

NOVEMBER 1960 50c

HUNTING • SHOOTING • ADVENTURE

# Guns



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GREEN HELL  
OF THE CHACOS**

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**AFRICAN GAME TRAILS - 1960**

**SHOOTING RINGNECKS in FLORIDA**

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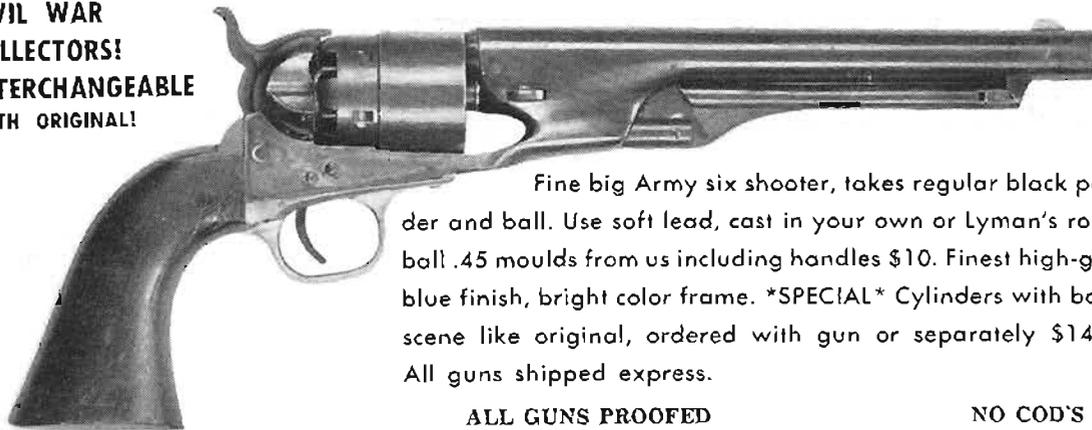
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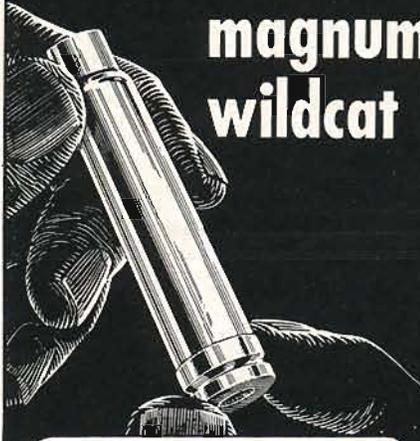
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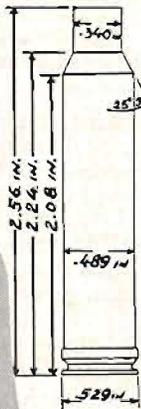
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# KNOW YOUR LAWMAKERS

Senator Kenneth B. Keating  
New York  
Committee on the Judiciary

OF COURSE, I support the United States Constitution in accordance with my oath, but I do not consider myself enough of an expert (on the 2nd Amendment) to write an article for your magazine. I would be interested, however, in seeing any opinions you may receive from other United States Senators.

Senator William Proxmire  
Wisconsin  
Comm.: Agriculture & Forestry

... IT MAY BE necessary in the public interest to impose certain regulations to govern the exercise of the right to keep and bear arms, but the Second Amendment remains as a vital and proper guarantee of a necessary right of Americans, especially in our world of today.



Congressman Ancher Nelsen  
2nd Dist. (Hutchinson), Minnesota

I BELIEVE there is a great meaning today, as there always has been, in the Second Amendment to the Constitution of our country, and I have done my share to defend the rights of the people to keep and bear arms. And then there is the true story of how a little "bull" goes a long way...

When I was a state senator, a bill was sailing through the legislature to outlaw BB guns. A number of children had lost their eyesight due to accidents, and the bill was a cinch for passage until some farmers cornered me at a Farm Bureau meeting, one of them lamenting the fact he couldn't get his bull into the barn without a BB gun. It seems that Duke, his bull, was inclined to stay out in the lovely sunshine instead of going into the barn, and the farmer would take his BB gun and give him a gentle hint on his behind, which produced immediate results. The next day the bill came up and an amendment was offered to exempt municipalities of 25,000 or less, thus giving the farmers what they wanted. In support of the amendment I stated that in my district I had a farmer who could not get his bull into the barn without a BB gun. By the time the uproarious laughter died down, the "little bit of bull" was enough, not only for the amendment, but actually prompted the Senate to kill the entire bill...

Senator Ralph Yarborough  
Texas  
Committee on Interstate & Foreign Commerce

THERE IS NO question but that the "right of the people to keep and bear arms" is still of significant importance in today's world. The familiarity of our people with firearms has been a strong factor in the ability of our citizen soldiers to prepare speedily for battle in time of war. A nation of outdoorsmen is a healthy, vigorous nation... Concerning what I would consider infringement of this right, I (would) refer to periodically proposed regulations by the Internal Revenue Department requiring records of guns and ammunition sold. Such regulations would require every farm boy to register his gun and have a receipt for every shell or cartridge bought if he wanted to hunt a rabbit or shoot a rattle snake. It is a regulation that smacks of the police state and infringes Americans' rights.



Senator (rt.) and collector friend.

Congressman Tom Steed  
Comm.: Appropriations; Small Business  
4th Dist., Oklahoma

IN REPLY to your enquiry about my position on proposed curbs on arms, may I say that I could not state my views more clearly than has been done by the National Police Officers Association.

Senator Herman E. Talmadge  
Comm.: Finance  
Georgia

IT IS MY view that under the Second Amendment to the Constitution the right to possess arms is inalienable. However, I do not think it inconsistent with that guarantee that society assure the protection of the rights of others by prescribing reasonable and realistic regulations governing the use of arms so possessed.

Readers Note: All *Congressmen* may be addressed as "House Office Building," and all *Senators* as "Senate Office Building," both at "Washington 25, D. C."

# Guns

FINEST IN THE FIREARMS FIELD

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### THE COVER

Behind his Solothurn anti-tank rifle the cool eye of a Bolivian "tank destroyer" surveys the Paraguayan jungles of the Chaco Boreal. Hot combat in the notorious "Green Hell" of the South American Chaco between Bolivia and Paraguay was ignored by observers from U.S. military cadres though Soviet officers who studied that war in the 1930s are now high in Red Army circles.

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GUN DIGEST, 1961 Edition

Edited by John T. Amber  
(Gun Digest Co., Chicago 6, Ill., \$2.95)

From the piquing cover by Jim Triggs picturing an as-yet-unannounced .44 Magnum automatic carbine, to the voluminous and complete tabulation of firearms on the market today, John Amber has filled this latest Digest with a lot more reading than you can "digest" at one sitting. You'll dip into this chunky book again and again, to settle arguments, to find the facts. The Mauser catalog reprint will delight military rifle fans. Gil Hebard's talk on prize winning handguns is good sense. Larry Sterret has gathered up all the loose ends in the Mars pistol story; and Emmett Donnelley's story on "The Minie Rifle" is excellent. One essay about which Amber is especially proud is Peyton Autrey's new approach to a ballistic problem. It's all there in your next Gun Digest.—W.B.E.

TULAROSA: Last of the Frontier West

By C. L. Sonnichsen  
(Devin-Adair Co., New York, \$6.00)

I cannot claim to be an unbiased reviewer in this instance: I like Sonnichsen, and as an ex-New Mexican yearning for a return to active status, the subject matter of this book is of peculiar interest. Here is more than has ever before been published on one of the Southwest's greatest mysteries, the killing of Colonel A. J. Fountain and his little son. Here is more, too, than I have ever seen in print about Oliver Lee, relatively unsung but surely one of the West's best shots with rifle or revolver—a man, incidentally, who used Lucky McDaniel's trick of "instinctive aim" before Lucky was born.

Dr. Sonnichsen makes no heroes here, and the unsolved murder of Colonel Fountain remains unsolved; but you will know your West better after reading this book, and you will have an evening's entertainment as a bonus; for, in spite of its scholarly criss-cross of annotation and detail, Sonnichsen's style makes it easy reading.—EBM

AMERICAN KNIVES

By Harold L. Peterson  
(Morrow, N.Y., \$4.95)

This is the first book to be published on the general subject of American knives. The veritable flood of forgeries—fakes, that is, not hammered iron—which have appeared recently in the "Bowie knife" field alone indicate the urgent need for such a source of information as museum-wise Peterson's book. Collectors, beginning and advanced, can turn to this one for ready answers on knives, types, and for photos and drawings of typical genuine or historically significant specimens. And by showing many of the lesser known but quite scarce and desirable knives, such as the "riflemen's knives" issued to rifle-armed Army men in the early 1800's, Peterson's book may help the sharp-eyed student pick up rare bargains. Almost 200 photos and line-drawings supplement the text.—WEE.



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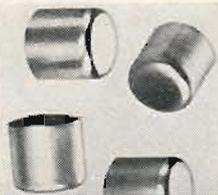
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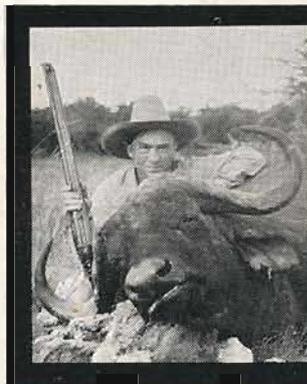
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Elmer

Keith

says ...

