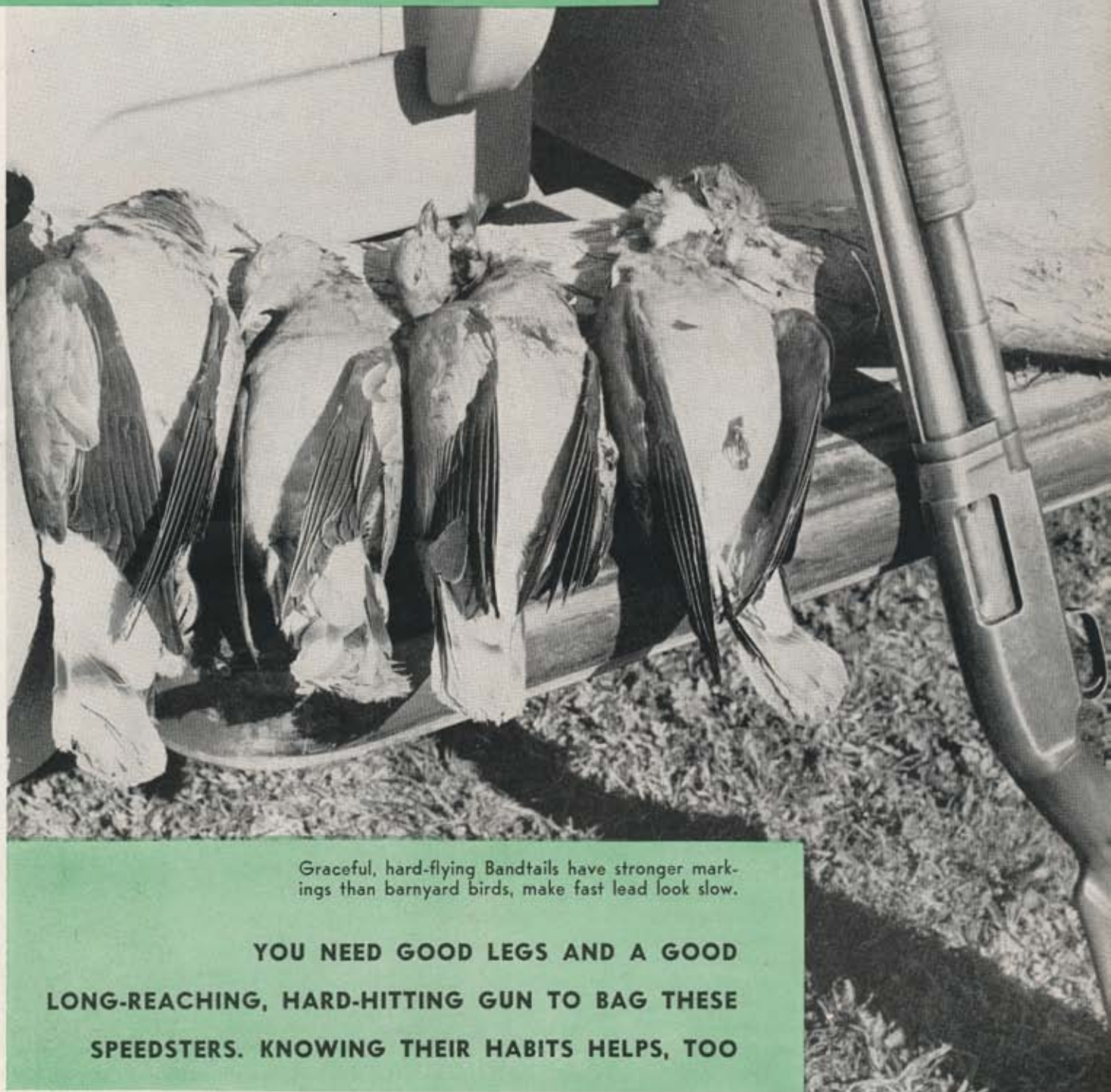
"Whether shooting from hip should be required, is debatable," says Toney, showing quick draw.



Minimum self-target, maximum steadiness, were tried at Indiana U match in which nearly 300 police fired.

BAND-TAILS:

THE WEST'S BEST SHOTGUN TARGET



Graceful, hard-flying Bandtails have stronger markings than barnyard birds, make fast lead look slow.

**YOU NEED GOOD LEGS AND A GOOD
LONG-REACHING, HARD-HITTING GUN TO BAG THESE
SPEEDSTERS. KNOWING THEIR HABITS HELPS, TOO**



Scouting pigeon flyway, author rests while climbing. Birds often fly in saddles over hills.



Knowing bird food can help hunter, Curtis stood near Toyon berry bushes where wild pigeons fed.

By WILLIAM CURTIS

FEW BIRDS ARE more typical of rugged, hard-to-get-at terrain than the wild pigeons of the west. During migration, they occasionally swarm into the lower foothills and valleys, sometimes even threatening farm crops. I've seen them strip thumb-sized green prunes from orchards and pull up sprouting grain; but, mostly, they stick to the high country.

Open hunting seasons vary between September and December. Oregon, Washington, and California are the top bets for the nimrod who wants to clobber a bandtail. They're big and tough and hard to get within scattergun range. Through the years that I've hunted pigeons, I've never seen a dumb one. Even young birds that have had no experience with chilled shot are spooky and wild.

You seldom get a chance closer than 30 yards, and most will be out at the fringe area. So, when I'm pigeon hunting, I select a full choke barrel and No. 6 shot. You may not get as many pellets in the target (important to me in fast or snap shooting—such as quail or partridge) as you would with, say, 7½s. But the pellet energy is stepped up enough to better your chances of dropping these big birds at extreme ranges.

The main step in pigeon hunting is locating the flocks. A check of the outdoor columns of local newspapers may help. If you once know bandtails are working an area, the best way of pinpointing them is to tour around likely feeding grounds early in the morning. Keep a watchful eye on the distant peaks and ridges. They do a lot of shuttling back and forth.

During the fall months, acorns are a chief drawing card. The hungry birds can gag down so many acorns that their crops often burst open when the shooter brings one crashing to the hard-packed earth. Where I live in central California the season opens in December, and the large, red madrone berries that ripen this month rate number one on the bandtailed pigeon's menu. Madrone trees grow in the coastal mountains among the pines and oaks. Bandtails also feed on salmon, elder, toyon and manzanita berries. In the spring, oak buds are a favorite dish. Look for these tasty bird foods, and you may also find birds.

If you once get into the middle of a fair concentration of pigeons, you'll never forget it. The distinctive flapping of their wings heralds a flock's approach, and you're usually ready for 'em. But there's nothing else easy about it! A bandtail does no dodging, twisting or swerving. He depends solely on speed to get him out of danger. The weight of a pigeon hunter's bag depends on his knowledge of lead, and you may have to do a little revising after a few tries at *(Continued on page 41)*



Even thin sticks can constitute "camouflage." Tree branch breaks outline, conceals hunter from pigeons.



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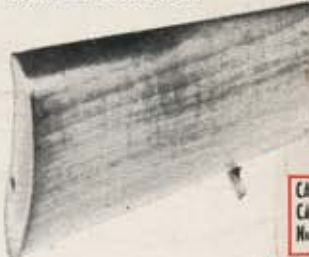
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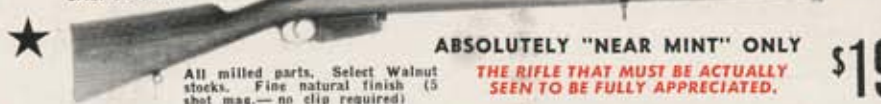
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CAL. .303



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FROM SWITZERLAND!!! Where the Watchdog is Always Precision!

Cal. 7.5 SWISS



MODEL 1911 SWISS RIFLES

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The most SOUGHT AFTER treasure in all gun-dom—at last run down by Ye Old Hunter (Who else would dare such a stark "impossibility"?). And just to please you Swiss rifle lovers whose voices went so long unheeded! A few lucky tourists have been paying \$90.00 for these rare precision masterpieces . . . but now this very rifle is available to ONE AND ALL at the unheard of give-away price of ONLY \$16.95 (No misprint—YES—only \$16.95!) Do not confuse this Model 1911 with some salvaged older models which others may offer—this is a true, genuine Model 1911 used by the world known Swiss marksmen with such effectiveness that no country dared violate its effective range. Super designed with the rapid (almost semi-automatic) straight pull bolt and also chambered for the SUPER ACCURATE 7.5 Swiss cartridge, available from several U.S. Dealers NOW. This is the rifle that could not wait for ammunition shipments (coming along shortly) . . . but who wants to do more than initially just "eye" this exquisite attraction. Think of it—no immediate ammo problems—no ammo. A must for any collection. . . . Order now, before huge supply has been picked over. All in good or better condition. (Selected specimens only \$3 additional!) The bargain you can't afford to be without.

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The collectors' and shooters' find of the year at lowest price ever offered! The rarest and most desirable of contemporary Mauser rounds available at last! Formerly sold up to \$1 per round, so stock up now while supply lasts at this amazing price. Contemporary production! 184 Gr. Boat-tailed Bullets. What-a-give-away, Today!

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U.S. .30 (.30-40 CALIBER) KRAG . . . \$5.50

Leave it to Ye Old Hunter to return triumphant with this greatest large rifle cartridge in America today. Beautiful original Commercial U.S. Krag 220 gr. PP. loads at far less than even reloading comments cost. Supply not inexhaustible, so better order now to be sure! Manufactured by Winchester, Etc.

Exclusive—Collectors and Cartridge Design Maniacs.

7.62 RUSSIAN SHORT. Only \$4.95 per 20 rounds. A priceless exclusive first and possibly last. NOBODY but Ye Old Hunter (the collector's best friend) has this—and at what hazardous dealings. Nikita himself had to OK this deal and only a reluctant, bored, and grumpy Nikita could be convinced him he had nothing to lose by giving this new TOP-SECRET Russian cartridge on the American market. This is the secret cartridge used in the new Russian SKS-46, the Avtomat assault rifle. Their new 136G and according to rumors, designed for interplanetary use. Only \$4.95 per full 20 rounds.

CALIBER .303 BRITISH . . . \$7.50

HERE IT IS! Leave it to Ye Old Hunter to bring gleaming perfect fresh stock .303 British ball 170 gr. magnificent issue. This is the secret cartridge used in the now to shoot those sensational bargain Royal Enfields for almost nothing! All brass fully reloadable cases. This sparkling ammunition on hand for immediate delivery.

.303 BRITISH SOFT POINT . . . \$14.75

Unbelievable, earth-shaking, but true, true, true! Imported sporting .303 British soft-point ammunition now available at the unheard of price of \$14.75 per 100. Never has anyone dared offer new hunting ammo at 15c per round, but Ye Old Hunter, being all heart, spared no expense to close a deal all other hunters can cash in on. Brass case, with non-corrosive Berdan primer and 174-Gr. expanding bullet make this the ammunition boy of the century. Perhaps longer! Be prepared. Stock up!

8MM GERMAN MAUSER ISSUE . . . \$7.50

Beautiful, clean, 8MM Ball ammunition, all brass cases and boxer (reloadable) type primers. True 0.323 bullets alone worth more than the give-away price for these complete M.C. cartridges. Order today and shoot your favorite Mauser at this shooable price, for stocks of this select ammo cannot last forever. Don't delay, order today.

9MM LUGER (PARABELLUM) . . . \$5.00

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9MM F.N. STEYR PISTOL . . . \$5.00

This amazing find makes possible this most shattering offer of the century. Fabrique National's superb smokeless powder ammo packed in original long boxes, NOW!

.42 COLT BERDAN RIFLE . . . \$10.00

Amazing but true! Ammo binger and shooters' dream! Original .42 Berdan cartridge in undischarged 6 rd. packets from Tulsa Arsenal. Paper packed 270 gr. bullets in like new condition at this unbelievable bargain.

.43 (.11MM) REMINGTON . . . \$6.00

Who else but Ye Old Hunter would have found this treasure? Original Remington-UMC loads in original boxes—270 gr. lead bullet makes superb target or hunting bullet for those shooable .43 Remington rolling blocks. Appears magnificent—shootability guaranteed. Worth twice this price for comments alone!

.44-40 WINCHESTER . . . \$5.00

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Take advantage today of these superb, safe, sure, selected, sensational, special weapons and ammunition bargains! Never in history was a selection at such prices! Order TODAY from this ad, for lasting pleasure and permanent value! Don't be misled by claims of others—for the finest quality and greatest value selected surplus weapons and ammunition are unquestionably the best!



Home handyman Pen Musser appreciates fine old guns, has den well filled with good collectors' items. Above Colt board is "in white" Paterson he is making.

The Return of the Navy Colt



New replica Navy Arms guns are exact copies of Civil War originals, but made for shooters.

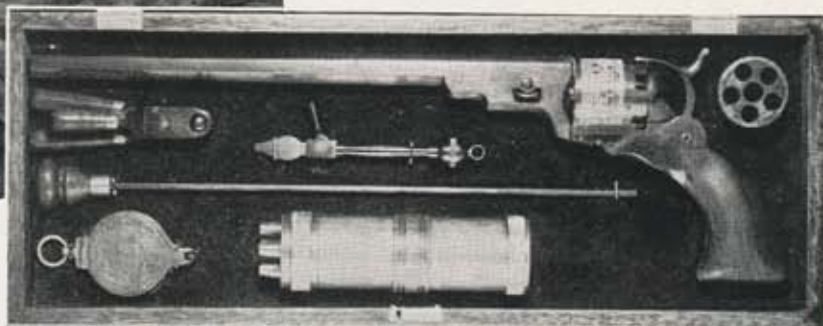


Fine Italian hands in shop in Brescia have part in replica business. Master workman puts final touches to new Navy.

Stock for Army Colt is replica but those marked US with inspectors' initials may be considered fakes.



**ARE REPLICA ANTIQUES, IF
PLAINLY MARKED AS SUCH,
A BANE OR BOON TO GUN
COLLECTING HOBBYISTS?**



By WILLIAM B. EDWARDS

On modern miller Musser surfaces Paterson Colt replica barrel. Outfit is costly, better made than Sam's guns.

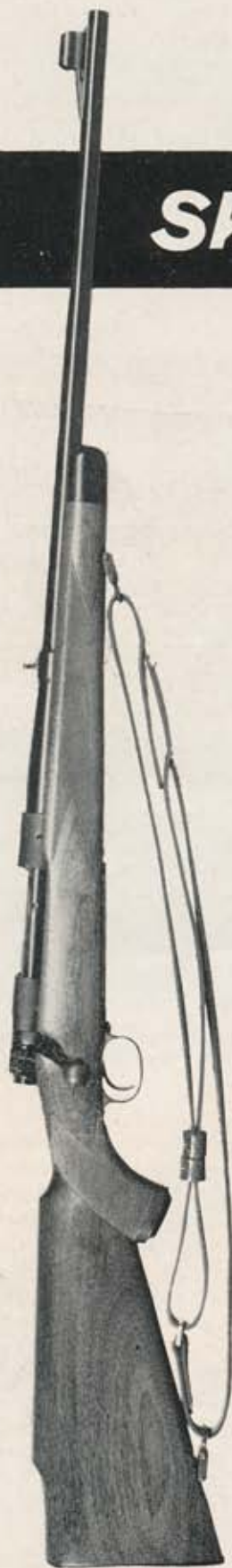
"AND HE PRACTICALLY BEGGED me not to start making Colt replicas."