### A pair of Custom .458s

With the advent of the .458 Winchester and all the good reports by White Hunters Ltd. and others on its performance on the big five of Africa, I bought one from Winchester and had Nathan Bishop and Russ Hightower, both of Albuquerque, New Mexico, rebuild it into my idea of what a dangerous-game rifle should be in a bolt action. First, Hightower cut the barrel to just 22", refitted the front sight ramp by silver soldering, then polished and reblued the whole action and barrel. He polished and tuned up the trigger, jeweled the bolt, and polished both bolt and bolt runway. The action is now as slick as any tuned-up national match rifle. Next, he fitted a Williams Foolproof receiver sight and a Sourdough front sight.

Nathan Bishop restocked the big rifle with a piece of fine, hard, well grained English walnut, shaped to my design and fitted with a



Keith's own .458 has Limey lines; one built for Forbes has Mannlicher stock.

soft recoil pad (noshoc), and detachable sling swivels. The completed rifle without sling weighs just 8 1/2 lbs, is fast and handy and about the same overall length as a fine English double rifle with 26" barrels. It is now a beautiful and practical rifle for hunting dangerous big game in Africa. It will do one-inch groups nicely at 100 yards with the good Winchester ammunition.

My old friend Gerrit Forbes, an African ivory hunter of the old days, wanted a .458 Winchester, but to his own specifications and stock dimensions. He wrote me several letters, detailing all the things he wanted on that rifle, and I turned the job over to Iver P. Henrikson of 1211 So. 2nd St., Missoula, Montana.

Forbes wanted a 22" barrel length but wanted a heavy barrel to bring the completed rifle weight to 11 pounds to cut down recoil and make for steady careful off-hand holding. He wanted all parts blued so they would reflect a minimum of light. He wanted a full-length hand guard to further reduce the flash of the sun on a rifle barrel, and to keep the big barrel cool in one's hand in the hot African sun.

Next, he sent detailed drawings and specifications of his own Forbes front sight, with a folding ivory 3/32" bead, to fold flat inside the ramp when not in actual use. Next, he

wanted a real old Lyman Peep sight with large aperture, set back as close to the eye as practical and still avoid its recoiling into the eye of the shooter. He wanted a full-length Mannlicher stock with his own butt design, without cheek piece and to his English Gunmaker's try-gun specifications, with full pistol grip, but with rounded recoil pad. He also wanted the trigger set back in the extreme rear end of the guard, as he pulls trigger with the second joint of the trigger finger. He wanted detachable sling and swivels, and a good detachable three power hunting scope and mount. In addition, he wanted all parts of bolt, magazine, and bolt race carefully hand-polished for perfect smooth functioning.

This all added up to a lot of work and a lot of careful planning by Henrikson and myself. He also wanted plain grain wood but the finest and densest wood we could get.

Henrikson started out with a new Model 70 in .270 calibre. He fitted a premium grade heavy 22" Douglas barrel, polished the bolt and action, and recut the bolt face and extractor for the .458 round, and carefully worked out the magazine to handle the big load. Next, he reshaped the trigger guard, narrowed it at the rear end, and made over the trigger to come in the extreme rear end of the guard, with a clean smooth pull. Next, he had to make a new cocking piece, complete with head, which he sent to Lyman and had them fit a 103 folding peep sight. Spring plungers were added to the cocking piece to ride evenly on the rear tangs to keep the sight in perfect position every shot.

Forbes design of folding front sight Iver worked out perfectly, but had to make two of them by hand before he got the job as perfect as he wished. This Forbes ramp front sight has a band encircling the barrel. Then Iver had to make muzzle cap and also a rear hand guard ring. He selected a fine blank of plain, straight-grain French walnut and did a beautiful job of both stock and foreend and hand guard. We selected a Weaver K-3 scope with post and cross wire reticle, and Weaver's good top mounts. Iron sight line is practically the same as scope sight line. With the peep sight turned up in shooting position, and the front sight folded down in its ramp, the iron rear sight does not interfere with the use of scope at all, and by turning those two coin-slotted screws, one can remove the scope in a few seconds and have one of the finest sets of hunting iron sights possible to procure.

Henrikson also fitted a barrel band with another heavy lug in addition to the regular recoil abutment on the 70 action, so there would be no chance of the big rifle ever kicking through its stock. The finished rifle is a

(Continued on page 79)

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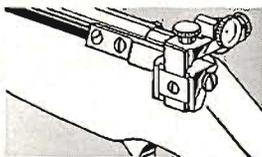
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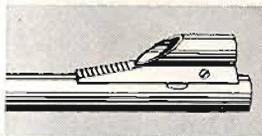
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# CROSSFIRE

## Honest Opinion

I would like to state my appreciation of your fine magazine. The column that expresses the opinions of our Senators and Congressmen is a great help to me. It is gratifying to know that we have capable men in our halls of congress who understand the oath of office that they took. A number of times, and quite frequently, our public servants take the oath of defending the Constitution without realizing the full contents of the Constitution. I believe that we must abide by the whole Constitution, not just a portion of it. There are a number of instances where different magazines and newspaper companies express their opinion concerning the second amendment to the Bill of Rights. They do not feel that we are entitled to any consideration; but just let someone else bring up the subject of more strict control of the press and you will see those same individuals start bringing out the Constitution and the Bill of Rights and start hollering about the first amendment of the Bill of Rights. I believe, that the Constitution is for everyone; the whole Constitution, not just a portion of it.

I appreciate the effort you show in your magazine of telling the sportsmen and likewise the American people of your honest opinion. That is what this country needs more of, honest opinion.

I extend to you and other members of your staff good wishes and continuous success with, in my opinion, one of the finest magazines that has ever appeared on the newspaper stand. Express your honest opinion and fear no one.

Charles R. Gray  
Legislative Vice-President  
Associated Gun Clubs  
Baltimore, Maryland

## He Likes Lever Actions

To me, the greatest firearms news since World War II was the announcement of the Winchester Model 88. I have been disappointed that it has been limited to the three (.243, .308 and .358) calibres. I am even more disappointed now to think that Winchester is coming out with two new calibres, .264 and .338 mags. I don't know why the people get the idea that only magnums and highly accurate rifles must be of a bolt action type.

I was firing a Savage Model 99 in .243 and a Manlicher-Schoenauer in .30-06 a while back at 100 metres. We were just shooting, no match or anything of the sort, but three of us were shooting both guns alternately. This may be a poor comparison to match these two calibres, but they shot about the

same as far as accuracy for the three of us. This proves to me that most any first rate rifle will shoot more accurately than the average shooter.

As for strength, reports say that the Savage 99 is capable of withstanding 52,000 PSI, and I understand that the Winchester Model 88 is much stronger. I'd almost bet that the pressures in the large blown-out case don't run too high, and if the Model 88 was long enough, it would handle either of the two new .264 or .338 mags. On these same cases, Jim Harvey is driving some healthy slugs at a pretty good clip and none of his pressures are over 53,000 PSI in his Maglaska series.

By now, I'm sure it is established that I shoot a lever action. I do, from .22 to .348 calibre. I think a lot of other folks would also if we would pretty up the stocks and forget about the limitations of the old lever guns—more calibres would also help. Most people think of levers as being weak and having poor accuracy, which is not true with the modern levers.

My solution is to take the new .264 and .338, shorten them so they will work in the Model 88. I know this won't give the results that the original cases will, but should be right respectable anyway. Should also be able to almost duplicate Jim Harvey's .358 Maglaska. I would also like to see the model 88 in a .22-250 or the Remington .222 Magnum or just neck the .243 down to .22. If the Model 88 cannot handle the shortened belted case, then maybe the T-65 case could be necked down or opened up and improved upon similar to Ackley's.

Would anyone care to comment on my proposals? Three calibres are just not enough in this fine rifle. I'd like to see more especially 06 length as well as nice Monte Carlo stocks. Give us "old die-hards" at least one good rifle so that we might compete with you "bolt throwers."

Major William M. Cox, USAF  
EAME AACS Area  
APO 633, New York, N. Y.

## Wharton Magnum

I have a subscription to your fine magazine and enjoy it tremendously. In looking over some of the back issues, I came across the March, 1960, edition with its article about Francis Wharton, "Canada's Backwoods Wizard." The article had a great deal to do with a "custom" Colt .45 auto which used a sawed-off .270 case necked down to .38 caliber called the .38 "Wharton Magnum." Just out of curiosity, I was wondering if Mr. Wharton's experiments were being carried on after his death. A handgun with so much punch probably wouldn't appeal to the gen-

eral public, but a slightly refined model of this powerhouse would probably put the auto pistol right along side the big Magnum revolvers when it comes to stopping power. It may sound crazy, but I think the auto pistol manufacturers are missing a good bet. Keep up the good work on a magazine that truly is the "Finest in the Firearms Field."

Dave Charity  
St. Louis, Missouri

### Cartridge Data

I read with interest your article on the "Missing Link in Rapid Firers." The reload shells are pictured in the book "Small Arms and Ammunition in the U. S. Service" by Lewis and the Smithsonian Institution—1956 and listed as "steel chamber, Union Machine gun with special Williams bullet reduced-load cartridge."

Of interest is the fact that I own one of these shells which was found on the "Seven Pines" battlefield. There were some 10 of these found and the balance of them are either sold to collectors or are in the possession of Mr. S. L. McClaren of Route 3, Box 258, Richmond, Virginia. I have been looking for more information about my shell and was very glad to have the chance to fill in my knowledge.

William B. Floyd  
Mathews, North Carolina

### "He Rode With Jesse"



I am not a writer of letters to editors, but I get your magazine every month and want to thank you for a fine publication, the best in the field.

In the "Crossfire" section, August issue, under the title "He Rode With Jesse," I was surprised to see

Granvil House mentioned in connection with Jesse James. I once lived in Hooper, Colorado, where Mr. House resides, and came to know him quite well. He has many guns and many pioneer relics. He mentioned Jesse James to me several times and, as I recall, told me he saw Jesse after Jesse was supposed to be dead. I never had any reason to doubt Mr. House's integrity. In my opinion, anyone tracing History on James should talk to him. I enclose a snapshot taken when Mr. House was, I believe, 86 years old.

C. E. Overlease  
Burlington, Colorado

### Canada Pistol Permits

I am fifteen years old and an avid reader of GUNS. I have been trying to buy a Colt revolver but the police will not give me a permit. I have been sent from one man to another trying to get a permit, and I am pretty confused. I wouldn't know who to write to, so I thought I could ask you what the laws are in Alberta concerning revolvers.

J. R. Baldwin  
Edmonton, Alberta, Canada

Enclosed is my order and cheque for four issues of your new publication, "Guns Quarterly." I am a regular reader of GUNS, and your consistent high level of material far outstrips your competition. I find your magazine

well diversified in content, and have never read an issue that did not have at least one article of particular interest for me.

With all the recent activity on anti-gun legislation, perhaps your readers would be interested in knowing some of the Canadian regulations. All handguns are registered federally with the Royal Canadian Mounted Police through the local municipal police, who issue the necessary "Permit to Buy" (in Toronto you must have one of these to look at a pistol in the shop) and Registration Certificate after purchase. This certificate allows you to have the pistol in your home or place of business only. Local departments issue permits to carry. Here they require:

1. Gun(s) to be inspected for proper mechanical condition.
2. Applicant to be approved by and a member of an accredited gun club.
3. Test bullet from gun(s) to be kept on police files.
4. Photograph and fingerprints of applicant to be taken and kept on file.

I have no comment to make, other than to say that if invaders come, you, our friends below the border, will have to fend for yourselves because we sure as hell have made it easy for them to pick up every pistol in Canada in no time flat.

Name withheld by request  
Kitchener, Ontario

*Canadians concerned with good gun legislation should support their shooting associations. The Canadian Civilian Association of Marksmen, Box 248, Station B, Montreal, Quebec, and the Dominion of Canada Rifle Association, 200 1/2 Bank St., Ottawa, Ontario, are the national organizations. In the Ontario area, Mr. Charles Hebert, Room 413 Terminal Bldg., Queen's Quay, Toronto 1, may be of aid to shooters in club and legal matters. I regret to say we have no information on how young Mr. Baldwin can get a pistol permit in Alberta; perhaps some nearby shooter could take him in tow and help him?—Editors.*

### Thank You, General

I wish to thank you for your recent letter and for the copy of your fine magazine. The article on the M-14 was consistent with the high quality of all of the material in GUNS and I enjoyed reading it.

The beautifully finished M-14 to which you have reference is now permanently displayed in the Marine Corps Museum at Marine Corps Schools, Quantico, Virginia. I shall be pleased to have my photograph taken with it and shall forward a print to you in the near future.

Gen. David M. Shoup  
Commandant of the Marine Corps

### Information Wanted

I've just had a letter from Sgt. J. E. Millar, N.Z. Regt., P.O. Box 315, Nelson, New Zealand, asking for whatever information any readers might supply on any and all firearms used by the New Zealand military. Collecting arms and/or data on them is hard enough "down under," according to Sgt. Miller, so perhaps you'll find space to publish his plea.

John T. Amber, Editor  
"Gun Digest"  
Chicago, Illinois

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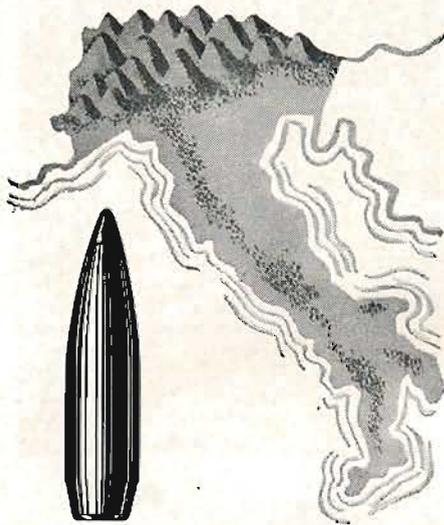
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# IN ITALY

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Mr. Gonzatti with a fine buck chamois, Range: 250 meters. (275 yds. approx.) Sierra one-shot kill from a high angle of at least 50°

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# HANDLOADING BENCH

By KENT BELLAH



## C-H Shell Master and Swag-O-Matic

C-H Die Co.'s "Shell Master" is an attractive red and chrome shotshell loader. Designer C. R. Heckman is a skilled tool and die maker, and inventor, who has been handloading since he was a youth. Today, his products are favorably known around the world, wherever U.S. reloading equipment is sold. This country is his major market, of course, as few countries have it as good as we do in the handloading game.

His Shell Master is an excellent machine. A rank novice can load factory quality shells with it in a few minutes after mounting it on his bench, it's that simple! It's positively goof proof if you follow simple directions. Even a dumb blonde can do it!

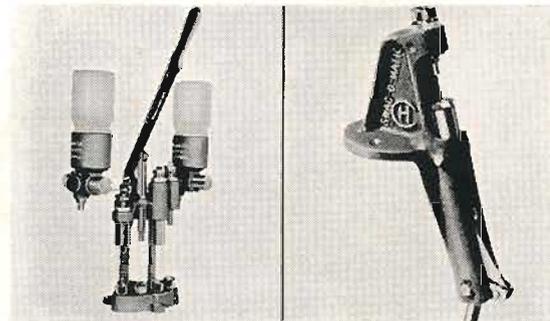
A beautiful babe, packed and stacked, dropped into my place. She looked game to try anything for a delightful new thrill treat. She had never seen a shell loaded. I briefly explained the Shell Master oper-

ations, and packed and stacked a tube to demonstrate. Awkward as a blushing bride, she made a perfect load in 39 seconds, all with her own little hands. In a few minutes she could make a perfect reload in the "less than 20 seconds" that C-H advertises. If she can do it, so can you. When I told her reloads cost less than half as much as factory fodder, she inquired, "Why doesn't everyone reload?" That's a good question. Beautiful babes are not always dumb.

at you, with the charges plainly stamped. My powder bar says, "23 CR. RED DOT." The other, "1 1/4 oz SHOT." I like this better than company numbers that do not indicate the load or powder type. It will prevent some blown up guns. Extra bars are \$2.40 each. Extra dies, with two bars, are \$24.00.

The bars are most convenient, and require no other measure or scales. However, the powder measure clamp permits mounting the SAECO measure with the old style drum. You can also rig the new SAECO measure, or most any other, on the machine. Or you can use any measure separately. It's good to know this if you want to change charges and do not have the right bar. Never, never substitute powders in any metering bar! This is the one dangerous thing about reloading.

Let's load a shell. Place a shell in Station 1. (Each station is numbered so you can't go wrong.) The first pull of the handle



New loading items from C-H proved highly acceptable in extensive tests by Bellah. Shot, powder bars are goof-proof, on Shell Master (left) while Swag-O-Matic (right) makes uniform pistol bullets.

ations, and packed and stacked a tube to demonstrate. Awkward as a blushing bride, she made a perfect load in 39 seconds, all with her own little hands. In a few minutes she could make a perfect reload in the "less than 20 seconds" that C-H advertises. If she can do it, so can you. When I told her reloads cost less than half as much as factory fodder, she inquired, "Why doesn't everyone reload?" That's a good question. Beautiful babes are not always dumb.

At \$75 complete for one gauge, a Shell Master is not the cheapest machine. You seldom get the best at the lowest price. It is exceptionally sturdy, and pretty enough to mount on the piano. You get a perfect star crimp in one operation. Steel parts are heavy, accurately aligned, and chrome plated. Dies are highly polished. Each operation ends on a dead stop, requiring no skill. It makes quality, uniform loads fast. Only four pulls of the handle do the job right.

Spring-loaded bars in the powder and shot measures prevent goofing, or accidental operation. They can not be installed in the wrong measure. Both bar buttons stare right

resizes the brass. On the up stroke the fired primer is ejected, and the shell pressed partly from the die.

Drop a primer into the spring loaded cup. Pulling the handle seats it flush. The base wad is also reseated, if it's out of place, which is a fine feature, and the head is reconditioned. This is vital for good loads, and the C-H does the job right.

Hold the shell against the powder drop tube, press the button, place the shell in the wad guide, drop the wad column on top, insert the assembly at Station 3, and operate the handle. The wads are now seated fully. It takes longer to tell about it than to do it!

Drop the shot, as for powder, insert the shell at Station 4, and operate the handle. This sizes the paper tube to final size, and makes a perfect crimp. In less than 20 seconds you have a perfect load, maybe.

As with any machine, your wad column must be within reasonable limits. Shot must come to within 9/16" of filling the tube. If it looks pretty close, try crimping. Compare the looks of your load with a factory shell. If the crimp isn't nearly perfect you'll

need to change the wad column height, or screw the crimp in or out a bit for more or less pressure. Oversize wads, excessive wad pressure, moist shells, or shells fired too many times, are major causes of second rate loads.