The man begging was one of the country's foremost gun collectors, a man of much learning and enthusiasm, whose knowledge of what and why he was collecting could not be denied. The man speaking was D. E. Edwards, of Silsbee, Texas, who as a hobby in his spare time has made, to date, 19 shoulder stocks for the Springfield M1855 Pistol Carbine. The occasion of Edwards' remark was when he completed a replica stock for my paternal grandfather's heirloom big Springfield pistol. And the whole subject was the most controversial today in the gun collecting field—what to do about modern replicas of old time guns.

Whether a replica is fake or facsimile is an argument over which gun collectors take sides in a hurry. There seems to be no middle ground. The problem for years was confined to the occasional basement gun butcher hacking up a Walker from a Dragoon by welding on an extra

length barrel, or the Confederate pistol faker brass-plating some worn-out old Navy Six. Today, the problem takes on a new slant because of the aggressive commercial exploitation on a national scale of modern replica Colt Navy and Rebel Army revolvers. A new company called the Navy Arms Co., Bogota, N.J., has just announced the production of shooting facsimiles of the popular Union and Confederate revolvers. More replicas are, says NACo president Val Forgett, Jr., in the works for future deliveries.

"The Civil War Centennial, from its reenactment of the Battle of Bull Run to the signing at Appomattox, is going to make everybody acutely muzzle-loading gun conscious," says Forgett, in explaining why he got into the Navy replica business. And another man, midwestern Civil War curio dealer Bob Vogel, on whose Valley View Farm near Wadsworth, Ill., "Civil War Cannon Shoots," are held every six weeks, exclaimed when shown samples of the NACo guns, "These are the answer to this business!" He was enthusiastic about having. (Continued on page 44)



Ski Shoot at Squaw Valley



Spectators are forbidden but most interesting of snow sports in Winter Olympics will be ski-shoot. U.S. entrants will use Model 70 .243 iron sight rifles.

By HARVEY BRANDT

FROM THE GASTHAUS, and from the steep cobble-stone street that passes the town hall with its second-floor entrance across a bridge, and from beside the ice-brook that tumbles toward the valley floor and the solitary railroad station, you can see the Mountain. At its summit, burned into the mountain with gasoline in 1945 by Russian ski troops, is a huge hammer and sickle. It is faded now, but the villagers of Saalfelden, high in a cup of peaks among the Austrian Tyrols, still remember the skill and ability of Soviet riflemen on skis.

But in March, 1958, a new type of man-with-a-gun came to tiny Saalfelden—competitors in the Winter Olympic "Biathlon," the shooting match on skis. And the hammer and sickle as an omen of Soviet skill looked down over all. For USSR skiing marksman scored near the top: came out with 3rd, 7th, 9th, and 10th places in a competition dominated by Sweden's Wiklund and Olle Gunneriusson who took first and second. But far down the list in 20th, 24th, 26th, and (last) 29th places, were the U.S.A. competitors.

Certainly, "the game's the thing." But the purpose of any game is to win



Tricky course takes firing from 100 to 250 meters while skiing 20 kilometers. Locale of Squaw Valley Lodge, Calif., is site of Winter Olympics.

—with honor. There is no honor in losing, unless it be in losing gracefully. U.S.A. competitors in the recent biathlon events have finished low on the list. But with each entry, the half-dozen or so skilled skiers who combine the acrid tang of powder smoke with the bite of frost on the face have finished a little higher up the ladder. They have done better in spite of the biathlon course being a combined skill long exercised by north European military sportsmen, especially Swedish and Norwegian militia who meet as civilians for weekends of fun shooting in the snow.

Consider the recent record. Again at the World Championship Winter Biathlon, in Italy in February 1959, Robert Collins, slender 29-year-old University of New Hampshire geology major who has skied since he was five years old, now on duty with the U.S. Army, finished 19th in a field of 30. And better yet was the record of



Heavy favorites to win are Russ shooters who combine work, sport, trapping furs.

another New Hampshire man, Maurice Pacquette, Jr., who explains finishing 8th in the first major championship event he has entered, with the simple statement, "I was able to start skiing at a very early age." Pacquette, son of a building contractor of Plymouth, N.H., and currently a student, placed 8th in Italy but, the following month, won the famed Thompson-Alpine event in Alaska.

Topping Pacquette (8) and Collins (19) were Vladimir Melanin and Dmitri Sokolov, first and second, both of the USSR. A third Soviet skier, Valentin Pchenitsin beat Pacquette for 7th place.

But the biathlon has ceased to (Continued on page 63)



SHOP EQUIPMENT

(See also Cover 3, pages 3, 41, 64)

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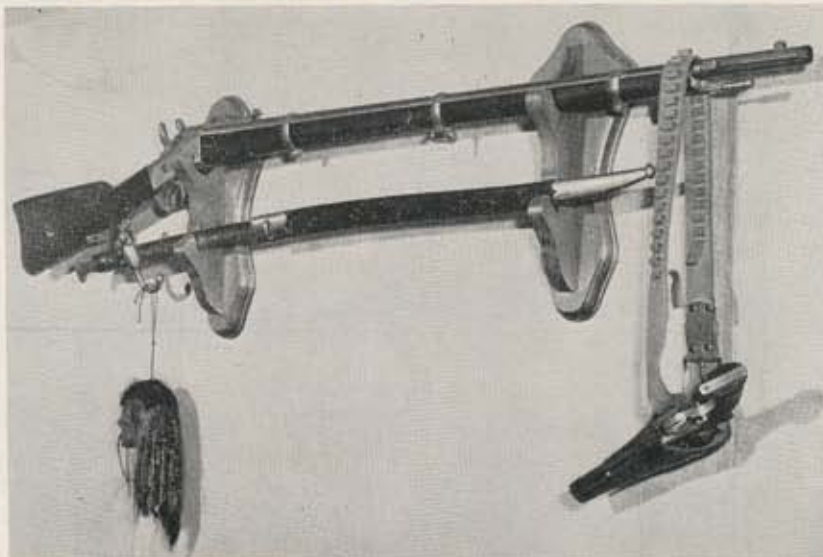
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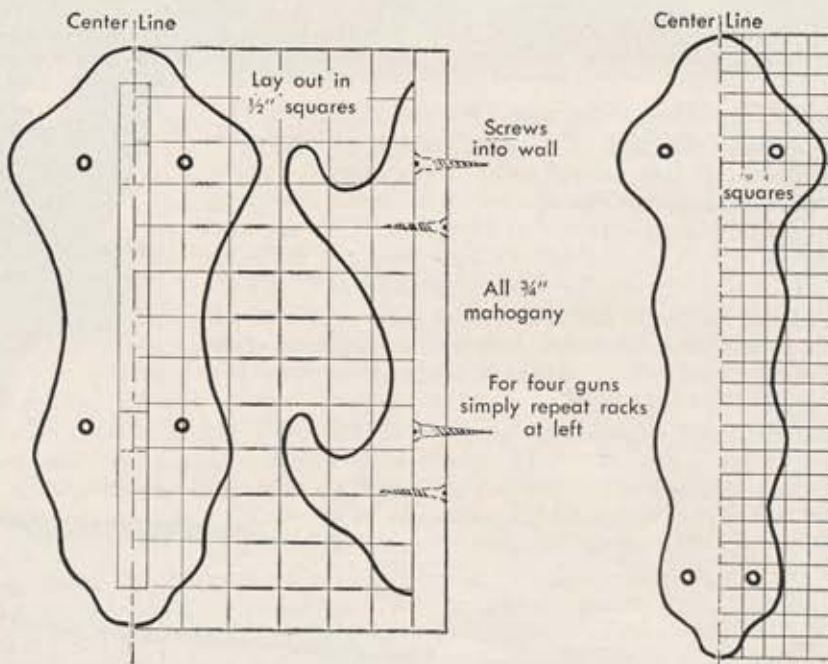


Plaque-like wall rack for collector or shooter guns makes good ap-
pearance with one or two items, but can be cut to hold any number.

By HI SIBLEY

To the one-gun man, or the man
with one hundred, this gun rack
will prove useful. For the first gun
of many to come, a spot in the liv-
ing room or dining room may be
just right to show off your prized
possession. And if you have many
more, interest can be added by ro-
tating the "exhibit." Might even
get your wife curious about your
hobby. . . Keep the "arsenal" in
your den or basement workshop,
and just show off something nice

with this easy-to-make two gun
rack. If you want to show off more
than two guns, just extend the de-
sign using the finishing shapes top
and bottom. If you're not a wood-
worker, get a home handy friend to
rabbet the edge—cut with a deco-
rative moulding that will also avoid
chipping and splitting. Locate
screw holes so they are concealed
with guns in place. My original is
mahogany; maple or walnut is
good. Then sand, add oil or wax.



Draw pattern on brown paper ruled in 1/2" squares; cut wood to fit.

THE WEST'S BEST SHOTGUN TARGET

(Continued from page 33)

the big boys.

When I was a kid on one of my first band-tail hunts, I had emptied almost a full box of shells without scoring once. Then I spotted a small wad of the slate-blue speedsters coming down the mountain towards me with throttles wide open. I swung ahead of the lead bird, touching off my Model 12 Winchester. The last pigeon in the bunch folded up neatly and smacked against the leaf-carpeted ground behind me.

After that experience, I began swinging farther ahead of the passing birds, and my score picked up quickly. I doubt if you ever shoot ahead of a bandtail when you miss him. They even take off with a surprising burst of speed that you somehow don't expect from a bird so large.

It's a thrilling sight to watch 100 or more wild pigeons settle noisily into a big madrone and start feeding. I've watched the sheer weight of the birds snap off berry-laden limbs. And displaced pigeons would constantly be fluttering around the tree. Such sights are always reminiscent to me of the stories I've read about the fabulous flights of passenger pigeons during the early days.

No matter how many or how hungry the bunches may be, they rarely forget to post sharp-eyed sentinels among the higher branches when they're feeding or resting. If the birds have settled in evergreens, such as madrones, the lookouts will usually be perched on the bare limbs of some nearby tree. Always pick out the heaviest cover for your stalk. I've never found anything wrong with a bandtail's eyes yet.

Pigeons have one habit that has enabled me to knock down the making of a potpie on many occasions that would have otherwise been a blank. Due to the jet speed they depend solely on for safety, the big fellows almost invariably take off on the downhill side from their perch. And you frequently hunt these birds along steep mountainsides or canyon walls where you can make the most of this trait.

I've even spotted pigeons feeding or loafing far above me—unapproachable due to intervening cliffs and slides or plain laziness. Keeping well hidden and in a direct line below the birds, I've fired my gun and had the entire bunch come swooping right over within easy range.

Of course, this method may not work at times. The bandtailed speedsters often swerve out of range on one side or the other. But always sneak up on the bunches from directly below them. If you get close to your quarry, you're almost sure of some action. Even though they take off before you're within range, you'll have pigeons right over you. The bandtails sweep from the trees so fast, they can seldom veer out of range within a 100 yards. On flat land or gently sloping country, it's a different story.

Pigeons have a second weakness that's a big help to leg-weary, frustrated gunners. When the migrations reach feeding sections of real estate, and the birds decide to stick around for a while, they use regular flyways. If the bandtailed pigeons begin working in

certain canyons or areas, many of the bunches will pour through low saddles or along some ridge that has been an established flyway for years. During such times a well-located stand pays off much better than trying to sneak on the flocks.

A few years ago, the pigeons were flocking into a great canyon not far from my home. A friend and I were trying to outwit them, without much luck. We'd get a couple of shots, and all the birds would pull out of the canyon and disappear. A week later we found, when we scared them from this canyon, that they settled in a smaller one several miles farther down the main ridge.

There were several hundred birds hoodwinking us in the two canyons, so one morning we tried a new deal on them. I hiked up to the canyon where we first located the birds. My companion junketed up to the new area where we had recently run into "our" pigeons. In the back of our minds was the idea we might have them hemmed in between us. We both knew these migrants don't readily desert lush berry crops once they've found them, and they habitually stick to favored paths of flight.

I eased along the rim of the big canyon, but it was apparently devoid of anything other than squabbling jays and literally acres of robins. For a stand I selected the highest ridge sloping towards the bottom of the gorge. Tall pines and black oaks offered plenty of cover, and I had noticed earlier the bandtails often arrowed up or down the backbone of this ridge when they were on the move.

A chilly hour passed, and I felt certain we'd been outsmarted again. I figured my partner already had plenty of time to stir up the birds, and they probably had gone elsewhere. Just as I was about to give up, three bandtails came hurtling down the ridge barely clear of the pine tops. I shot twice and heard the solid "whack" of a pigeon crashing into the dry leaves behind me. I retrieved a big male with slate-blue upperparts, light underparts and a pale band near the end of a square tail. He sported a white ring around the back of his neck joined by a patch of shining green. His legs were yellow, unlike the domestic fowl, and his beak yellow with a black tip.

Soon other flocks showed up; the loud flapping of wings tipping off their approach. Some followed the ridge where I was hiding, others swung above or below me. My shots would scare nearby birds away, but others or the same ones would return again. By noon I had rounded up a limit, but I won't say anything about the number of empties scattered among the leaves.

When I picked up my partner later in the day, I learned he had also enjoyed some fast action. The birds were feeding in his canyon when he arrived, but took off after he fired a few times. Later, my shelling drove them back, and we had kept them working between us. Hunters who can locate bandtails and team up against them, will find they're swinging on one of our toughest and wildest targets!

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KEITH ON COMBAT QUICK DRAW

(Continued from page 24)

positions and have grips tailored to fit his hand.

Ramp-type front sights that will not drag or catch on clothes or holster are mandatory. On the .44 Magnum, I also find it advantageous to cut about $\frac{1}{8}$ " to $\frac{3}{16}$ " off the back of the hammer spur and round the corners and checkering by grinding. Also, I have the wide triggers thinned to just $\frac{3}{8}$ " total width for double action shooting. I do not believe in cutting out the front of the trigger guard, although, for men with long fingers, it can be narrowed for easier access to the trigger. I do not believe, either, in de-horning the hammer. You may want to do some long range or deliberate slow fire shooting, for which you'll need the full hammer spur for cocking the gun, especially with cold fingers.

Some insist that the single action is the fastest gun for the first shot, but I do not believe it. Chic Gaylord has recorded just as fast time with a double action, and McGivern's double action records are history. With equal training in both double and single action quick draw, I seriously doubt if either one is any faster than the other—but it is a sure bet that the double action draw is a hell of a lot safer for the shooter. We'll get into this later.

Next, let's talk about gun positions and holsters for quick draw. Cross draw rigs are very fast when the target is to the side of the shooter, so that the muzzle points toward the target before the draw; but if the body has to be turned to line up the gun, or if the gun has to be drawn and then swung on the target, it is very much slower than the straight side-hip draw. Probably the very fastest time will be recorded with single actions, hip holstered, with butt of gun tipped back and muzzle forward, using the old hammer draw method. The gunman simply hooks the gun back out of the holster with the thumb, cocking and firing as he does so. It is fast, and okay for competitive quick draw using wax pellets, gas guns, or primer loads. But with full loads, it has also caused more busted legs and ruined more \$40 boots than any other draw. Accuracy is practically nil beyond a few feet range. I have watched some of the fastest single action men use this draw, but I want none of it for my purposes. I say that it is neither safe nor practical for combat.

Even this hammer draw from a holster is no faster, and I doubt if it is as fast, as the draw that is possible with Jesse Thompson's swivel and belt clip—the stud being used as a hammer screw on the single action Colt, and a belt clip into which the stud slides to hold the gun on the belt. To my notion, this is the fastest gun rig ever devised. I know I can do faster and more accurate work with it than with any holster ever made. You simply wipe the gun off the belt toward the target, and fire as the muzzle lines up. This rig, of course, offers no protection to the gun and none to the clothes of the wearer, but the gun does swing around to conform to any body position on the belt, either seated or standing. It is applicable to any gun, single or double action or automatic. Studs can be fitted to right or left side of most any gun to hold it in the belt clip with butt at just the right angle to suit the shooter.

I prefer the butt of gun tipped forward, so you are not drawing against the leather, and I prefer to draw and throw my gun toward the target as I fire. This draw is safer, and it is more accurate. If a smooth, even, rhythmic motion is developed, from start of draw until gun is fired, it is also very fast. You can point your finger at anything with such a motion and be dead center on it; the same applies to your gun, once you have used it enough so that it is a part of you and simply a prolongation of your hand. Some 25 years ago Ed McGivern and I agreed in the opinion that about one fourth second was tops for any man to draw and hit an adversary with certainty at 10 to 15 yards, using either single or double action guns. Even that meant starting on his own mental impulse, and was very apt to be his very fastest time, with many draws registering a half second or more. Even a half-second draw-and-hit is very fast, and if the shooter has to start on someone else's signal, then the draw and hit with full heavy loads may run anything from one-half to a full second, depending on how fast the shooter's reflexes are. Put a target of a man's head and shoulders out at 15 yards and see how many of the hammer-cockers who now record the draw and fire under a quarter second can hit it. You will find very few who accomplish

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hits under the best of conditions in under a quarter second. They fire their gun when it barely clears the holster in order to attain such blinding speed, and that means nothing in a gun fight unless your adversary is at arms length. The gun is too close to the body to properly point it and the shots will spray up and down a good six feet at any considerable range.

For both safety and deadly accuracy combined with speed, I consider the double action Smith & Wesson sixgun in a class by itself. I like the grip and the double action pull of S & W better, myself, than other makes, but others have other preferences. But with any double action gun and a holster properly designed, the trigger guard above the leather and the butt tipped forward, you have the safest of all quick draw rigs, and the fastest except for the stud-and-belt-clip carry. The double action requires a sure heavy pull of the trigger and a firm grip on the gun. You have ample time to accomplish this trigger pull as you swing the muzzle up in line with the target, with only a fraction of the chance of a fumble that could fire the gun before it lines up with the target. All my practice was with live full loads, starting slow and letting speed come with practice. Today, the novice can use primers and wax

bullets and be entirely safe while learning just as fast.

To start quick draw work, stand loose and perfectly relaxed. No use telegraphing your intentions to an opponent by going into a stiff crouch that will not increase either speed or accuracy. Start by drawing gun and swinging the muzzle upward as you poke the gun forward toward the target and fire. Do this over and over until you hit with each shot, right where you want your bullet, before you make any attempt at speed. Forget speed for the time being; it will come naturally with enough practice. Just practice a smooth, even, circular motion of the hand from wherever it happens to be to the gun, and on with the gun toward the target until it is fired. Poking or throwing the gun toward the target lines it up and you will score hits every time. Practice it enough and you will develop speed as well.

I drop the shoulder of the shooting arm down and back as the gun is scooped up and forward toward the target. After the first shot, I usually bend slightly over the gun or guns as I continue to hammer the target double action. After the first shot is time enough to move. That first shot should be fired with the least possible body movement. Concentrate on drawing and hitting with that first shot. If in a gun fight after dark, then move with or after every shot so your opponent cannot hit you by shooting at the flash of your gun.

Another very good gun rig is the Berns Martin, designed to carry a heavy handgun high and yet in position to be drawn quickly in an emergency. It does just that, and with very short barrel guns it is very fast—but still not as fast for me as the properly designed open top holster.

Shoulder holsters, like cross-draw holsters are never as fast as hip rigs. If you face a target or opponent, you have to jerk the gun butt down to clear the spring and then swing the gun around in line. It is hard to stop the horizontal swing at the right instant with either cross draw or shoulder holster. The shoulder holster, while one of the best of all positions to carry a gun while hunting, is out as far as I am concerned as a quick draw rig.

If the quick draw holster fits the gun tightly, then the belt must also be tight so that there is no movement of the holster on the belt. If the holster fits the gun loosely and the rig is made of hard, firm leather, then the holster does not need any tie down or string around your leg, but for general use should have a safety strap that can be snapped over the hammer spur to hold the gun. The strap should be long enough to fold over behind the belt when not needed, or to snap in some position where it will be in the way of the draw. The Bolin spring tab is best of all.

Next, let's look at gun positions. The movies, patterned after Zane Grey's many novels, like to depict the gun fighter with low-swinging guns. I had Zane Grey and his party of ten out here on a two months pack trip to Thunder Mountain back in 1931, and showed him the first long range sixgun shooting he had ever seen. He wrote the novel "Thunder Mountain" after that trip. To my notion, a very low hung gun is in the way either walking or riding, and for fast gun work is slower than a higher hung gun. You have to raise the gun higher to line it up

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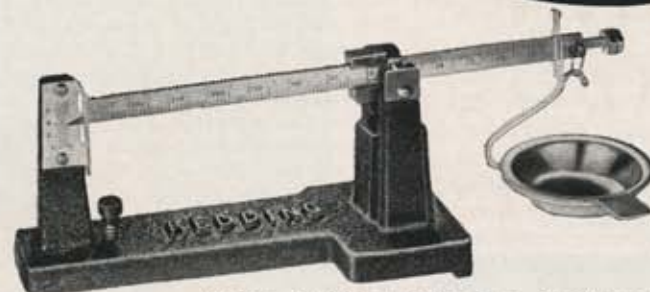
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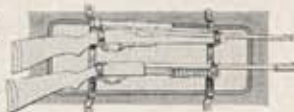
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with your target, and that takes more time. For me, the fastest of all gun positions is with the butt of the gun tipped forward and riding about half way between wrist and elbow. Some very long armed men may like it lower, but Bill Jordan has long arms and carries his gun even higher, and he and Bill Toney, George Parker, Charley Askins, and others I could name, are among the most deadly and fast gun men of our time. Ed McGivern was a very short pudgy man and carried his guns about the same as I do, or slightly higher. He was the fastest and best double action shot that ever lived.

Double action shooting requires training of the gun hand and trigger finger, and nothing is better than fast double action shooting. I practiced one of Ed McGivern's stunts one whole winter, throwing a gallon can up 18 to 20 feet in the air and hitting it six times before it reached the ground. After a winter's practice, I did this stunt six times straight, tossing my own cans with my left hand. I was using a S & W .38-44 Heavy Duty 5" gun. I used to make three hits, throwing the can up with right hand, then drawing and shooting with same hand. This stunt was easy as compared with some of McGivern's. One of his best stunts however was to have five clay pigeons thrown up at once, then breaking two with one gun and three with the other, shooting two guns.

For plain clothes wear under a coat, the best position for me is to have the holster on the waist belt right over right hip bone. The hammer of the gun is barely above the top of my hip bone. A coat easily conceals the heavy .44 Mag in my design holster or one of Chic Gaylords' belt holsters, and with the butt tipped forward, makes for a smooth, even, draw straight out from the holster. The gun need be raised very little owing to the forward slant of the holster. This can be a

safe and very fast draw. The coat is worn open in front, and I do not use any body sway to swing the coat, merely thrusting my gun hand back inside the coat and scooping the gun up and out toward the target in one swinging circular motion. Men with long fingers need the gun butt positioned about two inches out from the body. Men with short fingers can grasp the gun easily with less room between the gun butt and the body. Some holsters tip the butt outward from the body at a sharp angle. For me, this is wrong; but different body conformations require different slant and different positions.

In all quick draw hip shooting, focus the eyes on the target to the exclusion of everything else and keep them there while you draw and fire. You will be surprised how well and accurately you can shoot with this point method. The feet should be spread somewhat, with the weight slightly forward. Let the shoulder drop down and back as the gun goes forward. Dropping to a crouch is all right after the first shot, making smaller target for your adversary; but always fire that first shot from a perfectly relaxed, easy stance if possible.

There is a vast difference between reaction time and impulse time. There is also a vast difference between the reaction time of different men. A man with a smooth, even, accurate draw that consumes most of a second is very apt to win against even the very fastest gunman if the latter waits until the former starts his draw. If the chips are down, don't wait for him to start proceedings; gunmen past and present who have lived longest, started first. They made up their minds what they had to do and went through with it. The old "you go for your gun first" stuff sounds very sporting in the movies, but it's the bunk when you are risking your life against a no-good killer.

THE RETURN OF THE NAVY COLT

(Continued from page 37)

answer to this business!" He was enthusiastic about having, at last, something to sell at a price most people could afford to pay. Vogel had the dealer's slant on things; but Chicagoland collector Archer Jackson, Jr., a member of the Company of Military Collectors and Historians and sundry other gun collectors' associations, was equally enthusiastic.

"No, I don't think replicas will hurt the value of good collector guns," Jackson declared. "Even the junkers will continue to rise in value. But you know, I've been looking for one of these replica things myself—I have a Colt Army that has been reblued and isn't in good collecting shape, but it is a good shooter. I've always wanted to pick up a shoulder stock and try it out as a pistol carbine, but you simply don't buy stocks in Bannerman's junk pile anymore for \$15... Guess I'll just have to get a replica."

Jackson concluded on a rather interesting point: "Anyway, if someone finds an original Colt stock and puts it on a gun, is the assembly, put together today and not a century ago, legitimate? I've seen plenty of Colt Armies with what were supposedly original stocks, put on three-screw frames, when Sam Colt planned to fit the stocks only to four-screw-framed guns."

But still the battle rages. Men like John duMont of Massachusetts, and Harry Knode

of Texas, both advanced collectors, are firmly against the production of modern replicas. So strongly has duMont felt about this matter, that he (as a member of the gun collecting committee of the National Rifle Association) prevailed on *The American Rifleman* to refuse advertising from replica makers. Contradictorily, each year the N.R.A. has awarded to some distinguished personage a lavishly hand-crafted Kentucky rifle, silver mounted and with magnificently striped stock, which is so new the varnish is almost wet! Made by a master gun craftsman in Ohio, this replica Kentucky, a fresh example of which is awarded yearly, is an official presentation by the N.R.A. Certainly, the problem cannot be easily reconciled.

Advanced collectors are against replicas because too-often a replica has been falsely sold as original. The advanced collector, admittedly in the minority, has thousands of dollars invested in fine arms. Unless he began collecting many years ago, he has paid heavy prices for his rarer guns. One exceedingly fine Walker Colt, bought back from Denmark at \$2,000, jumped to \$10,000 in a few months of trading from one dealer to another and finally to a wealthy Texas collector. This specimen was unusually valuable because gradually the dealers who successively upped the price came to realize that it was unique—it was the only known Walker Colt in a contemporary casing. (The

expression "original cased Walker" applied to this gun, as Lincoln said of the rat hole, "deserves looking into." Walkers "originally" at time of issue were paired, two by two. Tabulated are pairs of cased Walkers, not single pistols, presented to Generals Harney, Twigg, and others; but no such casing has come to light.) With uniqueness an element of value, certainly the collector who sees replicas turn up identical to his cherished prize may be excused his alarm.

Probably most skillful of modern replica makers in general is a pleasant, round faced young man in the horn rimmed glasses who lives in Reseda, Calif. Penrod Otis Musser is his name. By day he is regularly employed and by night his home workshop hums as he turns out another Paterson Belt Pistol or a Walker complete to the Indian and Ranger fight scene on the cylinder. Musser does not engage in mass production: his models, which are full scale copies of popular and valuable collectors' Colts, are skillfully laid out and cut from steel by mills, shapers, and drills. Each is a "tool room job." It is amusing to consider that with the ordinary metal-hobbyist's lathes and millers he uses, Musser may be making Paterson revolvers more by machinery than did Sam Colt himself generations ago!

Musser's line-up, which he offers at prices midway between junk-shop sleepers and fair prices for originals, pay him back at low rates for the time he spends in their production. Currently available are Colts as follows: Paterson No. 5 Belt Pistol with long barrel, at \$500. With the Paterson can be obtained accurately shaped replicas of all the accessories, and including the distinctive fluted-edge Paterson rosewood or walnut case. The cylindrical five-spout flask, neat "watch fob" capper with its running horse, three-handle bullet mould, jag-end cleaning rod, and compound 1839-type loading tool, all are sold at modest prices considering the way they are produced, by hand-machine work. Though each is an individual job, Musser works closely to gauges he has made, so his replicas are very close in detail to the general run of originals.

Also in production at about \$300 are Walker revolvers, a full four pounds of shooting .44 which, if you are willing to spend a little more, can be had completely cased with mould, flask, and horseshoe wrench-tool. Also being made as time allows are shoulder stocked Navy revolvers complete, including a 12" barreled type, and separate stocks for Army M1860 Colts. Dragoons, too, have been made by Musser, and he has turned his hand to producing one or two of the littlest Colt, the original Pocket Model 1848 without loading lever, also called Baby Dragoon. A specimen of the Musser Walker revolver examined by me was stamped inside the barrel lug with Musser's name and address, and the word "Replica."

Partly in criticism, partly in justification of Musser's activities, I should remark that the reason I looked at the Musser Walker (displayed several years ago at a middle-western gun collectors convention) was because the grip shape was not quite right. Subtle details—hardly important enough to comment on individually and, in most cases, not even capable of being demonstrated by comparisons with original dimensions—revealed that the gun was not genuine.

(Continued on page 48)

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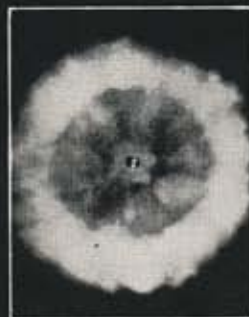
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(Continued from page 45)

Perhaps I'm a little sensitive to the line and form of gun design, but even an exact copy of an article can be too good to be true. In researching my book, *The Story of Colt's Revolver*, I studied Sam Walker's own personal Walker revolver in the Colt museum in Hartford. My measuring scale was a steel rule graduated in tenths. The modern mechanic may be horrified at my "lack of precision," but I should point out that until after the Civil War gunmakers were doing well to work closer than "a fine sixty-fourth"—1/64" on a steel scale. What I discovered was that of the three top flats of Walker's pistol barrel, two measured .3" and one measured .2"—a full tenth inch difference! Considering the hand finishing and fitting involved on the old guns, it is easy to see that a precision copy alone is not necessarily an undetectable imitation.