It's best to have wads of the correct thickness on hand. If you don't, you can easily split filler and nitro wads with a pocket knife about as fast as you can pick them up. This is a good tip to remember in case you get caught short.

Discard any wads with a half-moon clipped out. If cases wrinkle or buckle, you have too much crimp pressure. Back out the crimp. The star should form perfectly, not bulged out nor dished in. A chart with load data is included for 12, 16, and 20 gauge loads. Do not try to "improve" listed loads. Average reloads of yesteryear were lousy, but today's modern loading machines make quality stuff.

My Hi-Standard Supermatic Trophy with comp-adjust choke is a dandy test gun. It throws beautiful patterns, and has a precision chamber. Good reloads should function in precision chambered auto-loading guns, and should pattern with equivalent factory fodder. My Shell Master loads passed the tests with colors flying.

We loaded some once-fired Ranger hulls with the excellent CCI primers. The No. 7½ chilled shot were made by Division Lead Co., Summit, Ill. The wad column was one .200 Micro over powder wad and one ½ inch Micro "Ring Lubed" filler wad. Micro wads are good ones, made by Dircks-Beath, Inc., Las Cruces, N. M. You get about equal results by using thinner wads and more of them to bring the column to the correct height, but two wads are easier to stack. Seating pressure was set at C-H's recommended 30 pounds, that they found was adequate. It is. Excessive pressure sometimes causes shells to swell on standing. Some shells were still good after five firings in the Supermatic, with no jams whatever in more than 375 rounds. Some shells re-loaded seven times were too soft to feed properly or shoot well.

The Shell Master is standard with a sizer for Winchester-Western-Federal hulls. C-H supplies it on request with a larger sizer for Remington-Peters-Alcan tubes. Unless you use the latter almost exclusively, our tests show they work okay in the standard sizer.

To sum up, this rugged tool requires little attention. The chromed dies and other parts require little care. There is no chance to get an accidental double charge of powder, as you must push the spring-loaded bar to a dead stop. It has a positive return. Charge bars require no lube nor graphite, and a novice can operate them with uniformity. The wide mouth plastic hoppers are the easiest I've seen to fill without spilling powder or shot. Hopper threads fit standard fruit jars. All operations end in a dead stop, in line and in alignment. You can load all the shells you need easily, and save plenty of money.

### The Swag-O-Matic

The C-H Swag-O-Matic is a complete die-and-press unit, designed for the specific job of swaging perfect bullets. It's a beelied-up modification of the strong C-H Super  
(Continued on page 72)



Suddenly, you see him  
...drop him now  
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More than a million sportsmen have used the Savage 99, long renowned for accuracy, dependability, power to spare. Now... the world's favorite lever action big game rifle is better than ever! New top tang safety—fast, quiet, convenient. New trigger-sear mechanism—clean, crisp trigger pull.

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four locking lugs... shortest  
bolt travel... hinged floor  
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Primers are of the American type and are  
non-corrosive and non-mercuric. 160-grain,  
pointed soft-point boattail bullet at a  
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Pure lead cores for greatest expansion and  
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# GUN RACK



## Snider Static and Westley Richards "Wind"

Response on the Golden State-imported  
W-R capping breechloaders, .45 black pow-  
der Whitworth rifles, and the Snider carbines,  
has been surprising. First, Canadian Indus-  
tries Limited, for "north of 54-40" shooters,  
sells Snider .577 loaded ammo at \$4 for ten  
rounds. The price is stiff, but the stuff is  
fresh and shoots. Probably a big order of,  
say, 1,000 rounds, would shake them up and  
lower the price, since it is British-made ICI  
fodder. However, "luckily I happened to  
have several boxes of .577 Ely black powder  
loads so haven't gone to the trouble of mak-  
ing cases," writes F. R. Olsen of Ft. Collins,  
Colo. "In the interests of no sore shoulder,  
suggest use of Ideal #575494 bullet, as it  
is a bit lighter than #575213 Springfield .58.  
Of course, the cases hold 75 grains with ease.  
In using the Westley Richards as a muzzle  
loader, try Ideal #445369 which casts a  
.443" bullet, hollow base like Minié, which  
shoves down the bore quite easily and stays  
on end in flight. Also played with #457125  
with 70 grains FG—very good, if you know  
what you are doing." Olsen's references are  
to bullet moulds made by Lyman Gun Sight  
Corp., Middlefield, Conn., especially for  
muzzle loaders and black powder shooting.

Paul R. Blitz of Glen Lake, Minnesota,  
also found these W-R breechloaders with  
their old ten-groove flat Whitworth rifling  
fun to shoot.

"The 'monkey tail' breechloader is quite  
accurate," he says. "The weapon can be shot  
with paper cartridges as a breech loader.  
The breech seals quite well even without the  
use of a greased wad. The paper adheres to  
the chamber and has to be scraped out;  
nitrating it might obviate this difficulty. To  
use it as a muzzle loader, seal the breech  
with a lead plug. I cut the bottom 1/2" from  
a lubed 405 grain, .45-70 bullet, hammer it  
lightly to a slightly larger diameter, seat it  
in the breech and close the action. The first  
shot will force it and the mechanism back  
for a perfect seal. This has absolutely no  
leakage. As a muzzle loader, it shoots well  
with patched round ball. The bullet I have  
been using is Lyman hollow based of about  
300 grains. I am going to use my 24"  
barreled carbine in competition this summer  
and feel that it has good potential for the  
musket matches."

## Gunsmithing Services

Getting things done right seems more and  
more difficult in many lines of work. Fortu-  
nately in the U.S., gunsmithing schools such  
as Denver's Colorado School of Trades,  
Lassen Junior College at Susanville, Calif.,  
or the Pennsylvania Gunsmith School in  
Pittsburgh, are turning out a bunch of really  
dedicated, enthusiastic guncraftsmen gun  
nuts.

But the "American system" produces skills

of one kind and sometimes what is needed  
may be skills of another kind: hence a look  
at what the famous, old, but vital, firm of  
Westley Richards & Co., Ltd., 73 Cornwall  
St., Birmingham 3, England, can do may  
help you get your pet powder-burner re-  
paired right.

For double shotguns if knocked about,  
their charge to raise dents, lap out and re-  
black the barrels, comes to about \$16, plus  
postage both ways. This is not expensive,  
considering it will be done by double shot-  
gun experts, of which these are few and far  
between in this country. To refinish the stock  
and rechecker as well as raise dents, the bill  
comes to about \$21—easily worth it. Thus a  
refinish overall may cost approximately \$40  
—in a quality of work which might cost  
double that or more here, if you could get  
it done at all.

Their offer of "restocking best guns"  
should appeal to many owners of fine Park-  
ers, L. C. Smiths, and others. The term "best  
gun" means the wood selected will be of the  
finest quality and the workmanship of the  
best; the stock inletting so laid out as to  
preserve the maximum of wood internally  
for greatest stock strength. All this—by ex-  
perts in double gun work—will cost about  
\$174, or little more than the cost of the  
wood as some blanks run in the U.S.! It  
may be necessary under the British laws to  
submit your gun to nitro proof, for which a  
slight extra fee may be charged.

The pitch to this whole proposition is:  
you can ship a shotgun by ordinary mail, or  
air parcel post if you are in a hurry. The  
exporting costs nothing, and the importing  
does not require either a license or, if by  
mail, the excessively costly services of a  
"customs broker." The Post Office will clear  
your gun for you and you pay a small cus-  
toms clearance charge plus a very minor  
duty, based on the value of the work done.  
More than likely, since the gun is American-  
made anyway, it may come to you duty free  
as American goods returned. At any rate,  
the job is worth looking into, for any special  
or unusual work in rebuilding a good double  
gun. Write first to Westley Richards & Co.,  
Ltd., 73 Cornwall St., Birmingham 3, Eng-  
land (not to be confused with the sales office  
Westley Richards (Agency) Ltd., of Lon-  
don).

## Biggest Gun Buy Of All

Without doubt the supreme gun purchase  
for the real gone gun bug in the market  
today is one of Faust's Solothurn anti-tank  
rifles. These huge semi-auto shoulder-fired  
bipod rifles are unique in shooting experi-  
ence. When one goes off there is a sound a  
little like an Alamagordo test and some-  
where far down range you can see the dust  
spurt. None of the HE ammo for this 300-  
pound-plus gun gadget is available, and this  
is as it should be. There is long-range fun  
a-plenty to be had shooting the original 20

mm. solid Armor Piercing Tracer projectile though of course as with all tracer ammo care must be taken to see that no brush fires are started. In this respect the 20 mm projectile ( $\frac{1}{2}$  pound travelling over 2700 feet per second) is no more dangerous than a standard Carbine or Garand tracer bullet, but the power alone of the 20 mm equals a whole volley from an M-1. This great gun comes in its own ordnance chest, with barrel removed, and priced at \$189.50 F.O.B. California. Opening one of these chests for the first time is like discovering a cache of rare Lugers—the breech is massive and beautifully machined and, take care, full of heavy springs that can go ker-plung and lop off a finger if you're unwary. But full directions accompany this gun and the basic design is quite simple. It is a ten-shot box magazine semi-automatic repeater and if anyone can take the kick of ten of those shots, why man, he's a *man* (or shell shocked). There is at present no earthly reason why anyone would want one of these, but nobody said the gun bug has to be reasonable. In a study of its machinery are lessons on design and construction, while shooting one even at DCM rifle ranges is an unusual experience. With its telescope sight, snipping at long ranges is a costly but fun-packed game. There is plenty of ammo in Faust's new shipment, at \$9.95 for 10, \$45 for 50, or \$85 per 100 in sealed ammo cases. Effective range is 1000 yards but actual range approaches four miles. Descriptive folder from Faust Military Ordnance, Box 8022, Sacramento, Calif., or if you're as steamed up as one of GUNS staffers was when he first heard of it, send off the money—you'll be pleased (shocked, too, maybe).