Musser's own philosophy is pretty rugged and independent. He is a collector; owns some nice Winchesters, assorted Springfield .45-70s, and percussion rifles including Kentuckies and a nice Mississippi Yaeger Rifle, M1941. But the idea his products "will destroy the high prices of a few items held by a very few collectors does not concern me at all," he declares. "My greatest reward is to go to a range and see active shooters and collectors shooting my products and using my accessories."

Musser now marks his guns, although unskillful attempts to weld over his marks have been made by fakers. "The idea that someone may get stuck with one of my products after it changes hands is no concern of mine," says Musser. "This happens a thou-

sand times a day in other kinds of business. There are laws about fraud which can be applied. And," he concludes, with an air of satisfaction felt only by the independent mechanic who knows he is good, "If perchance this should happen, the buyer got a better gun anyway!"

Whether you may agree with Musser's individualistic attitude, or deplore it, there is one basic law at work to protect, as much as possible, the unknowing collector from some unscrupulous butcher altering a replica. This is the Federal Firearms Act of 1938, as amended, and the Regulations enforced under that Act. These Regulations have one major point of value in them: the Federal prohibition on altering or erasing the serial number and marks of a firearm. And, although cap-and-ball guns are not "firearms" in the Machine Gun Act sense (hence shoulder stock guns are legal, thanks to the efforts of the N.R.A.), they definitely are firearms in the FFDL sense. Any dealer who is licensed under that Act can incur strict penalties for Federal violation if he is even in possession of a gun from which the marks have been erased. In the instance of old, worn-out revolvers which have been refinished so that the marks are indistinct or obliterated, this law is seldom if ever invoked. But the purpose of the Act is to prevent criminal activities. And if the question arose in any civil case of fraud, it would be entirely just to invoke the Federal Firearms Act in order to quash fakers and phoney gun dealers. In this, there is no question but that the enforcing Treasury officers would have the entire support of the gun fans.

Musser's reasons for making his replicas include an appreciation of seeing them on the firing range. Reflecting the growing muzzle loading enthusiasm, Musser has been catering to an in-between level of collector who could afford \$300 for a "shooting Walker," though an advanced collector might reasonably be afraid to fire a genuine one worth ten times that much. Shooters will argue that Musser and others are merely catering to a normal fun-hobby demand, where at first hundreds and now thousands of shooters are turning to the black powder sports for more variety. The Civil War Centennial boom will soon turn these thousands into hundreds of thousands, while more and more people who have no particular yen for gun collecting will flock to the shops to buy something "pretty to hang on the wall." Cost-conscious gun collectors will recall being shocked at seeing \$1.75 junk Remington Rolling Block military rifles polished and buffed to chrome-plated luster, set in shadow boxes, and sold in West Coast decorators' salons for \$85! It is for people like these some answer must be found; for people who, unable to appreciate patina or traces of original finish, will gloss-buff a fine old Colt because "it looks better."

According to Val Forgett of Navy Arms Co., his firm has found the answer—in mass produced shooter's replicas of Navy revolvers. To see just what the score was on this new concern, I made a point of routing my recent European trip via the Italian factory which is under contract to make these guns for Navy Arms Co. My visit surprised me in many ways for, scattered in a seemingly haphazard fashion through a rambling succession of stone-walled rooms, was one of Italy's major gun factories now producing "antique" revolvers. As I studied the layout I began to see the careful order in the unconventionally-laid out works, and came to appreciate the efforts made by draughtsmen and engineers, as well as workmen with machines and files, in bringing these guns once more to "life."

They had made blueprints for the Colt Navy revolver, all made to metric dimensions and, incidentally, with metric screw threads. Any man who gets stuck on these nationally advertised guns, stocked by shooting dealers as well as collector specialists, deserves to get stuck! They fool no one, nor are they intended to fool anyone. But my hat goes off in admiration to the fliers and fitters who, responsible for those last touches of detail finishing which make or break the quality of imitation, have got old Sam Colt's barrel and frame profile down just perfectly. My impression of these Navy Colts is that no collector would mistake one for an imitation of an old Colt, but that if Colt had made a gun according to these detail changes, this is the way he would have made it.

There are detail changes. "We wanted to make this a shooter's percussion revolver, patterned after the most acceptable style of gun," Forgett says. "But those tiny safety pins on the back of the Colt cylinder were worse than useless—they had to go. And the hole in the hammer nose, which just weakened the striking face of the hammer, was another thing to omit."

Other differences include the marking of NAVY/ARMS/CO on the frame in three lines, plus the same stamping on top of the barrel.



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Inside the gun, visible when field stripped, are marks of the factory in Italy, cyphers using the initials *GF*, in several places. Certainly, these new, finely-made guns add nothing to the collector market that wasn't already handy for fakers who had their choice of worn-out Manhattans or Metropolitans to rebuild into "Confederate Colts."

Forgett, a member of a New Jersey Artillery unit in the North-South Skirmish Association, is an advanced Confederate arms collector. He has a number of rarer guns, including the Confederate-altered muzzle loading Hall rifle, two of the only three known Morse cylinder lock muskets, a wall full of Morse Carabines, and other CSA rarities. The symbol of Navy Arms Co. is the Confederate Navy seal. But as for the new guns detracting from the value of his historic relics?

"Not much!" he scoffs. "Along with the copy of the Colt M1851 sixshooter which we make for Yankee fans, you'll notice the other gun now in production is a round-barreled brass framed copy of the Griswold & Grier Confederate six-gun. The model for this piece is my own G & G which I picked up in Virginia several years ago. But I don't think anybody will be mistaking our guns for Confederates, in the real collector sense. For one thing, ours are so much better made!"

Perhaps these detail changes will ultimately be the meeting ground from both sides of the gun collector fence. Clear markings are certainly a must for any replica. They are, if the replica is made for sale, required by law. My shoulder stock for the Springfield pistol from D. E. Edwards, for example, bears his serial number E15 on all parts, while beneath the butt plate, easily seen when unscrewed, deeply struck into the wood in individual stamps $\frac{1}{8}$ " high, is the legend "REPLICA STOCK MADE BY D. E. EDWARDS, SILSBEE, TEXAS, #15, JUNE, 1959." As Edwards remarks, "If anybody is going to get that off, they will have to dig pretty deeply and make some revealing mark, anyway."

Perhaps my only complaint with Edwards' work was that he went too far, and matched the wood exactly in color to the original stock wood; then spent an idle evening whacking the stock with file edge, old bolts and other unidentifiable hard objects until he had created a pattern of "use" that defies you to tell if the stock is new, or has always been with the gun. In that, perhaps, he went a little too far; but that, also, may be just a matter of opinion.

But where an entirely new product is made, or a copy of an old one thoroughly marked, there is only one general type of man who will be easily fooled by the faker. This man is that bane of the thrifty and serious student of historical guns—he is the rich gun collecting dilettante. Thinking that it is nice to "have a lot of fine guns," he will buy from almost anybody and the word soon gets around that he is a sucker. Often, too clever for his own good, he will think he has a "sleeper" and gets something valuable for less than market; and only then calls his friends in to exclaim over his prize. The rude awakening, that he has bought a fake, makes nobody any friends.

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with their money a sense of its value, and a very real understanding and appreciation of historical guns and their meaning. These men, when in doubt, are quick to circulate a questionable piece among their friends to get an opinion. They are informed, and well informed. Some are known by name to every gun collector, because of their scholarly researches in uncovering the tattered fabric of historical gun lore. Much of their concern is for the field of gun collecting generally becoming saturated with fakes, not that they personally will get "taken."

But the most important type of gun collector to take into consideration must be the "average man." He knows guns, learns more about them, and has a healthy skepticism. When offered a Walker Colt at \$300 by some Mexican lad in Brownsville, he will buy it "because as a replica it's worth that." But when the truth is revealed, he isn't too depressed. No believer in pie in the sky, he keeps alert to the ever-possible sleeper or bargain, but he doesn't shape his

life on it. This man may be a shooter; likes to buy collector guns in as fine a condition as he can afford. Each gun should be "shootable," though he may fire it only one day to see how it shoots; then put it in the rack and go on to another. For him, a shooting replica, whether it be a fairly expensive but well-built handmade Paterson, or the inexpensive mass-produced Navy Arms Co.'s Yankee Colt and Rebel Army replicas, is a practical fun-gun. It is a revolver he can shoot all day, and burn up powder and caps till he is black as a coal-heaver, without fearing he's taking the "gilt edge" value condition off his pet collector item. And for the Civil War enthusiast, accurate replicas with just enough minor changes to make fraud impossible, satisfy an important need. The North-South Skirmish Association sees no inconsistency in using replica ramrods (often missing from muzzle loading muskets) or replica clothes and leather goods. The boom in replica Civil War guns will be a boon to many shooters.

THE LUGER .45

(Continued from page 29)

The service automatic is the target shooter's only other choice in either center-fire or .45 caliber. After an expensive .45 tune-up or conversion to .38 special for center-fire, these guns will produce quite satisfactory accuracy. But by their very nature, they are difficult to shoot, particularly for the civilian shooter, who has neither the time nor the money to spend many hours a day on the practice range. The sight radius is short. The trigger pull, when set at a safe level, is heavy. The recoil and muzzle-jump, particularly in the .45, is detrimental to good shooting.

Malfunctions occur frequently from the tight-fitting parts necessary to make them accurate, or because of wadcutter ammunition which is apparently necessary to get the desired scores from them. This same gun is available in .22 caliber, but very few shooters have ever seen one on the tournament line, and with good reason.

In contrast, the Wyatt .45 Target Pistol is built along the lines of a good .22 target automatic. The barrel is screwed solidly into the receiver, as a barrel should be. The sights can both be mounted on the barrel, or the rear sight can be mounted on the receiver assembly.

The action of this gun is the Luger. Its operation is very fast, and cannot be felt by the shooter, as it can with other automatics. Slow motion pictures show the ejection and reloading cycle is 3/64 of a second. Regarding accuracy, the Wyatt .45 delivers beautiful groups with round-nose bullets, which most shooters know give better functional reliability than the wadcutter types in any automatic. The pilot model of this gun has, at this writing, fired 1440 consecutive rounds of registered outdoor tournament competition *without a malfunction or alibi run.*

The grip angle is almost identical to that of the Ruger, Colt Match Target, and the various High Standards. Especially when used with an integral muzzle brake, compensator, or recoil suppressor, the Wyatt .45 has very little recoil or muzzle jump, and is very fast to realign for the next shot in

rapid fire. Trigger pull can be worked down to anything desired, and still be perfectly safe clear down to 2½ pounds. As the firing pin assembly was designed to fire small pistol primers, it is desirable to use a sensitive large pistol primer in .45 caliber.

Because it combines minimum recoil and jump, light trigger pull, good accuracy, long sight radius, extremely fast action, and good grip angle, this gun is very easy to shoot. Almost anyone who can shoot well with a .22 target automatic can shoot well with the Wyatt .45. Everyone who picks it up and shoots it for the first time is amazed at how well they do with it, particularly in timed and rapid fire. It is the opinion among shooters who have fired this weapon that they can do better with it than they can do with either their present .45 or center-fire handguns.

The advantages of being able to shoot one gun for both center-fire and .45 caliber, of course, are many, most pistolmen will agree. Perhaps the reason most tournament shooters use a smaller caliber for center-fire, now, is that they are somewhat handicapped by the shooting qualities of their .45. They feel that they can pick up a few points with a .38 caliber gun in the center-fire matches. If they had a .45 caliber automatic with which they could outshoot their present .38 scores, they would certainly use it.

Some of the advantages of using this .45 target automatic for center-fire matches are immediately evident. For one thing, there is only one gun to buy and carry along instead of two. There is only one load necessary, thereby making the ammunition problem much more simple. It is necessary to practice with only one gun other than the .22. This .45 target gun, as well as being as accurate and easier to shoot than the existing .38's, makes larger holes in the target, which inevitably will result in higher scores.

To sum it up, in the opinion of many shooters who have seen the Wyatt .45, it is the first large caliber handgun yet to be produced that is completely adaptable to the Standard American Pistol Course.

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GUN RACK

(Continued from page 13)

and power sources, such as auto lighter socket plug-in, are described with accompanying pamphlet. But the concept of "portable" is strictly dependent on who says it, for the whole outfit, complete with carbine or rifle, is about 20 pounds, and may be tied to the house by an extension. Sighting through the handsome scope, that resembles a shortened Balvar 24, is an eerie experience. A small inverted V luminously appears in a light area

tenth of government cost, \$150 FOB Barrington. There are accessories, such as transformer, power packs, etc.

Springfield Rifle .22 Conversions

There are many Springfield 1903 and variations around, and many shooters would welcome a sub-caliber attachment to permit shooting .22 LR indoors and off-season in the .30 caliber guns. George Numrich decided



Snooper-scope has converter tube inside that changes invisible infra-red projected by stock flood light into image of target with phantom "V" sight in scope field.

on the target. Visual definition is surprisingly sharp, but seems definitely limited to fifty feet at the most—perhaps due to use of house current. However, the purpose of this device originally was to help our guys stop being killed in Korea, and as such it definitely would give an edge at night over the "other team" without such aids. At night, in complete blackness, it is possible to detect a faint glow from the edge of the infra-red projector, if one is close and slightly to the side. Otherwise, the "target" has no clue he is being sighted at. Which leads us not unnaturally to the second case, legislation pending and its outcome. When these Sniper-scopes were first released, Governor Knight of California got all upset and introduced a bill to make it illegal to hunt deer with them, etc. Somehow, people who know less about guns than the average GUNS reader figure that all we are up to is mayhem and manslaughter. In the case of the great sniper scope scare, the popular press fails to reveal an incidence of its use unlawfully, always bearing in mind that it is unlawful to take deer after dark and, further, that if a hunter can stalk within fifty feet of a deer, my hat's off to him and he can have what he can catch! The California legislation may have passed but, if so, it apparently worked no hardship on gun fans in that part of the country, and the Edmund Scientific Co.'s sniper scopes remain available for the advanced gun-curious student. Price is about a

to do something about it, and produced a kit consisting of bore liner made for him by Marlin Firearms, altered pressed-metal M1903A3 magazine assembly containing a clip similar to that fitted to the Ithaca X-5, and using M1922 and M2 .22 bolts slightly altered which had adjustable headspace, short firing pin fall and would interchange in the standard .30 caliber Springfield receiver with the centerfire bolts. Unfortunately, Numrich reckoned without considering lack of interchangeability among Springfields and their components, and consequently the kit that would have been a "bargain" at \$34.95 is now being sold off elsewhere, by Bruce Woodin, RFD Box 541, Woodstock, N. Y., for about \$20. At that price, it is a good buy, for the idea has all along been a good one and it was not Numrich's fault that the U.S. government's acceptance of varying standards for certain key dimensions in the M1903 rifle, "skunked" him. Briefly, the problem was this: in some rifles, the barrel liner, which at the breech was shaped like a .30 cartridge and filled the chamber, would be too loose and slide forward on chambering the .22 rimfire shell. In a maximum chamber, such as might often be encountered in a used or surplus rifle, the forward movement so cushioned the firing pin blow that misfires were common. I tried two of Numrich's units in two different rifles, and switched components to see if selection would improve the project, and was unable to get any satisfactory functioning. Hence,

at the \$34 price, we felt it inadvisable to give the conversion units a write up. At the lower price, it now pays the buyer to do some hand work to make the device work okay. Two things can be done by the buyer to improve the functioning and reliability. First is to replace the stud, that locks the barrel sleeve into the .30-cal. bore by engaging the bolt locking recess, with a tin-plated eccentric screw. By twisting the screw it will be possible to jam the liner into the gun solidly, instead of permitting the nearly 1/10" fore-and-aft motion now possible. Then, the bolt should be inserted and the headspace plug tightened up solidly as per instructions, and locked into place. This is a standard trick with the M2 bolt and one familiar to most riflemen who have used these rifles. Next, consider carefully the breech end where the rim protrudes and the extractor slips over. This part of the barrel may have to be carefully filed to allow the extractor to hook over the rim, solidly. In the units I had, failure to pick up a cartridge was the rule, due to too-much polishing on the face of the extractor.

This unit requires some "fiddling" to get it going right but, once done, it is an excellent addition to the Springfield GI or sporter rifle. The last consideration may be to the magazine. If the bolt fails to pick up the round, the clip can be disassembled and a spot of brass dropped below the lock stud and filed to cause it to latch higher into the gun. Changes inside, obvious on examination but difficult to describe, may also be necessary: filing and a little sheet-metal bending will do these ok. These problems were avoided in the old pre-war German Erma .22



Conversion kit for Springfield may need considerable fitting to work.

Mauser rifle conversion kit by an adjustable locking collar on the chamber end of the barrel sleeve, and by using an expensively manufactured .22 clip. Of course, if you buy one of these kits, it may match up with your gun with no other trouble or fitting. But the above suggestions are the findings of experience with two of them, in two rifles, one old, and one new.

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THOSE CHAMOIS MYTHS

(Continued from page 19)

weather conditions.

My hunting for chamois spans 10 years. During this period I've been privileged to become acquainted with practically every excellent chamois producing area in Germany. This includes the mountainous terrain at Berchtesgaden and Oberstdorf, the area around Fussen, and that wondrous country around Bad Tolz, my present station. And, after intimately tasting the inspiring scenic wealth found in these areas I still have all my limbs, bear no scars, and have never taken a shot over 200 yards, with the majority of them being less than 100. Furthermore, thanks to the lack of fog, all of my chamois have been collected on the first day of the hunt. So gentlemen, let's store all this hallyhoo that we've been subjected to in the past, and get down to the untainted truth relative to chamois hunting.

Chamois possess certain peculiarities which not only make them easy prey for the hunter, but also make them unique among the "hochwild." Belonging to the family Bovidae, just like domestic goats, they manifest the same acute curiosity often associated with the latter.

A number of years ago, while acting in the capacity of friend and interpreter for another American hunter, we spotted an excellent chamois buck at roughly 600 yards. The buck had just topped a snow covered ridge and was moving parallel to our position. Suddenly, he became aware of our dark silhouettes, in sharp contrast to our white background, seated on the distant slope. The buck seemingly lost all interest in searching for a mate and stopped to stare. Standing atop that wind-swept ridge like a black statue, with the breeze ruffling his "bart," he continued to stare at us for over five minutes. No doubt he would have remained there longer, but the guide, anxious to get the hunt over, started waving a white handkerchief in the air. Now, even more fascinated, the buck ran in our direction. My partner, M/Sgt. Dobil, somewhat excited and confused by the buck's strange antics, still composed himself long enough to take the buck at a short ten measured steps.

I'll never forget the ease with which I collected my second chamois. It was almost too easy and I was reluctant to take advantage of his astonishing behavior. I was hunting in Hohenschwangau, when we came upon a buck not over 70 yards away, resting on a small out-cropping of rock overlooking the valley floor. Somewhat startled at first by our unannounced appearance, he jumped to his feet and stood awaiting our next move. After watching us intently for several minutes the buck resumed his place on his rocky bed but still kept his eyes glued on us. Wishing to test the extent of this buck's curiosity, the guide pulled the handkerchief trick again. Still no frightened reaction on the part of the buck. Then the guide, even more interested, picked up a couple of dry branches and started snapping them in half. Again no anticipated response from our curious partner. Thinking the buck sick, Herr Schmidt directed me to shoot him, trying for a neck shot, since he wished to examine the internal organs for signs of disease. I shot, the buck collapsed and, later, examination proved that the buck was only inflicted with



a chamois' usual curiosity.

Another incident, attesting to the chamois' peculiar behavior, occurred while I was hunting in Valepp, below Spitzingsee. Stalking along a game trail, some distance below the towering Rotwand, we walked out on four chamois grazing 50 yards away on a vast alpine meadow. All were relatively old bucks, judging by their horns and body conformation. Startled by our approach at such close range, the largest buck of the group let out

a shrill whistle of alarm and the small band scattered over a nearby ridge. Five minutes later, while my guide, Herr Oberlehner and I were eating, the same bucks reappeared at the crest of the ridge like a bunch of kids peering over a backyard fence. Noting their curiosity, the guide and I slowly assumed a prone position, anxious to see what the chamois would do. Minutes ticked by without anything interesting happening. Then suddenly, just as we were going to give up playing possum, the bucks walked down in single file to within 15 yards of our prostrate forms, cocking their curious heads from one side to the other.

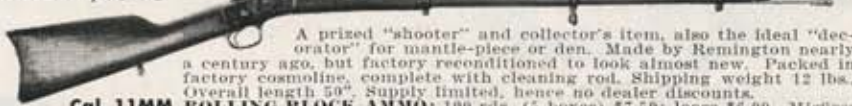
Although the chamois is more inclined to become alarmed by the scent of a human, as opposed to sight alone, the overall reactions are also variable. Sometimes human scent has little or no effect upon a chamois' behavior. At other times I've witnessed them become quite apprehensive, if not completely spooked. Much depends upon the distance of the hunter in relationship to the chamois. In the majority of cases they'll allow a hunter to get within 200 yards of them and, sometimes, even less.

The few times that I have seen chamois really spook is when a human passes too close or, instead of stopping when sighted, continues walking directly towards them. When this happens, a chamois will tear up turf and rock. And getting a shot is almost next to impossible due to the zig-zagging pattern of their flight. Under such circumstances it does not seem to make much difference whether you have been scented or only sighted.

But for all their curiosity, don't try to overplay your hand. When a chamois spots

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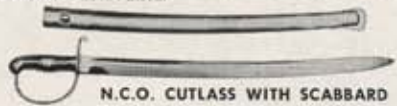
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you at relatively short range and doesn't spook, become motionless and let him get accustomed to your innocent-appearing presence. Don't advance toward him as long as he is watching you, or make any quick, suspicious movements which may telegraph your intentions. And the chamois, in most cases, will stand long enough to have his image framed in your sights.

It is often heard that the most difficult part of chamois hunting is the back-breaking climb up to his perilous domain. And this is because the chamois' habitat is generally associated with only the highest elevations of

As for the perils of the terrain, you can erase this from your mind. No doubt there have been a few people exposed to somewhat treacherous terrain, but in the majority of cases you're as safe as in a "hochsitz." Given a good "bergstock," you'll be safely capable of negotiating any of the trails and slopes present. And no guide, who is responsible for his hunting guest's health, is going to risk his job by exposing you to unnecessary dangers.

What makes chamois hunting so safe, as compared to hirsch or deer hunting, is the fact chamois is not a nocturnal animal. You



Old Hammerli & Hausch chamois rifle has military-like wood full forestock.

his range. But this is only partially true. Even though they are found inhabiting the stratosphere, they are also commonly found ranging the lowest reaches of their habitat. I've observed them within 200 yards of the base of a mountain, as well as at over 1600 meters altitude. And upon several occasions, although rare, I have seen them placidly crossing an open meadow not over a stone's throw from a farm dwelling, in the valley.

Most of my kills have been made within a short hour's climb or stroll from the hunting cabin, or where I parked my car. Naturally, there have been times when I have had to climb for two or three hours, with breaks in between, but this has been the exception rather than the rule. And if you're wondering about the pace you'll be required to maintain while climbing, don't let it worry you. The guide you'll be hunting with will adjust his pace to your ability.

won't have to negotiate trails in the pitch-black darkness of those pre-dawn and evening hours, before or after the hunt, as you normally would when hunting stags. Instead, you'll be hunting during broad daylight because this is when chamois choose to move about in search of food, sunlight and during the "brunst," for their mates.

Chamois preferring to live in herds the year around, with the exception of a few hermits, present many targets for appraisal, once located. I have seen herds numbering in the tens and twenties, many times. And if you can't find what you are after in such a population, then you're a rare exception. As I previously stated, every one of my chamois were taken on the first day of the hunt, usually in the very first hour.

The very best time of the day to hunt chamois is generally during the morning hours and the latter part of the afternoon.

Normally, during the heat of mid-day, they will bed down for a few hours rest. Exceptions to this are during the "brunst," when the males are out carousing for mates and, also, on rainy days, when the chamois prefer to forego their siesta or at least postpone it.

The ranges at which you will shoot your chamois are variable, but by no means excessive. And as you have found out, it is not due to the wariness of your target. It is governed, primarily, by the type of terrain you may be hunting. In most chamois areas the terrain is no problem, allowing the hunter to shoot at ranges of 150 yards and less. However, there are certain regions where the terrain offers such natural obstacles that the hunter is unable to approach any closer for reasons of personal safety or due to lack of sufficient cover. Under such conditions, you may be compelled to take shots at greater distances. But even under these circumstances, your average range won't be much over 200 yards. The hunter who has taken shots at 300 and 400 yards is certainly the rare exception. For the number of chamois available, I would not advise attempting such long shots. The chamois can be an awful small speck at such ranges. And the chances that you may only wound him is hardly worth the suffering the animal will have to endure, not to overlook the work and perils normally involved in tracking down a wounded chamois. I possess a .30-06 rifle, use a 150 grain bullet zeroed in at 200 yards, and this combination of caliber, bullet weight and zero has proved more than adequate.

Now that I have gone out on a limb and blasted the chamois fantasy I hope I haven't disillusioned anyone from accepting his first chamois hunt. This mountain goat is still a grand and unique trophy.

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"WHAT WAS THAT YOU CALLED ME?"

(Continued from page 21)

limber limb. It hung there precariously for a moment, swinging with the breeze. I aimed for its neck. The bushytail hunched, clutched at the branch briefly, then plummeted down through the branches and thudded on the ground.

As I went after the downed squirrels, I checked my wrist watch. I'd been gone from the auto only slightly more than thirty minutes. It was an auspicious beginning. Picking up the pair of bushytails, I headed deeper into the heart of the woods.

To me, calling is the most exciting and fascinating method of hunting the ubiquitous little squirrel. Yet it is one of the most neglected methods. I often wonder why. It really pays off, and there is no particular skill involved.

The model call which I use is manufactured by the Burnham Brothers of Marble Falls, Texas. It is nothing more than a thin rubber bulb with a perforated diaphragm covering the open end. When the bulb is tapped with the finger, it forces air through the diaphragm to imitate the squeaking or barking of a squirrel. The only real know-how involved is to tap on the call with just the right pressure to imitate a squirrel's tone. Anyone who has heard a squirrel bark can imitate the slow, rhythmic barking a squirrel makes when going about its daily chores, or the urgent, incessant chattering of an irritated bushytail. It is merely a matter of experimenting to find which works best in any particular area.

Why a squirrel answers a call is baffling to me. Curiosity, perhaps. With the meat-hungry predators the caller deceives the quarry with the promise of an easy meal. But with the squirrel the caller is working with an entirely different variable. Possibly it is the squirrel's inherent curiosity and temper which prods it to start barking when it hears another squirrel fussing. I've watched an irritated bushytail run out on a limb and fuss incessantly when our pet dog wandered under its perch. Its chattering would set off a chorus of barkings in surrounding trees. This might explain why a squirrel answers the caller's imitating bark, yet it leaves some doubt as to why one is actually lured to the call. Maybe there is some sort of secret conversation wrapped up in these barkings.

I've given the squirrel call a thorough workout in my central Texas bailiwick where there is no closed season on squirrels, and it seems to work equally well throughout all seasons. There is no improvement during the spring mating period, so that rules out the sex angle. The only sure thing I do know about squirrel calling is that it works like magic, on gray or cat squirrels and on fox squirrels.

As I moved deeper in the woods I picked my way lightly to avoid any unnatural noise. Presently I came to the bank of the creek, walled on either side with big green trees. I sat down at the base of a skyscraper pecan, leaned back comfortably against the trunk and watched about me for several minutes.

When the hunter initially enters the hunting grounds, it is best to wait patiently for fifteen to thirty minutes before attempting to call. This gives the bushytails time to forget his entrance and start carousing again. Often by simply waiting and watch-

ing the hunter can nail one. Calling merely hurries up the process.

This time when I tapped the call, a bushytail in the very tree I was propped against answered from somewhere high in the leafy crown. I put the rifle to my shoulder and scrutinized the branches with the scope. Nothing. So I worked the call again. This time the squirrel jumped out on a limb, a setup for the .22. I caught it cleanly behind the eye.

Personally, I favor the .22 rifle loaded with long-rifle cartridges over the shotgun in squirrel hunting. Of course, in conventional

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GUNS QUARTERLY
is on page 47**

squirrel hunting the shotgun is generally favored because it is best on fast-moving targets. But calling sets the bushytail up for a shot. It lures it out into the open. The squirrel makes the mistakes rather than the hunter. A scope sight not only helps in pinpointing the shot, it also aids in locating a phantom squirrel playing hide-and-seek in a dense tree crown.

Even when the call fails to attract a squirrel, it usually prompts it to betray its location. In squirrel hunting, finding one of the crafty and diminutive critters is the most difficult assignment.

On this morning I finally called it quits after bagging eight squirrels, two less than my Texas limit. It was a good morning's work, thanks to the call. I doubt if I would have got half that many without it. At times I've actually killed as many as five from a single tree by calling them out into the open. This is particularly true in the fall when nuts on one tree ripen quicker than those in surrounding trees, causing the busy-

tails to be concentrated.

More cartridges are burned each year on squirrels than any other small game except the cottontail rabbit. Squirrels are found universally, being very adaptable. Yet I imagine that less than one per cent are killed by hunters using game calls. Some people have the misconception that calling is difficult to master. With squirrels, just the opposite is true. The curious bushytail is one of the easiest of all wild animals to fool in this way.

There is one facet of squirrel calling which never has been exploited, one which I feel is very important. If you ever have hunted squirrels, undoubtedly you have run into a situation where a bushytail got behind a limb and moved simultaneously with you, keeping shielded behind the branch. The two time-honored methods of getting the squirrel to show itself are these: either toss some debris to the opposite side of the tree, causing the squirrel to retreat from the noise, or catch its attention with a piece of cloth or coat hanging on a bush and catfoot around and slip up on its blind side. There is still another gimmick which is easier and quicker, and often surer. When I meet such a dilemma, I simply give a few taps on the game call. The squirrel almost invariably jumps into view, curious as to what is causing the noise.

Camouflage clothing is definitely an asset in squirrel calling. It makes the hunter part of the environment, hard to detect. I also often wear a camouflage-colored head net which doesn't hamper my shooting, yet kills any reflection off my eyeglasses.