### Rare Guns Stolen

Valuable guns were taken from the Texas Memorial Museum, Austin, Texas, early in March 1960. Of the pistol pairs shown, one each is stolen. The Dutch ivory stocked pistol is marked *I. Koster's Maestrich*, length overall 17 $\frac{3}{4}$ ". Solid ivory stock butt is helmeted soldier, fore-end is animal with horns. Steel lock has mermaid holding serpent's head. The Scottish Highlander dress pistol is one of the finest of its type we have ever seen, a startling bright blue steel barrel, gilt and chased stock. Shield on grip side reads "The Gift of Col. John Small to Governor Parr." A really beautiful late Scottish pistol. The pair of Forsyth pistols was taken. They are marked "Forsyth & Co., London" and "Patent." Barrels 4", length OA 8 $\frac{3}{4}$ ". Anyone having knowledge of these guns please contact Mr. Fred Rymer, Department of Public Safety, Austin, Texas.

### Hy Hunter's Derringers

Hy Hunter's American Weapons Corp. (3031 W. Burbank Blvd., Burbank, Calif.) sent me one each of the new German-made double derringers in .22RF, .22 Winchester Magnum, and .38 Special. I tried all three on the Evanston Police 20 yard range. The .22RF grouped wide of the paper, the .38 Special went "bang" and, when I snapped off the .22 Magnum, a blossom of orange flame burst forth, the steel overhead baffles went "ka-bong" with 60 seconds vibration, and from upstairs came plaintive cries of "whatinell are you shooting down there?" The tiny copper clad bullet lightly pocked  
(Continued on page 75)

# Game-Getter!



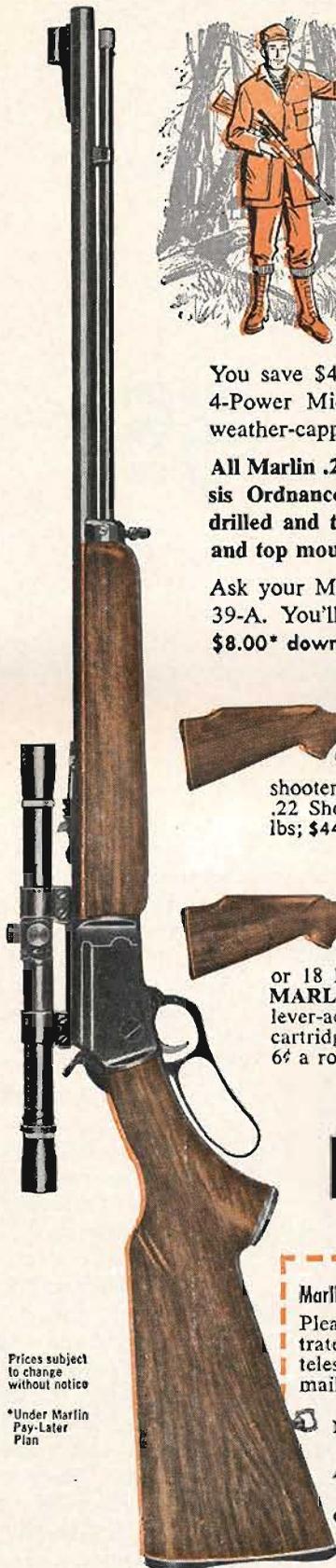
When you draw a bead on Old Bushy-tail with a Marlin Micro-Groove Model 39-A, he's in the bag! This fast-firing, hard-hitting, western-type lever-action .22 is a real game-getter — a true sportsman's rifle, built for a lifetime of straight-shooting fun! Full tubular magazine holds 25 Short, 20 Long or 18 Long Rifle cartridges.

And with Marlin's Micro-Groove Rifling, there's less gas leakage, less barrel wear, and a 20-25% "accuracy bonus."

You save \$4.95 when you buy the Model 39-A with Marlin 4-Power Micro-Vue Scope — with coated lenses, sunshades, weather-capped click adjustments for elevation and windage.

All Marlin .22 rifles have these quality features: Special Analysis Ordnance Steel barrel, automatic side ejection, receiver drilled and tapped for standard peep sights or tip-off mounts and top mounts, specially treated quality walnut stock.

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**MARLIN MODEL 56 LEVERMATIC .22:**

Lighting-fast, short-stroke lever swing — shooter's hand never leaves the trigger; 7-shot clip handles .22 Short, Long or Long Rifle cartridges; Weight about 6 $\frac{1}{4}$  lbs; \$44.95, only \$5.00\* down.



**MARLIN MODEL 57 LEVERMATIC .22:**

Tubular magazine holds 25 Short, 20 Long or 18 Long Rifle .22 cartridges; \$49.95, only \$5.00\* down. **MARLIN MODEL 57-MAGNUM LEVERMATIC** is first lever-action repeater chambered for new rimfire .22 Magnum cartridge that offers 100-yard varmint shooting at less than 6¢ a round; 15-shot capacity; \$54.95, only \$6.00\* down.

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EXPLODING OUT OF GRASS OR SCRUB PALMETTO,  
RINGNECKS WERE STARTLING TARGETS TO BOBWHITE-TRAINED  
FLORIDA DOGS AND FLORIDA GUNNERS



Quail-trained dogs were puzzled by big birds that might run or might have to be kicked up.



This is the scene of hunters' dreams: one dog frozen "on game," the other honoring his point.



# SEE FLORIDA—

By GEORGE X. SAND

WHEN FLORIDA OPENED its first pay-as-you-shoot public hunting preserve last fall at Newberry, near Gainesville, in the north-central part of the state, many local nimrods seized the opportunity to draw bead on a game bird they had never hunted before—the ringneck pheasant.

Florida's favorite feathered target is the bobwhite quail. In fact, down here, you don't say "bobwhite," or even "quail." You just say, "I'm going bird hunting." Ringnecks were a different story. As one native son put it, "After the bird-hunting I'm used to, these cussed things seem too big to miss—but mine kept right on going!" Bobwhite-trained dogs were equally bewildered; these big birds didn't act "right" on the ground either. Like pheasants everywhere, one would run like a rabbit, refusing to be pointed; another would cling close to cover, blasting up directly in front of, or even behind, the gunner.

Most of the gunners, startled when the raucous chinks exploded so close to them, forgot to aim. Crossing shots looked easy, until misses exposed the facts regarding pheasant speed. But everybody enjoyed it; and patterns began to find targets.

Preserve operator Leonard "shorty" Watson, himself an ardent sportsman, was pleasantly surprised by the enthusiastic support given the experiment during its first six-month season, from October 1 to March 31. Hunters who expected preserve hunting to be "like shooting chickens in a henyard" found Watson's weather-conditioned and flight-trained birds as easy to miss as any. Shots were longer, too, after one day's shooting.

Bobwhite quail and mallards were alternate offerings on Watson's fee-shooting game farm. Next year, chukar partridge will be added. Hereafter, Florida vacationers will find something new added to their sun-sand-shooting holiday. Bird hunting in Florida has taken on new meanings. 

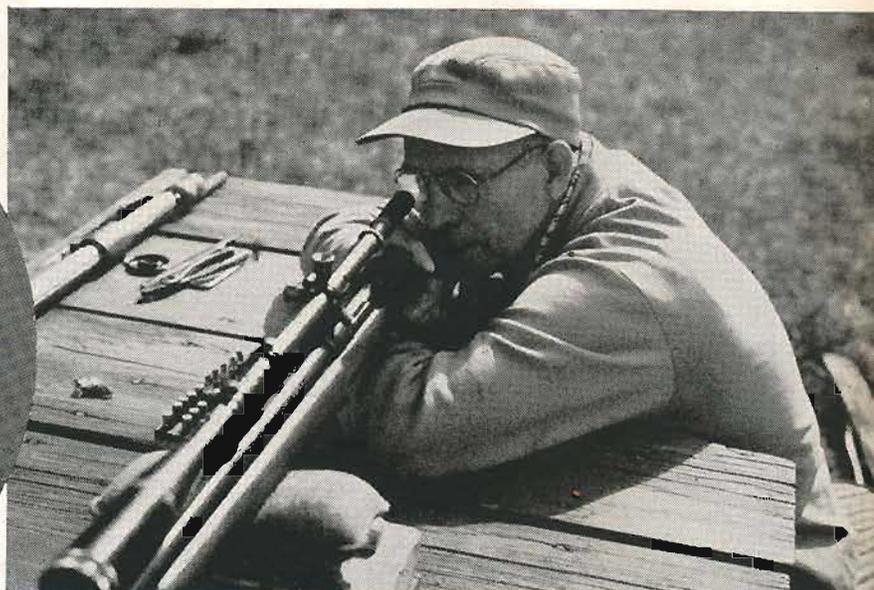


"Big quail," as Florida bob-white fans called game-preserve pheasant, prove surprising and elusive to shotgunners.