As I see it, the caller's greatest advantage is that he can hunt more area than he could by simply waiting patiently and quietly on a stand until one of the critters shows itself. It also is fascinating, dramatic and challenging. Hunting squirrels anyway you go about it is top-drawer sport. Calling makes it doubly fun.

STOCKS and GRIPS

(See also pages 3, 50, 58, 59)

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SHOPPING



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DELUXE MODEL OOGIAK BOAT available from Conrad Company, Box 989, Dept. S-10, Minneapolis, Minn. Modeled after Eskimo Kayak, Oogiak weighs 90 lbs., is 13' long, 40" wide, with a 16" depth. Impervious to heat or cold due to fiberglass construction. Styrofoam float chambers make it unsinkable. It can easily carry two large men with packs. An ideal boat, olive drab in color, for duck hunting, trapping, river and lake fishing. A \$199 price includes all delivery costs to anywhere in continental U. S.



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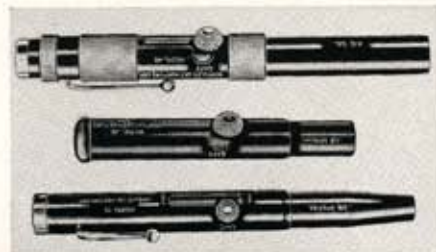
GUNSLINGER HOLSTER has been developed by Edward H. Bohlin, 931 No. Highland Ave., Hollywood, Calif., for draw speed and safety. This holster features a natural curve, allowing the cylinder to turn freely before or during the draw. The holster is designed to place the gun handle entirely clear of the belt for quick draw and to eliminate accidental discharge while drawing.

WITH Guns

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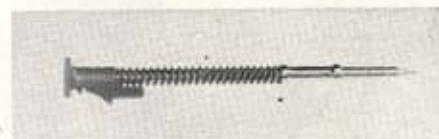
"HUNTER'S PACK" of Kleenex tissues in flare red color being introduced nationally by Kimberly-Clark Corporation of Neenah, Wis. Designed to reduce the number of hunting casualties, "Flare red" tissues are easily seen at rifle and shotgun distances. Packet contains 24 folded tissues in a dispenser-type waxed paper wrapper. Fits into any pocket of hunting coat, jacket or shirt, mackinaw or pants.



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POLICE GUNS BLAZE IN COLLEGE MATCH

(Continued from page 31)

fifth with 248 outscored by Forman on X's.

Everyone was encouraged to use the weapon which he carried on duty, but other revolvers of .38 caliber or larger, with adjustable sights, up to six-inch barrels, and any standard ball or wadcutters ammunition, were permitted.

Definition of a police service revolver by rules is very difficult. Some departments or agencies stick to four-inch barrels with fixed sights. Others regularly use six-inch barrels and adjustable sights. To restrict barrels to below six inches and prohibit adjustable sights would impose an artificial and pointless obstacle to the outfitting of policemen with superior sidearms. However, adding faster and more realistic drawing and firing stages to the course would encourage the use of more of the faster handling four and five inch barrels.

A variety of weapons as well as firing techniques were in evidence. Without attempting to accurately canvass the firing line, I noted barrels from 3½ to 6 inches. Many revolvers had adjustable sights. Many were .357 Magnums, though I heard no sounds of factory Magnum ammunition being fired. The .38 Special midrange wadcutters was the favorite load, and many handloads were used.

To emphasize the combat aspect of the tournament, no "alibis" were allowed. Just as misfires and malfunctions might be fatal in combat, they were disastrous to scores in this match. It would have been still more realistic to require the use of full-charge factory ammunition. The .38 Special service load is puny enough against a determined, armed opponent. Midrange wadcutters are accurate and mild, but their use in combat is downright foolish.

An assistant chief range officer supervised each two competitors on the firing line. A chief range officer supervised each six assistant chief range officers, and the entire firing line of 24 firing points was under the command of another chief range officer. Army and Air Force personnel of the Military Department at Indiana University scored all targets in a scoring tent at the end of each full course of fire. Competitors could watch their targets and those of other competitors as they were scored, and appeal and protest procedures were provided. The scoring detail did a fine job, but it would have been easier and more reliable to score after five or ten shots.

The statistical office was operated ably and with apparent ease by Mr. Alexander R. Reiss, Mr. Hillard J. Trubitt, Mrs. Mary Parr, and Mrs. Mary Jackson. All except Mr. Reiss are employed by the Indiana University Center for Police Training.

The awards consisted of classic trophies, tie bars and cuff links, belts and holsters made by Ken H. Cox, and—guns. Nine Colt Trooper revolvers and five Colt Cobras were awarded to the winning team, the high five individuals, the Class B team winner, and the high Class B individual.

Artificial classification and handicap systems fail to stimulate high levels of performance, and are not realistic. In gunfights, there are only the quick and the dead. On the other hand, large or highly trained departments field good pistol teams more easily than do small or less finely trained ones.

Therefore, divisions may be wise in order to maintain interest. If so, they should follow natural, clearly definable, and easily maintained dividing lines.

The award system in this tournament was a very simple, fair and effective one. Besides the top prizes, an award was offered to the high competitor from each state and Puerto Rico. Thus, fifty men could be reached that conceivably might not otherwise receive awards. In the future an award to the high man from each foreign country would add to the international flavor of the event. For classification, all competitors were ranked according to scores fired. The top, second, third, and fourth twenty-five per cent constituted Classes A, B, C and D. In each class there were at least three awards and no delay, record keeping or jockeying for position.



High scorer Loukides took home big trophies plus Colt Three-Fifty-Seven.

Two of Colt's top repair men, who have been familiar figures for years at other nationally important pistol matches, were on hand to make emergency repairs for anyone needing them.

The second night of the tournament, a panel of several nationally recognized authorities in the field of police training discussed a variety of subjects. Formal discussions ranged from futuristic weapons, night training, new courses of fire, and problems of mass training to the legal complications of using the police revolver. Open discussion led to views on effective revolver calibers and other items.

Indiana University's interest in police training began in 1936 with a program of instruction in the general academic field of law enforcement. By 1949, its importance and stature gained departmental status for it, and a four-year course leading to a degree in police administration was offered. Courses are now available leading to the degree of Bachelor of Science in police administration or traffic safety administration. There is also a six-year program with the school of law that leads to a combined Bachelor of Arts (Police Administration) and Bachelor of Laws degrees.

The Center for Police Training is connected with the Department of Police Administration for shorter courses in various fields of police training for both new and

experienced officers. It fills a need for high quality police training facilities for agencies in Indiana and nearby states which, because of their size, budget, or other reasons, cannot provide the same facilities for themselves.

The combined Department of Police Administration and Center for Police Training is headed by retired Captain Robert F. Borkenstein, Indiana State Police, Associate Professor Richard A. Myren, Harvard Law School graduate, has taught academic courses in law and police science and lectures in the in-service training program of the Center for Police Training. He has concentrated in the field of administration of the criminal law with emphasis upon criminal investigation and the problems of proof in criminal cases. A. Robert Matt, another former Indiana State Police officer, is the assistant director for the Center for Police Training and appeared to be the sparkplug of this combat type pistol tournament for police officers.

Colt's name has, of course, been a household word in police families for over a century. Somewhere in the background of this match they and Indiana University came together in mutual support. I did not ask how the expenses were divided, but they were not passed on to the participating police officers. There was not even a registration or entry fee. This was a case of two interested organizations teaming up to stimulate police firearms training.

Bloomington, with a population of about 30,000, of whom about half are college people, accommodated the shooting crowd easily and comfortably. There were hotel and tourist court facilities in town and dormitory rooms on the campus. Both the dormitory rooms and buildings were as nice as the average businessman's hotel except for the absence of private baths. That, however, was no problem. Meals in the university cafeterias and dining halls were reasonably priced and good.

Some of the younger policemen were quite at home on a university campus. The more grizzled ones may have felt out of place, but they had their laughs too. Early one morning one of the several police chiefs at the tournament and three others about his age were in the community bath. A very sleepy eyed, sophomore appearing young man wandered in, completed the task for which he had come, and wandered out, still half awake, muttering hoarsely that the blankety blank students were getting older every year.

The object of a police combat course is to afford practice and competition in a type of pistol shooting that duplicates combat as closely as safety and practicability permit. It must develop and test accuracy, speed, both long and short range firing, single and double action skill, ability to draw and fire quickly without aiming, and ability to utilize steadiest body positions and available cover or rests.

Accuracy is essential. A fired shot which misses wastes the officer's time and ammunition. While it is being fired, the criminal may fire a fatal shot. Its waste becomes critical when the gun is empty and one more round might mean the difference between life and death. Also, the shot which misses is a hazard to innocent bystanders.

Speed is important. A man shooting to save his life after an opponent begins a hostile move may have only a fraction of a second in which to hit that opponent hard enough to stop the hostile action. Shooting him after



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TWIN FALLS, IDAHO

you have been hit may prevent his escape, but you still may die from his bullets. Pat Garrett is reported to have said, "Speed is important, but accuracy is fatal."

The police officer going into a dangerous situation is wise to be as well prepared as possible even to the extent of drawing his revolver and approaching a criminal with it ready. There is no faster draw than the gun already in the hand. However, there will be occasions when, for various reasons, the revolver has not been drawn. Then the officer must draw and fire accurately as quickly as possible. To develop this ability the training or competition course should have some stages in which the officer must draw and fire within a short time limit.

Whether shooting from the hip should be required, is debatable. Pointing from shoulder level without the use of sights is more accurate and requires only a fraction of a second more time. Also, the firing position, "from the hip," is difficult to define for competition. Instead of arbitrarily imposing a position which may or may not be wise and which is difficult to enforce, a shorter time limit for drawing and firing is suggested.

Let the competitor choose the most effective position.

Two opponents firing accurately will finish a close range gunfight within six rounds each. In some other cases reloading may be necessary, but, at a few yards distance, an opponent may either close in hand-to-hand combat or go for help in the ten or fifteen seconds needed to reload a revolver. Omission of reloading under time in competitions would add to the safety of a tournament with no loss of practical value.

Double action affords greater speed and single action greater accuracy. When two seconds or more may be taken for each firing cycle, single action may very easily be used and is more accurate. At average speeds of one to two seconds per firing cycle there is doubt. At faster than one second per firing cycle, double action has a very definite advantage. A stage at medium range with a time limit of five seconds for five shots would encourage double action. However, the decision as to which should be used in any particular situation should be governed by the speed and accuracy requirements and should be made by the competitor. This is

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(See also Cover 4)

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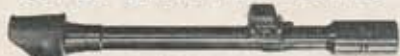
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HOLSTERS, CASES, CABINETS

(See also pages 8, 10, 44, 61, 62)

See Lawrence Leather Shooting Accessories at Dealers

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another case of allowing the man to pick the firing technique most effective for him.

It is elementary that in combat a man should use any available cover and any rest which will make his holding steadier and increase accuracy. But, continued dependence upon an artificial support may lead to a false sense of security. In the gunfight there will be no time for a friendly carpenter to construct a nice, neat barricade. More likely the criminal will have the cover, and the officer will have to stand up in the open and shoot. Since no prolonged intensive training is necessary to teach people to utilize barricades and rests, that stage could very well be left to the training phase and eliminated from competition.

The kneeling, sitting and prone positions are conducive to steadier holding and more accurate firing. Their disadvantages are that it takes time to assume them, and the view may be obstructed, particularly in the prone position. There should be some firing in these positions in a combat course, but they should not be emphasized over the standing position which can be utilized with a minimum loss of time and which is good training for any other position as well.

At Bloomington, I selected sixteen competitors at random and clocked them in the prone position at 60 yards without their knowledge. They required an average time of 9.3 seconds from the whistle to assume firing position, draw the revolver, and fire the first shot. A lot can happen in that time. An officer choosing such a position swaps time for added accuracy and takes a calculated risk of being hit while getting into it.

The bull's-eye target measures accuracy better than any other because it imposes a uniform penalty for the distance by which the desired point of impact is missed. The silhouette targets are more likely to hold the attention of a shooter and to facilitate higher scores for him. The international rapid fire silhouette has both the silhouette aspect and concentric scoring rings much like a bull's-eye. It is known the world over and used in the World Shooting Championships, the Olympic Games, the Pan American Games, and the police school at the National Matches. It is my first choice as a target for a police combat pistol course.

Energetic, imaginative Bob Matt was seeking suggestions to improve this tournament even before the first firing began. My com-

ments on the course of fire have already been given him at his request in a friendly effort to help. The complete course with which I would replace the one used this year is as follows:

Stage	Time	Range	Firing Procedure
1	3 sec.	7 yds.	Draw and fire five shots.
2	5 sec.	7 yds.	Draw and fire three shots on one target and two on another beside it.
3	5 sec.	7 yds.	Draw and fire three shots with strong hand and two with weak hand.
4	5 sec.	15 yds.	Standing with gun in right hand fire five shots.
5			Repeat Stage 4 with left hand.
6	3 sec.	25 yds.	Standing with gun pointing downward at 45 degree angle raise weapon and fire one shot. Repeat for second through fifth shot with seven-second rest after each shot.
7	10 sec.	25 yds.	Draw, assume kneeling position and fire five shots.
8	10 sec.	25 yds.	Same as 7 except assume sitting position.
9	30 sec.	50 yds.	Draw, assume sitting position, and fire five shots.
10	30 sec.	50 yds.	Repeat 9 except assume prone position.

For competition in important championships, the course should be fired at least three times for a total of 150 shots in order to be more conclusive.

There were sound reasons for the interest and enthusiasm of so many serious, sober, safe police officers in the Colt's-Indiana University Match. Policemen are not unsociable, but there was an added attraction to being together with other policemen from many other parts of the country. No expensive special weapons or equipment were necessary to successfully compete in the match. The course of fire encompassed types of shooting that might be useful in self defense. Training for the match was also training to protect the lives of citizens and policemen alike.

Will this match grow and become established as one of America's classics? I do not know, but it could. I do not believe I ever heard so many men leave a match saying, "Just wait until next year."

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REBLUE THAT GUN YOURSELF

(Continued from page 25)

the action's screw heads.

2. Remove scratches and tool marks by draw filing and rubbing with abrasive paper. You may alter a military rifle barrel and trigger guard to a more pleasing shape if you plan to re-stock the gun later, but do not change other contours. Polishing is an art in itself—work carefully; keep sharp corners really sharp, and rounded surfaces free from scratches.

3. Buff and polish. Power equipment is quick and easy to use if available—otherwise the job can be done with successively finer grades of abrasive cloth and polished with crocus cloth. Keep in mind that the quality of the finished job depends upon the degree of polish. The parts should look as bright as chrome plate. Use a magnifying glass to check for scratch-free surfaces.

4. Degrease. First, wipe off as much of the residue from polishing as you can with carbon tetrachloride. Grease the inside of the barrels well, and plug them tightly with wood dowel, leaving some length at each end for handles. Wrap a length of wire about the plugs at the ends and leave a sufficient length with which to lift the barrels from the tank. Small parts can be easily handled in a tea strainer. Fill the tank with water, add two tablespoons of lye for each gallon of water, and bring to a boil. Immerse all parts to be blued, and also the wire wheel or steel wool, and boil them for half an hour. You should also clean the swab and rubber gloves by immersing them for five minutes. Parts should be handled only with the rubber gloves from now until the bluing is completed, to keep the oil in your skin from fouling them. Remove the parts, rinse with boiling water, rinse the tank thoroughly, and refill it with clean water.

5. Blue. Place a small bottle of bluing solution, with the swab in it, in one corner

of the tank and bring the water to a boil. Immerse all parts and allow them to heat for half an hour. Remove them one at a time and coat with the bluing solution. The parts should dry immediately and a grey scale form on their surfaces. Remove the scale with steel wool or the wire wheel, and replace the part in water. Do each part in turn, and repeat the cycle. If you are doing only one part, such as the shotgun barrels illustrated, allow them to reheat in the water for ten minutes before coating again. Six to fifteen coats of solution will be required for a deep, rich color.

6. When the proper color is achieved, boil the parts for an additional half hour. Remove the barrel plugs and swab the inside of the barrels with grease as soon as they leave the water. Then wipe all parts thoroughly with gun oil while they are still hot. Clean up the kitchen, and the reblue job is complete.

It might have occurred to you by now that it would be wise to chose a day just before the kitchen is due for a good cleaning for your work! Difficulties can be prevented if you send the family out to dinner and a movie while you are busy, and offer to completely clean the kitchen when you have finished. This might convince female members of your family that you are doing something useful.

Later, you can complete a fine job by giving the stock two coats of finish such as Birchwood or Linseed, and then recut the checkering. If you have blued a double or pump shotgun, you might consider crafting a beavertail or extension fore-end. The work completed, you will have given your gun the finest finish available at a considerable saving over the shop price, and added the little extras which give you a gun you can really be proud to carry when the next shooting season rolls around.

HANDLOADING BENCH

(Continued from page 15)

that helps prevent flinching.

For a larger case capacity for Hi-V with a 1:10 twist you can economically chamber a .243 Winchester to the Harvey .243 Maglaska. It will shoot .244 Remington cartridges if desired, and holds their accuracy. Reloading is with your regular .243 Winchester dies. You can also trim .257 cases .025" before sizing. This hot-shot takes up to 50 grains 4350 with 75 grain bullets, or 49 grains with 100 grain pills. You'll have a wildcat with increased velocity that shoots factory ammo, and is easily loaded with standard dies. Performance is real sweet with 100 grain bullets that have a sectional density of .238, compared to only .181 for a 75 grain, or .217 for 90 grain numbers. It also handles the long, 105 grain round nose or pointed pills.

The .240 PSP is another good wildcat that will shoot .244 ammo, using .240 PSP dies with a different shoulder. It also handles heavy bullets in a 1:10 twist. Fred Huntington's Rock Chucker, that did so much to spark both factory 6 mms, uses .257 cases run in a .243 R.C. die. Of course cases can also be made from 30-06, .270 or 7 mm hulls. When Fred was working with Capt. G. L. Watkins of .220 Swift and .22 Hornet fame,

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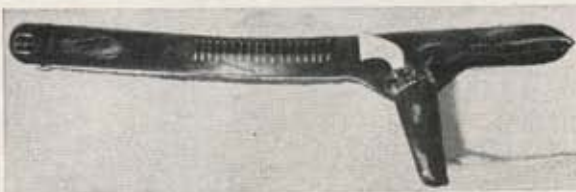
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they named his firm R.C.B.S. to stand for "Rock Chuck Bullet Swage." Fred pioneered bullet swaging dies that set new records for accuracy and sacked up many rock chucks and other varmints. His swaging dies were discontinued several years ago, with the line of loading dies and equipment greatly expanded. The R.C.B.S. Model A press is the most popular loading tool used for bullet swaging. It does a most excellent job.

So much has been written on the "danger" of hot loads that many handloaders are over-cautious, and load charges too light to be in the best burning range of a particular powder for high efficiency. Modern rifles depend on high pressure for superb performance, and they are safe with "hot" loads. The best charge for your gun and components depends on the powder type, the case capacity, and the bullet weight and design. Rather than use a greatly reduced load of modern slow burning powder, you'll find it better to use a faster burning powder for reduced ballistics.

On the other extreme, it is foolish and impractical to try to squeeze a few extra feet per second out of a given size case by add-

ing a couple of grains more powder to a near-top load in your gun. You'll get little if any velocity increase, accuracy may be erratic, and your cases and rifle will be strained. Best deal is to chamber the rifle for a larger wildcat or standard case, or use a more powerful cartridge. As a Hi-V fan, plenty of velocity for the job thrills me all over, but I don't "strain the barrel" or use erratic squib loads. Handloading isn't dangerous, even for a beginner. Just follow directions and don't try for an extra 50 fps. All loads are best if worked up in your particular gun.

To wildcat or not to wildcat is a controversial question. Modern cartridges have high efficiency in the right calibers, and serve the average shooter well. A battery of three or four calibers may take care of his requirements. We hull fillers are not "average," and some wildcats have a definite advantage. We'll be happier if we try a few, along with many standards. Happiness is something intangible that many people pursue, and we handloaders have found. It isn't so bad to work for a living, when loading and shooting makes the living worthwhile! 

better." It seems to work. At any rate, Moschkau shot 20 ten's in less than five minutes in the final match at Perry, and "put 'em in there clean as a whistle. They didn't even touch the line."

He was National Smallbore Champ, and holder of a new world record. The crowd went wild.

His first and most impressive sensation when it was over was a sudden and complete relaxation. "Boy, that old stomach fell a mile," he grins.

What are some of the techniques which have made John Moschkau a record-making National champion? Johnny offers them gladly. Here they are:

1. *Never shoot a doubt.* If you're not completely certain where that bullet is going, don't pull the trigger. You don't win on guesses.

2. *Never shoot a long hold.* Generally, the longer you wait, the greater the chance for miss. "The first sight picture is always the best picture," says John Moschkau.

Specifically, Moschkau adds that a shooter should never hold over seven seconds, especially with iron sights. The longer the wait, the less chance for that first and best sight picture.

Johnny can talk expertly and at length on such things as trajectory, ballistics, weapon design—size, shape, and weight—but he says that technical knowledge is not essential for the beginner. He says, "The average shooter doesn't know what it takes to win tournaments; if he did, he'd quit before he starts. He'll learn with experience and have a lot of fun while he's learning. A lot more important than technical knowledge are personal discipline—practice, patience, and the right mental attitude."

When it comes to practice, Moschkau takes a back seat to no one. He has built his own firing range in his basement. He dug a tunnel into one wall and lies upon a cushioned rest in the other end of the basement. The tunnel is illuminated by powerful spotlights, contains a target backstop and a manual target-changing system. Johnny keeps his shooting eye sharp with practice on this 50-foot basement range.

He wouldn't be without such facilities in his home. Practice is absolutely essential to accuracy on a high competitive level—and practice must include match competition. You can be a fine "backyard" marksman and fail dismally when the chips are down in competition. You have to shoot matches to be a match shooter, and Moschkau enters many tournaments each year. Almost every weekend, he takes to the road to participate in a shoot which may take place in any one of a dozen neighboring states. Then there are the regional and the National tournaments in which this practice really begins to pay off. And, finally, Moschkau fires at Perry and takes part in the International matches for the United States. These are postal matches fired by the best riflemen in the country as determined each year at Camp Perry.

The U. S. has won the International matches every year Johnny has fired on the team, and twice Moschkau has shot with a U. S. team which set a world mark. In all the years he has competed with the National team, Johnny has dropped only one point for America.

Different nationalities are represented each year in the international matches, but some of the stand-by countries include the U. S.,

A CHAMPION TELLS HOW TO WIN

(Continued from page 28)

years was 1952. He won six state shooting championships in a row: Minnesota, Wisconsin, Iowa, Illinois, Missouri, and Kentucky. All told, he won 14 out of 17 tournaments he entered that year.

In 1953, he came within an eyelash of winning the National crown. "It was a three-way tie," says John, "and I got beat out on X's—three of them. I think the winner that year was Crowley of New York."

Moschkau's fortunes in 1954 were enough to discourage most men. He was halfway through the National tournament when he was abruptly disqualified. Officials said he had violated National Rifle Association rules

by accepting medals in two regional shoots—a regulation of which Johnny had been entirely unaware. That disqualification shook him badly, and "the road back" was a rougher one than most people realized. Nor was this his only problem. Shortly after the 1954 season, Moschkau underwent major surgery. Despite the seriousness of the operation, Johnny was back on the firing line in 1955 although he was so weak he could hardly support his rifle—now a Winchester Model 52-C, which weighs as much as 11½ pounds.

He realizes now that he shouldn't have been out there at all in 1955, or in 1956 either.

"But," he says, "I came out those years just to show the boys I wasn't layin' down on the job after being disqualified. I couldn't eat for 27 days at one stretch," he says. "I threw up everything I tried. Some of those weeks I can't even recall in my memory. . . . And yet he still won a few tournaments!"

Then, in 1957, Johnny reached the high point of a great career by firing a higher score than anybody had ever done before. His 6392-488x score at Camp Perry is a world record.

How did he feel at Perry when the pressure began to mount?

"I knew a world record could be set," says Johnny, "but I hardly dared to think about it."

The final match of his 1957 Nationals constituted a fitting climax to his championship performance. It was the Dewar 40-shot match—20 shots at 50 yards and 20 shots at 100 yards.

"I didn't dare turn around during that last match," he recalls. "Everybody was standing behind me, watching. I could feel their eyes on me all the time. When I got up to change that last target, everybody wanted to go do it for me. But I did it myself—I needed a little exercise by then!"

Johnny remembers that the wind was coming in at three o'clock and he was holding at 9 to compensate for it. "I like to pick a high wind and stick with it," Moschkau points out. "That way I can get a narrow pattern

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Great Britain, Canada, and the Soviet Union. Moschkau says the Russians are getting better each year, as their guns and ammunition continue to improve.

As far as patience is concerned, Moschkau has waited a long time. He shot his way up the ladder to Master, and then began a long campaign which finally resulted in a National crown.

Perhaps attitude is the all-important thing. Like many other great performers, Moschkau reasons with his inner self during competition. He tries to concentrate on every shot, to avoid making the costly little mistakes which can add up to big failure in the long run, and to fight the typical psychological pressure upon a man who is always up with

the best.

"I always tell myself that a bullet's got one life," says Moschkau, "and that you can't shoot it over again. I've seen a lot of shooters fall apart when they began thinking of winning before they won. That's why I won't shoot a doubt, and why I shoot quickly rather than holding long."

Despite the threat to his sight, John Moschkau remains one of the outstanding shooters today. At all else but 100 yard shooting over iron sights, he is still supreme.

And if he can come up with that right lens combination for 100-yard shooting—who knows? Johnny might once again give them a run for the their money at the Nationals.



SKI SHOOT AT SQUAW VALLEY

(Continued from page 39)

be a sports curiosity to Americans concerned with events in far places. Coming directly close to home, to be held as a part of the Winter Olympics at Squaw Valley, California, is the Biathlon to which shooting skiers of all nations are invited.

Including this para-military event in the Winter Olympics has given rise to worldwide criticism. Some of this is based on the concept of its "limited appeal." The heavy favorites to win this season are the Swedes, who consider this a valuable civilian sport as well as excellent military training. But a check on the course of fire may change many readers' minds about its "limited appeal." Danger, personal skill of the highest order, speed and flashing performance on two slivers of wood make the Biathlon one of the most gripping of all the Winter events.

At Saalfelden, the U.S. team fired Garand rifles. Placing sixth out of seven teams entered, our shooters distinguished themselves by poor marksmanship, which on the schedule of scoring penalized the team 128 minutes. The next year, only 43 minutes' penalty was assessed against a Fort Richardson, Alaska, team which received the award for the "most improved" nation. A factor in this award was their use of Model 70 Winchester bolt action rifles in .30-06 caliber, instead of the semi-automatic but not always easy-working Garands.

I recall talking with Hjalmar Steffansson, Swedish Arctic explorer, about his use of rifles north of the Circle. He applied adhesive tape to all parts of his Mannlicher-Schoenauer where his hands might touch, to avoid frost burn.

"Once, as I waited for a caribou in cold so still one could hear the animals ten miles away, I fired and, as I reloaded, the cartridge jammed. I struck the back of the bolt with my hand (the unprotected cocking piece)—and it burned like fire." His palm was stripped of flesh by the contact of moist skin on zero metal.

Firing a rifle in cold weather has unusual problems. Working the MIs in bitter cold, particularly when fine shooting with delicate trigger control is needed, gave our Fort Carson, Colorado, first Biathlon team a severe lesson: the lesson of defeat.

With the bolt action rifles, a strap ties the bolt down during cross-country skiing. Sling snaps are adhesive-taped to secure them against accidental opening if the competitor takes a spill. Automatic rifles and optical sights are forbidden, though M1 Garands had once been used, and the Swedes find their

semi-auto Ljungman otherwise acceptable for competitions. Perhaps the regulation is to make this more of a "sport" than a military event. True sporting rifles, Model 70s in .243 caliber with 80-grain pointed soft-point cartridges, will be used in the Squaw Valley ski-shoot.

Replacing the military ski patrol as an Olympic discipline, the Biathlon is scheduled on a 20-kilometer course roughly 13 miles, in the McKinney Creek area at Squaw Valley, Calif. In the European shoots from which this was developed, contestants have often carried combat equipment, but at Squaw Valley, only rifles and ammo will be the load. The padded Winchesters probably will be carried on web slings—leather stiffens, freezes—while metal keepers and frogs will be well protected. Front sight covers protect iron beads, but care must be taken to see they don't accidentally get snow-clogged. Rear micrometer sights have hunter knobs, might also be momentarily stopped by ice, but a heavy breath should clear most peeps.

Each man carries 20 shots, takes five at one each of targets on four ranges, skiing between volleys. Under this method, two minutes are added to total time for every miss. And misses are possible, with the size of bulls and the speed and movement under pressure necessary in this hottest of cold competitions. As Squaw Valley is set up, the first firing range is 200 meters distance, bullseye 25 centimeters, or about ten inches. Second stop is on the 250 meter range, 30 centimeter target. Third range is 150 meters, 20 centimeter bull, and the fourth is only 100 meters, with pulse and breath throbbing and the big artery in your arm flipping the front sight all over the landscape—instead of settling slowly, carefully, physically relaxed at a big 30 centimeter bull.

The target is blackish brown and on two supports close to the snow. Though a circle, the bottom five centimeters are lopped off to form a flat base. For the first three ranges, the skier may choose any position: on the last one, he shoots standing. All positions are fired without any rest and, if practice is any indication, few will use their slings for more than to carry the rifle. At the range, each shooter is assigned a firing point and target number by an official. Only race officials will be on the course. Spectators, team managers or reserves are not permitted to precede or follow competitors, or they might pick up a bullet. The skiing is tough, the firing fast and furious. Shooters at the Squaw Valley event may be spaced as close as a

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minute apart.

Right now the American entrants in this combination shooting-skiing test are limited to a one-sided basis for choice. All are skiers first, and newly-made riflemen as an afterthought. Last March, 1959, the former five-man Fort Richardson team plus five more expert snowmen from that post took almost all honors at the First North American Biathlon Championship, which was also held at Squaw Valley. The seven top men then were shipped down to Fort Benning for an intensive six-week shooting course, before returning to duty in Alaska. There, technical advisor for Cold Weather and Mountain Warfare at Hq. U.S. Army, Alaska, is H. E. Wagner. This nationally certified ski instructor has kept the men in top form for the coming competition.