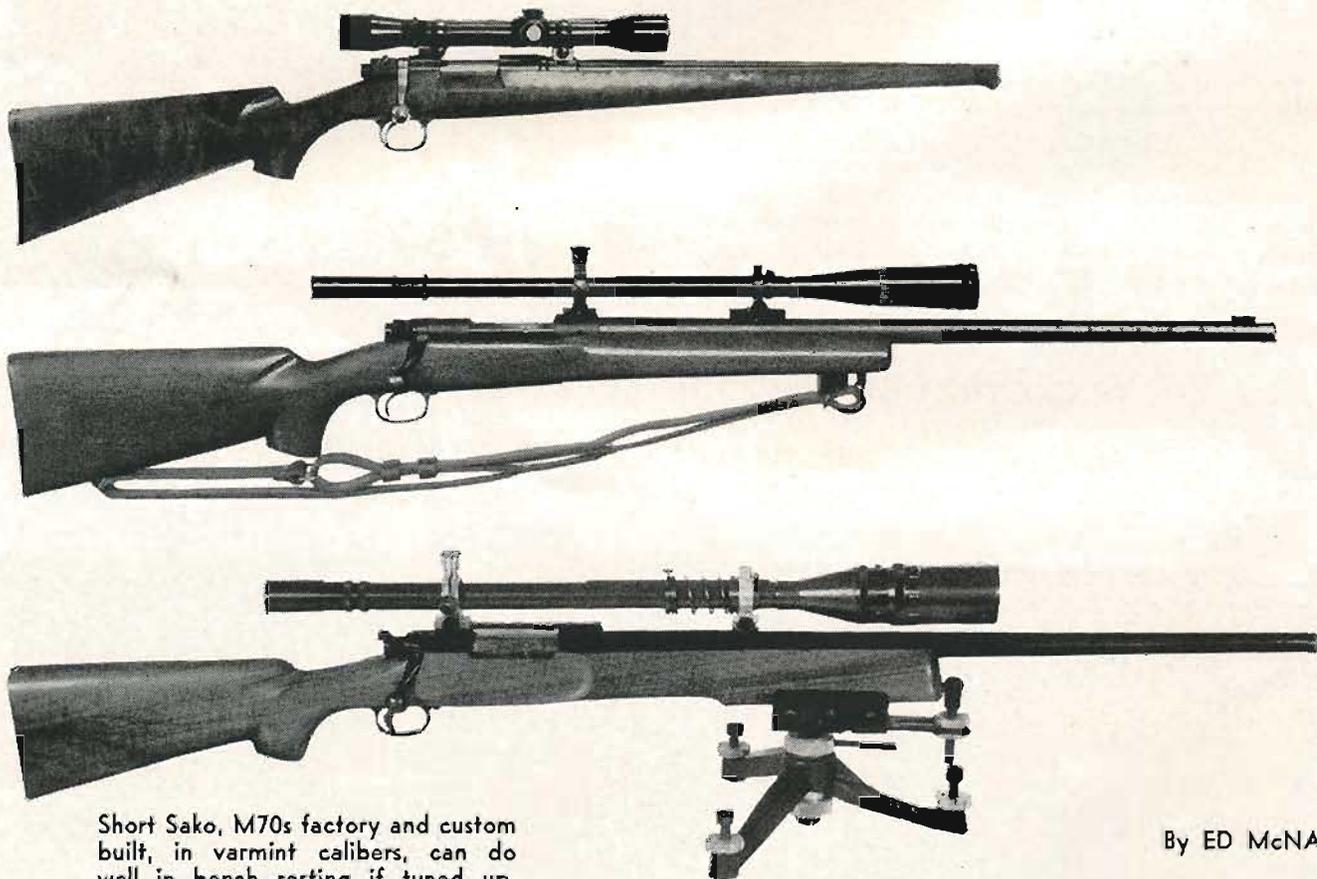
# and RINGNECKS TOO!



# Bench Rest TIPS FOR Better Hunting Scores



Rochester, N. Y., bench-rester Ted Boughton shows good position of hunting rifle for B-R use. Varminter has standard stock, shoots best when held firmly on bag.



Short Sako, M70s factory and custom built, in varmint calibers, can do well in bench resting if tuned up.

By ED McNALLY

**T**O MANY HUNTERS, benchrest shooters are a bunch of odd-balls, punching meaningless holes in paper targets with impractical, expensive equipment. They admit that the group sizes shot in benchrest competitions today are rather startling, but—what's the value of it?

Actually, most benchrest shooters are active, practical hunters—odd-balls only in about the same degree that most gun-lovers are slightly “tetched”; and most of the practices used in obtaining accuracy at the bench can also be used

to put “Ol Betsy” in more reliable condition for varmiting or big game hunting.

Just what is accuracy?

A few years ago, a leading British Arms authority set three minutes of angle as about the ultimate to be expected in rifle accuracy. That means three inches, center to center of the two widest shots, at 100 yards.

New military rifles, shot from a bench, that will group in six inches at 100 yards. (six minutes of angle) are accept-

able by inspection standards. Many will do better, of course.

Custom-built rifles and super-grade target rifles that group in one minute of angle (one inch at 100 yards) are premium rifles and command premium prices.

It's always dangerous to make broad general statements, but it is my belief that the great majority of hunting rifles, in the condition in which they are used, will not group better than seven to eight inches, center to center of the two widest shots, at 100 yds. With such a rifle, even the most expert shot, in the steadiest of positions, could not consistently make a heart shot on a standing deer at 200 yards.

Lets compare these degrees of accuracy with benchrest rifle accuracy.

As this article is being written the established records of the National Bench Rest Shooters Assn., Inc., are as follows, measuring from center to center of the two most widely separated shots:

5 shots	100 yrs.	74/1000ths"	or	.074 min. of angle
10 shots	100 yds.	196/1000ths"	or	.196 min. of angle
5 shots	200 yds.	275/1000ths"	or	.1375 min. of angle
10 shots	200 yds.	401/1000ths"	or	.2005 min. of angle

These record groups are exceptional, but they at least indicate the degree of accuracy possible with a rifle properly tuned and properly shot under ideal conditions. At any of the better benchrest shoots of today, the winning target for any individual match is usually well under  $\frac{1}{2}$  minute of angle and many of the better rifles and better shooters will maintain a season average of under  $\frac{1}{2}$  minute of angle, especially in the 100 yard events. (Continued on page 44)



Paper shims stabilize action in stock, allow tightening all guard screws firmly without setting up stress in receiver. Author recommends cutting out barrel groove.

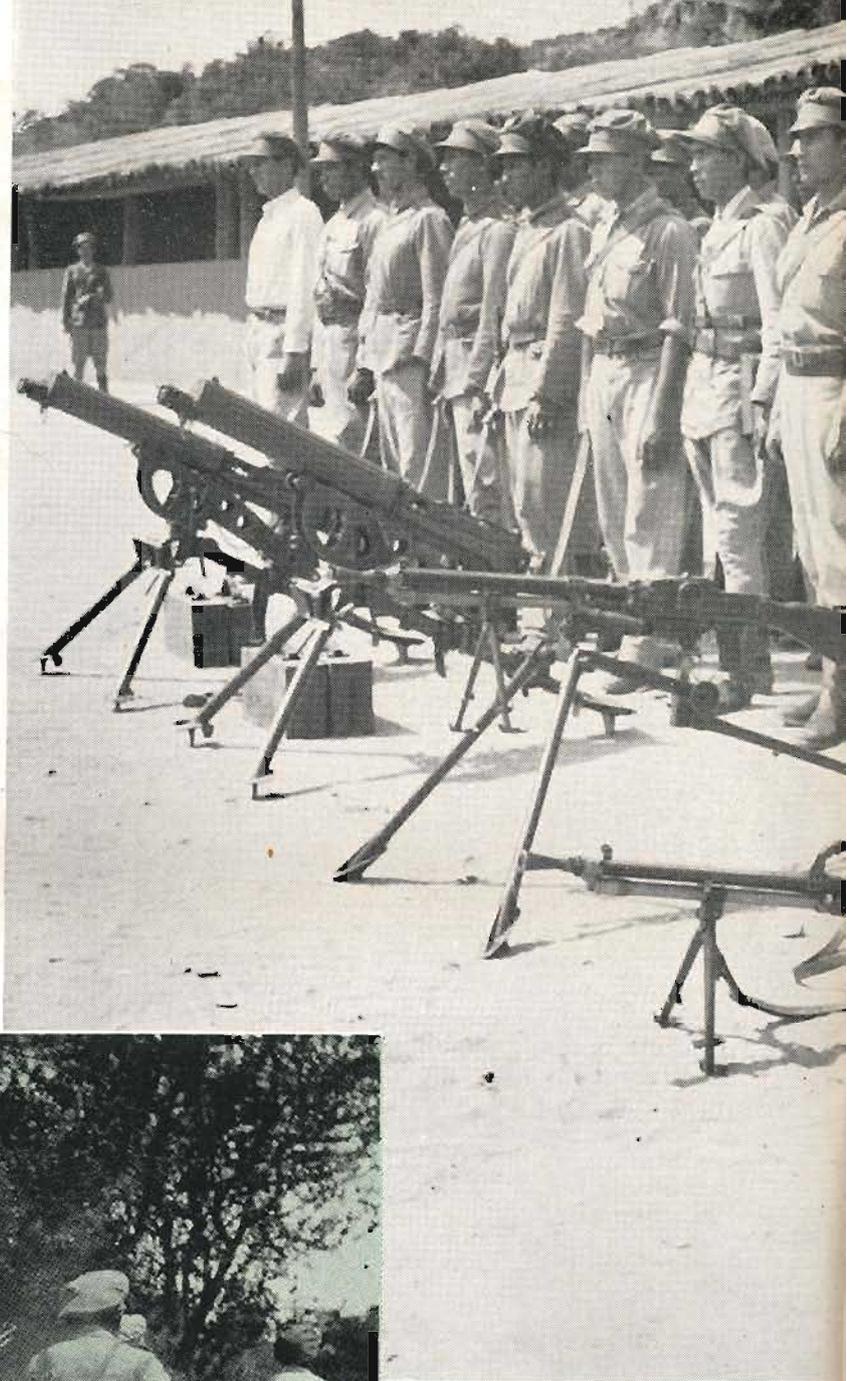


## TRICKS THAT GIVE PINPOINT ACCURACY TO BENCHREST RIFLES CAN BE INVALUABLE ALSO TO VARMINTERS AND HUNTERS



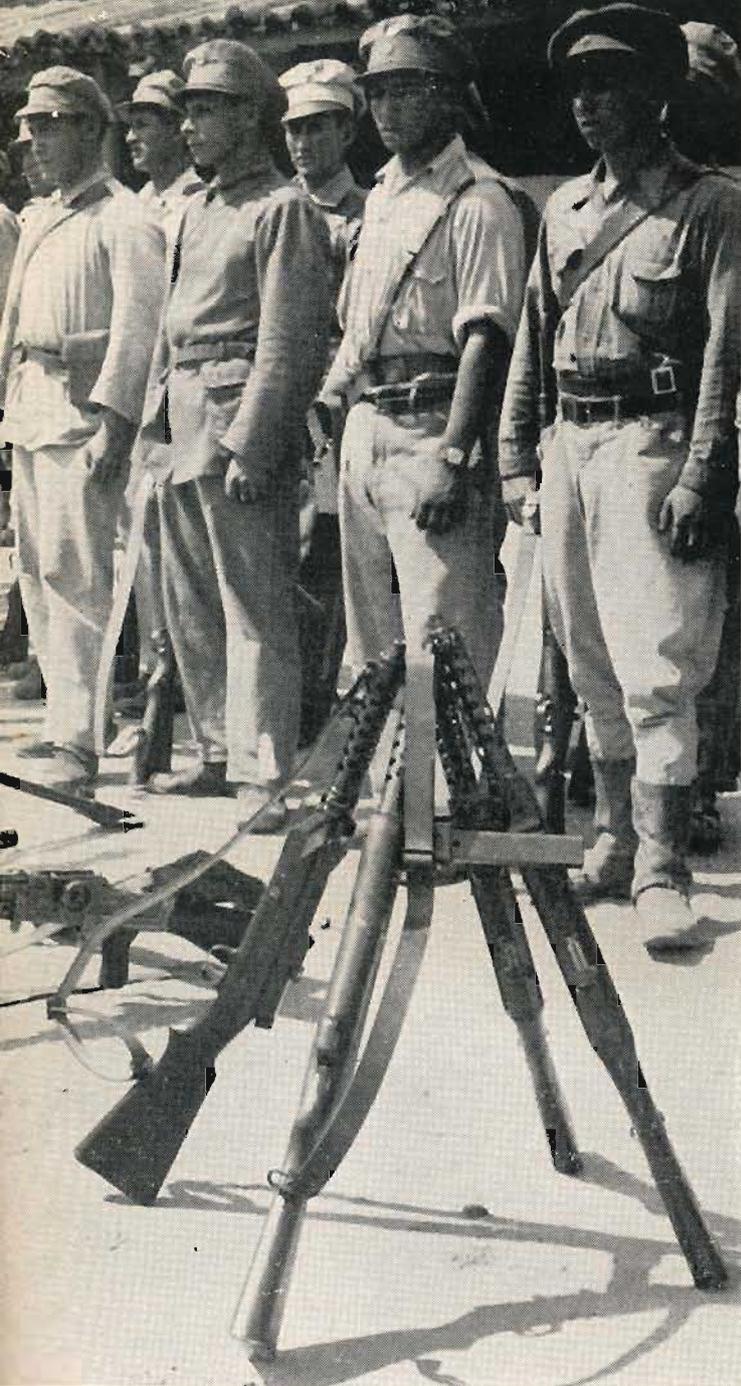
Many handloading tips are religiously followed by bench resters in search of accuracy. Here Boughton uses special multi-peg tool for various calibers to check case neck thickness before reloading. Above, loose hand hold with heavy bench rest rifle.

# Guns in the "GREEN HELL" Of the Chaco



Chaco dust: feet, bullets kick it up as Bolivians scurry across beaten zone. Above, Bolivian company had great firepower, using Vickers-Maxims, Brnos, and Austrian 9mm Solothurn SMGs.

**RUSSIAN AND EUROPEAN OBSERVERS  
STUDIED FIELD PERFORMANCE OF WEAPONS  
IN A WAR WE YANKEES OVERLOOKED**



Bolivians had to buy Solothurn 15mm anti-tank rifles to fight own armor taken by Paraguay.

By KURT SEVERIN

FROM WITHIN THE TREE, I watched a machine gun nest being wiped out. Yes, from within a tree. The cork-like *palo borracho* (drunken tree, so called because of its shape) is a freak vegetation of the Gran Chaco. It may be hollowed out quickly with a machete. The soft bark absorbed unfriendly bullets like a protecting matting. It made an excellent look-out or sniper station and, for me, served as a safe camera post, as I observed the Bolivian side of the Chaco War, 1932-35.

When the shooting was over, we found, as usual a few dead *pilas* (as the Paraguayan soldiers were called by our side), a few scared survivors, and machine guns and auto-

matic rifles from our own arsenal, taken by the enemy in previous encounters.

The switch of weapons from the well-stocked Bolivians to their pauper adversaries was the great irony in this senseless and bloody struggle which raged across the hottest most unfriendly part of the South American continent. Erroneously called by writers the "Green Hell," the Gran Chaco is actually a flat, dry, desert triangle, west of the Paraguay River. The thorny palm and brush patches are interspersed with steaming forest tracts and swampy lowlands.

It is this geophysical character which made the Chaco struggle so important for future reference, a testing ground for modern weapons and tactics.

To watch and learn, there were military observers from Germany, Czechoslovakia, and other foreign powers, along with a group of Russian officers. But there was only one lone member of the U.S. Armed Forces, a Captain Sharp (1933). America's interest in the death-struggle of these two nations was slight. In fact, I was the only "overseas" reporter admitted to the Bolivian side, joining its army as a temporary officer.

But there was plenty of evidence that American salesmen had been at work. From World War I surplus uniforms, still featuring U.S. Army buttons, up to the latest type of Curtiss Hawk fighter planes, the Bolivians had been sold a complete line of U.S. combat merchandise. From the

# "GREEN HELL"

Soft cork-like tree of Chaco was hollowed for Severin to use as observation post. The Bolivian soldier has Schmeisser MP 28-II.



looks of it, we just delivered the poison, then turned our backs in order not to see what damage it could do.

Against wealthy Bolivia's relatively up-to-date army, equipped and trained by such efficient Prussian *militaires* as the notorious Ernst Roehm (commander of Hitler's S.A. storm-troops) and General Kundt, stood a poor and unprepared Paraguay, still suffering the effects of a devastating war fought 70 years before. Its small force had mostly obsolete weapons. Its assets were courage, fighting spirit, and first-hand knowledge of the Chaco. Its leaders were patriots, not imported, salaried soldiers. Their commander was the "Chaco Fox," Estigarribia, the real hero of the war. He had learned his fighting ABC's in French military schools.

When I interviewed General Kundt in Bolivia several years before the conflict, he said confidently, "If the Paraguayans ever dare to take up the Chaco issue again, I shall not waste time on a war; I shall make a military walk-



Paraguay cadet shows Bolivian 7.65 "mosqueton" with grenade launcher, preserved in Asunción museum.

over right to their capital of Asunción, and settle the question once and for all." At that time I was pretty sure that he knew what he was talking about.

The Chaco issue was an old, muddled one. Bolivia based its claim on some old parchments, royal Spanish decrees of 1559, which would legally include Paraguay's Chaco Boreal section within its boundaries.

On the other hand, Paraguay pointed to squatters' rights which had made its Guarani Indian population for all practical purposes the owners, since they had cultivated the territory for several generations. Discovery of oil, not in the Chaco but at its borders, shortly before the outbreak of the war, fanned the blaze.

Whatever the reasons, thousands of indifferent, stupefied Indians had to carry on this dispute from which they could expect no other reward than suffering. The Paraguayan soldiers, mestizos of Guarani Indian extraction who spoke only their native tongue, were fighting the Quechua and Aymara Indians from the Bolivian highlands some 1400 miles away. The ancestors of the latter, the Incas, had tried in vain hundreds of years before to annex the wild and hostile Chaco to their vast empire. Weakened by the long trip and by tropical diseases, these boys from the Andean plateaus, who had never seen a forest in their lives, fought in a hot and strange land against an invisible guerilla killer. Their Paraguayan foe had been born "to love and to fight," and had lived all his life in this kind of hell. He knew its nature and its dangers.

With an arms embargo by the League of Nations hanging over both countries, their armies were stuck at first with the catalogue items sold in time by the large American and European ammunition factories. Bolivia had an almost up-to-date mail-order assembled arsenal. By virtue of its flourishing tin ore export, it could negotiate for a steady flow of replacements and novelties.



Danish LMG got full field test along with arms of many nations in Chaco dress rehearsals for jungle war. Gun was named Madsen after the Danish War Minister.