Since July, Hq. USARL has kept up Biathlon training with rifle marksmanship and physical conditioning, in addition to the routine military duties of the men. The team has set up a range almost identical to the one to be shot and skied over at Squaw Valley and since October has been working out over it. As of press time, place and time of the tryouts has not yet been announced, but USARL hopes to field a strong team of "Olympic hopefuls." Final selection is in the hands of the USA Modern Pentathlon Olympic Committee.

There have been a few more lessons learned—lessons from defeat, and lessons from a growing proficiency in this unusual combat course for sport. The contestant must not only be an excellent cross-country skier, but also a deadly shot with his weapon. Winter-hard physical condition, and perfect shooting coordination are needed. The finest equipment, specially tuned for the climate, is essential. Match ammunition that holds zero in temperature drops of seventy degrees or more is needed. Rifles must shoot flat, with no need to change sights.

Cross-country ski racing has been dominated by the Scandinavian nations and the Russians. But perhaps reading this essay right now is the one American, combining swift skill on skis with the nerve and precision of a top marksman, who will emerge in the Winter Olympics as our Biathlon Champion.



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FRED THACKER 444a Cortez El Paso, Tex.

CAN HUNTERS OUTSHOOT TRAP-SKEET EXPERTS?

(Continued from page 18)

the long, going-away shots, Dick says, is to crack them quickly, while your gun is still delivering a reasonable pattern. He added that, on the doubles and pairs of singles, the modified choke gives you a better overall chance.

Everyone in this year's championship shoot used 12-gauge guns, and most of the top-scoring shooters had two or three. Paul Paise, a Pontiac, Mich., trapshooter who was the 1958 champion, uses three. Paul has two Mod. 12s for skeet and trap, and a Browning over-under for the bird field. Both Winchester have special release triggers that fire only after they are squeezed and then released. Paul said they help him overcome flinching.

Another past champion is Ray Paise, Paul's brother. Ray won in 1957. He is mainly a trap man, but like his brother and like the first champion, Sam Schmidt, he does a lot of hunting.

Pistol, rifle, and shotgun expert, Max Segraves, a Lansing, Mich., police detective, was the 1956 "all-round" champion. Max labels himself a "general" shooter, with no real speciality except hitting just about everything he shoots at.

Checking the scores of the top 100 shooters and their backgrounds in the last championship, this reporter found that the ones who did well on trap and skeet, but fell down in the bird field, were non hunters. Good hunters who did well on the field course usually and only fairly well at skeet and trap—unless

they were shooters like Genesee County farm boy Jay Howlett of Davison, Mich., who "shoots everything that's in season and then busts crows in the between times." He placed second in the preliminary rounds, with 70x75, missing two in the simulated hunting field, two at trap, and one in skeet.

Still puzzled about who is the best shot-gunner, this reporter dived in feet first and entered the shoot. I must confess that I'm a fair hunter but never did an awful lot of target shooting, for economy reasons. I walked away with first place in the "writer's class." (There was only one writer, me, brave enough to shoot in front of the big crowd!)

To further prove my courage, here's my score: I busted 13 birds in the bird field, 14 at trap, and 14 on the skeet range. Of course, the sun was in my eyes; a strong wind was blowing just when I shot; my barrel was damaged; my boots were too tight; my jacket ripped; laughing from the gallery bothered me; I was tired from lack of sleep; I had a bad cold—and the referee gave me all the hard shots.

Close behind me in the order of shooters was Davison auto-dealer Robert Uptegraff. He made me look real bad. Bob who shoots a Model 12 and who won the preliminary the day before, missed only two shots on the bird field, had a straight on trap, and missed only one in skeet. He looked like a sure winner with 72x75.

Then came Blissfield shooter Fred Knob-

lauch, who came up with an identical 72x75.

They went to a shoot-off, where Uptegraff broke 20x25. Knoblauch, with his Browning Over-Under, had 19x25.

There again, two good hunters took top honors. But it must be pointed out that these so-called "hunters" looked awful good also in the trap and skeet events.


The women's event provided an exciting match with an unusual ending. A relative novice won. Mrs. Jenny Oesch, a pretty Pontiac, Mich., mother of one child, defeated the 1958 runner-up, Mrs. Vi Vandewater of Waterford, Mich., in a shoot-off.

The 28-year-old Mrs. Oesch had to shoot the last ten targets with a strange gun when her own Mod. 58 Remington jammed solid. Mrs. Oesch started serious shotgun shooting only seven months before the tournament and entered it "only for the experience." She had a total of 54 hits and defeated Mrs. Vandewater 11 to 7 in the bird field.

So—what's the answer?

The answer is of course, that there's no real answer to the "who's best" question. To be really good at both target and field shooting, you need practice at both. To be an all-around shot-gunner, you have to be able to shoot live birds well, and you must be able to pop the regulation skeet and trap targets pretty consistently.

The true all-round shotgun champion must have field experience, know guns and how to use them, and must have a good eye and sharp reflexes. I would say, however, it is easier to be a good shot than a good hunter. Good hunters are good shots.

Anyway, that's the story. Who do you think makes the best shot-gunner? 



HUNTING PRONGHORN ANTELOPE

By Bert Popowski

(Bert Popowski, Custer, South Dakota, 1959. \$6.50)

Latest on the Popowski list (previous title, "Calling All Game," and "Calling All Varmints"), this book tells not only where and how to hunt the pronghorn but all the fascinating conservation story of the revival and redistribution of what would otherwise almost certainly have been another extinct American specie. Hunter, guide, and experienced conservationist himself, Popowski is peculiarly well fitted to tell this story, and he has done it well. If you ever plan to hunt pronghorn, this book tells you what equipment to buy, where to go, how to hunt—even how to take care of the meat and head.—EBM.

I'VE KILLED MEN

By Jack Ganzhorn

(Devin-Adair Co., New York, 1959. \$5.00)

Wyatt Earp-ophiles may be persuaded against this book by the early chapters (which paint Earp as a thief and badman), but if so they will miss a rousing first-person story of gunfighting adventure (military, law enforcement, and private) which has few equals on any shelf of Western Americana.

Ganzhorn's fast-moving narrative of his experiences alongside General Funston in the Philippine Insurrection are unique in my reading and worth the price of the book. As to the Earp angles—there were two factions in Tombstone then, and anyone who has delved into Tombstone feelings recently knows that there still are two factions. You pay your money and take your choice.—EBM.

THE TRUE STORY OF BILLY THE KID

By William Lee Hamlin

(Caxton Printers Ltd., 1959. \$6.00)

If 30 years of literary and on-the-spot research on the Billy the Kid legend entitle me to an opinion (and I think it does), this is a worth-while addition to the mass of existing literature on the Lincoln County War and its most controversial warrior. This one may lack some of the poetic lilt of Walter Noble Burns' much-abused "Saga," but it lacks much of Burns' poetic license, too. This one is well documented; remarkably so when one knows, as this reviewer does, how scant the documentation is, and how hard to find. Much of this story must come from the testimony, written or oral, of people who lived it and people who witnessed it. True, much of this testimony, maybe all of it, is colored by the undying prejudices engendered by the events themselves; but it is refreshing to read again the testimony of people who knew Billy and who describe him as something quite different from the "buck-toothed, back-shooting, psychopathic little murderer" our modern know-it-all debunkers have painted him. He was a tough kid, in tough surroundings; but he deserves to be viewed in the perspective of his time, as this book views him.—EBM.

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ELMER KEITH SAYS

(Continued from page 9)

He has now killed 105 elephants in this work. On this last trip, he killed 81 elephants in 9 weeks, and around 70 of them with the Hornady 500 grain steel jacket solid from the .460 Keatherby case. He claims the Hornady bullet is perfect for its size, but he would prefer a larger caliber that would leave a better blood trail, as .45 caliber holes close up too quickly. He is now going to experiment with a caliber I suggested, the 500 on the .416 Rigby or Weatherby .460 case, using the 570 grain British Kynoch steel jacket bullet. He even has ideas of making a .577 bolt action on the .505 Gibbs case to be used from a Magnum Mauser action. John is a confirmed bolt action man and is used to a bolt gun, so won't go to a double. Seventy elephants well prove the merits of the 500 grain steel jacket Hornady solid in .45 caliber.

Lengthening Rifle and Shotgun Stocks

If a rifle or shotgun stock is a bit short for you and has a steel or hard-rubber butt plate, it can be lengthened by fitting a good recoil pad. We prefer the solid type, like the Noshoc, with no holes or trestle work to fill up with mud, snow, or dirt. However, this pad fitting takes time and the services of an expert gun stocker as well, if the stock finish is to be kept intact.

A much faster and simpler method is to get one of the rubber slip-on pads as made by Frank Pachmayr and others, and simply pull them on over the butt plate. They are called "slip-on pads," but they don't "slip on" at all easily if they fit properly. You will have to pull and stretch them to get them in place. They will lengthen your stock about $\frac{3}{8}$ " to $\frac{1}{2}$ ", at the same time giving the butt and toe of the stock considerable protection, as they extend up the stock for some four inches. These slip-on pads are inexpensive and do an excellent job of cushioning recoil as well as stock protection, and they can be pulled on the stock in a few minutes or removed in the same time when not needed.

Load for .338 Winchester Magnum

Speer Products Co. of Lewiston, Idaho, has worked out a very fine load for the .338 Winchester. It utilizes Speers excellent 275 grain bullet, 4831 Powder from Hodgson seems to be the most efficient of all with heavy bullets in this case. Load 73 grains 4831 with the Speer 275 grain bullet for a velocity of 2593 feet. A very effective all-around big game load for all American game, and also an excellent African plains game load.

Speer Handloading Manual

Speer Products Co. of Lewiston, Idaho, now have a new hand loading manual that beats anything they have formerly put out. It is a most complete manual, with many loads for nearly all commercial rifle and pistol cartridges. Loads with most procurable powders are given, so that the hand-loader can see at a glance the most efficient powder for a given bullet weight in his pet cartridge. Here for the first time are loads published for the fairly new .280 Remington cartridge.

The book is complete with chapters on case inspection, pressures, components, headspaces and case gauges, powders, primers, and loading tools. Complete instructions are given for setting up loading tools and working up super-accurate loads for individual guns. There is an excellent chapter on the ballistic properties of various bullets, and their relative sectional density is given. This alone is worth the price of the book. Tables on bullet energy are included, and these are very useful for comparison of the different calibers and bullet weights.

A chapter on pistol and revolver loading completes the book, with loads for most calibers. A table of velocities from different barrel lengths in the .357 S & W Magnum is also useful to show just what can be expected from various length barrels.

All told, I consider this excellent manual a must for all hand loaders, and a very useful book for all ballistic students and arms writers as well.

Stalking a Grizzly

The first of this week, while Ralph Smothers and I were hunting mountain sheep, we spotted a nice grizzly crossing a snow slide half a mile below us. We rode down some 400 yards, tied our horses at

an elevation of some 8500 feet, and stalked the bear. I did not want a bear, and so left the .338 Winchester Magnum on the saddle; but I took my 6 $\frac{1}{2}$ " .44 S & W Magnum.

The bear worked into a small spring and laid down facing us with his head under the bank as he ate some roots. This allowed us to sneak up to just seven paces.

We stood there watching him, could have killed him instantly with the big .44 Magnum. Instead, we decided to scare hell out of him, so he would be wiser and not let some future hunter slip up on him that way. I yelled, "Hey, you son-of-a-gun! What are you doing?" He came up out of the creek with the most surprised look I have ever seen on a grizzly. He was certainly embarrassed, just like a big kid caught with his hand in the cookie jar. He took one good look at us, then whirled and ran, whimpering and whining, the hump on his shoulders swaying back and forth.

We sat down and had a good laugh. He looked like a three-or four-year-old male, tall at the shoulders and hump but not yet filled out into the huge grizzly he will someday make if hunters leave him alone. He was in one of the most remote sections of all Idaho, so I think his chances of survival are good.



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These shotgun barrels should cause one at these prices! ABOUT 62% DISCOUNT—buy an extra, ideal for slug & brush work. 20" cyl. bore, all 12 ga., new, blued, Winchester Mdl. 12\$4.95

SAVAGE MODEL 99 BARRELS

Brand new, fast pointing 20" carbine length, complete with front sight ramp. High pressure steel. In 303 Savage only. No more will ever be available. \$9.00 ea. plus 50c post. (Special) 410 interchangeable barrel, as sold years ago, new, will require further fitting, only \$9.00 ea. plus 50c post.).

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Complete with receivers; all brand new. The 19 N.R.A. models are 22 long rifle; the Model 23 barrels in either 25/20 or 32/20, suitable as fine bbl. blanks or for replacement of barrel & receiver on guns. State model & caliber. While few last.....\$9.60 ea. Plus 50c post.

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Save your good one; (also fits LMGA). In 30-06 cal. bore, pitted. Ideal for shooting-up G.I. ammo. Most important, barrels are complete with front sight, bayonet lug and middle and rear barrel bushings. The Johnson rifle is unique since it handles most any high power cal.—AND, we are selling these complete barrels for less than the reg. price of the two barrel bushings alone. Use one of our many barrel blanks to make your Johnson fully interchangeable into another cal. by installing the two barrel bushings. On the Johnson, all you need to do is push a catch to change barrels and callipers. BARREL SPECIAL.....\$9.95 plus 60c post. (other Johnson parts: Extractor, \$3.75; firing pin & spring, \$2.75; new stock, \$12.50; fore-end, \$3.75; 5 shot charging clip for rotary magazine, \$1.00 per doz. Advise wants for other Johnson parts.)

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auto, 1911 & A1.....\$6.95

.45 AUTO MAGAZINES FREE CASE I I

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NEW REMINGTON MATCHMASTER BARRELS, for use as barrel blanks or on Remington guns in the 500 series, 26" long, 13/16" diameter, all polished and blued, chambered for .22 L. R., 6 groove rifling. Each barrel true, tested and serial numbered by Remington. The pride of Remington's barrel makers. Even if you do not now have a gun for rebarreling, you will in the future—may we suggest you pick up 1 or 2 of these at this exceptional price before they are gone? High strength steel, suitable for center fire calibers, fine for target pistol barrels. Originally made for the 513 Target rifle.....Special \$4.95 plus 50c post. (ump & front sight for above.....\$1.20)

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Full 1 1/4" diameter, straight, rifled blank—6 groove for super accuracy. 27" long—large diameter makes adaptable for most rim or center fire actions. 1 turn in 14".....only \$6.95 plus 45c post. (Chambering for .22 L.R. only, add \$1.00)

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22 BARREL (Stevens' 416); full 26" long. Note large dia. of .925 rev., .803 muzzle. Blued, trued and chambered. Only \$4.95 plus 60c post. (Special) \$3.80 per doz., f.o.b.).

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Beautiful 6 groove, .357 groove dia., 1 turn in 16", full 26" long, .940 o.d. Used for converting old 92 Winchester into .357 magnum rifles (or .38 special), custom barrels for Colt, S&W, Lugers, etc. \$7.75 ea., plus 50c pp., or 12" lengths \$4.75 plus 25c pp.

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