Paraguay had nothing worth mentioning. Yet, strangely enough, this little country had once been able to make some excellent pieces of artillery, especially during the years from 1856-70 when it was engaged in a death struggle against a triple alliance of Argentina, Uruguay, and Brazil. The nation had emerged from this self-inflicted disaster with its male population reduced to 26,000 men. I had seen some of these guns, now historic war trophies, in the museums of the victorious countries. I also have seen, in Rio de Janeiro, an amazing three-barrelled machine gun with this engraved data: MADE BY WILLIAM WAGNER IN ASUNCION, PARAGUAY, 1864; in other words, only two years after Dr. Gatling had invented the first efficient multiple-shooter in Chicago.

Paraguay's top individual equipment was the machete, the jungle knife, manufactured by the War Arsenal in Asunción; an item completely alien to the Bolivian highlander. In the hands of a Guarani it became part of his

life and body, not only indispensable for hacking roads through the Chaco, but excellent to shave with and for cutting a throat if necessary.

The rifles which Estigarribia's troops carried at the outset of the hostilities, were of dubious quality. Those sold by the Fabrique Nationale (Herstal, Belgium,) the 7.65 Belgas Mod. 1927, invariably got too hot, once in action; and the Spanish Mod. 1895—type made at Oviedo showed a tendency to explode in the hands of the warriors because they were stuffed with cartridges too strong for the barrels.

Bolivia issued conventional 7.65 Mauser carbines, called *mosquetones*. These became standard for both sides as soon as quantities fell into the hands of the Guarani, especially after the retake of Boqueron. These were of the Czech model of 1924, Mauser System.

From 1933 on, Paraguay laughed at the arms embargo and pointed out that Bolivia, steadily retreating, was its best and legal supply for all battle (Continued on page 40)



German cartridges (typical headstamp: DWM 19 K 33) went to Chaco for use in Czech-type Mauser carbines.



Against light Yankee bombing planes, twin Oerlikon 20mm automatic anti-aircraft cannon were first used in warfare.



Seldom-seen Vickers Berthier was Hotchkiss-like adaptation by English firm used in Chaco. British took Brno over Vickers in 1935 as Bren Gun. Rt: Severin, Browning (Colt?) in Junkers.





# Browning Rifles Get OK By Keith

Lifetime of field-testing gives Keith sharp insight into merits of new rifle among highly-competitive bolt-actions.

By ELMER KEITH

**T**HE ANCIENT and honorable firm of Browning, long known for its fine over-under and autoloading shotguns, has recently entered the high-power rifle field with a complete line of fine Mauser-type rifles, beautifully finished, in calibers from .243 Winchester, .264, .270, .30-06, and .308, up through Magnum calibers from .300 H & H, .338 Winchester, .375 H & H, to .458 Winchester Magnum. Like the company which makes them, these rifles are straight shooters. Browning can well be proud of them; and that they are proud of them is shown by the painstaking care with which they are made.

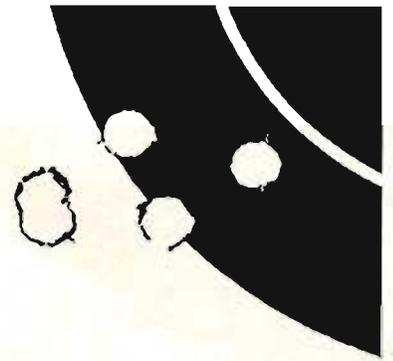
The .243 through .30-06 rifles are furnished with 22" barrels with the exception of the .264, which has a 24" barrel. The .300 H & H through .458 calibers come with 24" barrels. The weight of the .243 and .308 rifles is 6 pounds 12 to 14 ounces. The .264, .270, and .30-06 rifles weigh 7 pounds 2 to 4 ounces; and the bigger Magnum calibers all weigh 8 pounds. This puts them all within the light, easy-to-carry category popular with today's hunters. All have four grooves; are profiled with two gradual shoulders, one a couple of inches ahead of the receiver and the second just forward of the rear sight.

The rifles are fitted with good ramp hooded front sights



Rock busting or targetting, Keith finds Jeep good substitute for bench rest. Browning held under 1" at 100.

**THE BROWNING NAME, HALLMARK OF QUALITY IN  
SHOTGUNS FOR DECADES, NOW  
APPEARS ON A LINE OF FINE RIFLES IN A SELECTED  
ASSORTMENT OF CALIBERS FOR HUNTERS**



of bead type. The ramp is silver-soldered to the barrel. The rear sights are a fully adjustable, flat top, open pattern, mounted on a rather high base screwed to the barrel, with screw-driver positive adjustments both for windage and elevation and a well marked scale for each. A white diamond or pointer set in the rear face of the rear sight helps line it up with the bead front for fast shooting.

The front hood is large enough so that it is not necessary to remove it for hunting. The iron sight line is high, giving the shooter almost the same line with iron sights as with a scope. In reality, of course, the iron sight line of sight is lower than that of the axis of the scope, but it is high enough to give the shooter comfort when cheeking the Monte Carlo comb stock. It is a very good fool-proof arrangement when the rifle is fitted with any good quick-detachable mount and a hunting scope.

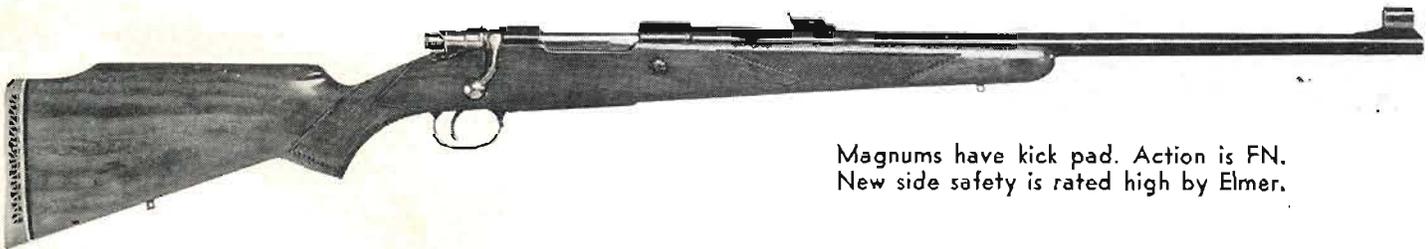
The action is the latest F.N. Mauser, refined with a new bolt stop, different from those we have seen before. It is much smaller, neater, less bulky and heavy, than the old conventional Mauser bolt stop, and does not project out from the rifle as the old one did. Cocking piece and head are the same as the 400 F.N. Mauser series, eliminating the old wing safety.

This rifle by Browning has the best safety we have yet seen on any bolt action rifle. It is positioned on the right side of the bolt sleeve, same as the 1917 Enfield and many early Remington models. It is a flat plate with a raised checkered knob at each end, and it works in an arc. The

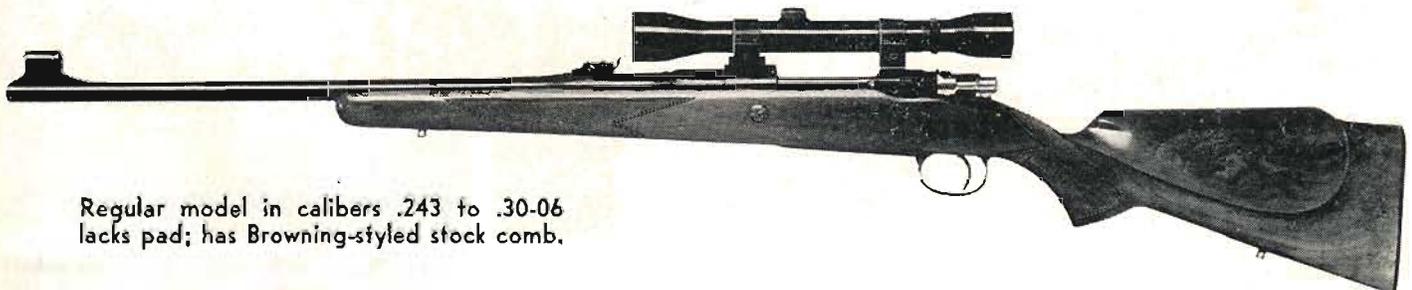
whole thumb piece is set down into a cut in the stock so that it does not project high enough to be caught by twigs, limbs, or clothing and moved accidentally. The fact it works on an arc further prevents it being moved by a straight blow or push. In operation, you press down on the front end of the safety as you move it forward to release safety, and you press down and back to put the safety on. When safety is forward in firing position, a red dot inlaid into the stock mortise is visible.

The safety locks both sear and trigger as well as the bolt handle, and it is silent. It is a three-position safety. To the rear, everything is fully locked. In the midway position, the trigger is locked but the bolt may be manipulated. When fully forward, the rifle is free to fire. It is neat, unobtrusive, perfectly positioned, absolutely silent, and has a long enough movement so that it can be worked positively without taking your eyes from the game. Many other Mauser side safeties have so slight a movement as to leave one wondering if the rifle is on safe or in firing position. I am 100% for this new Mauser safety; it's a peach.

Receiver is the regular large ring F.N. action. Magazine follower is well polished and the magazine feeds slick as grease. Bolt handle is, of course, made for low scope mounting. Floor plate is hinged with quick release button in the front end of the trigger guard. Magazine bottom and trigger guard have a minimum of gold-washed hand engraving to relieve plainness. (Continued on page 64)



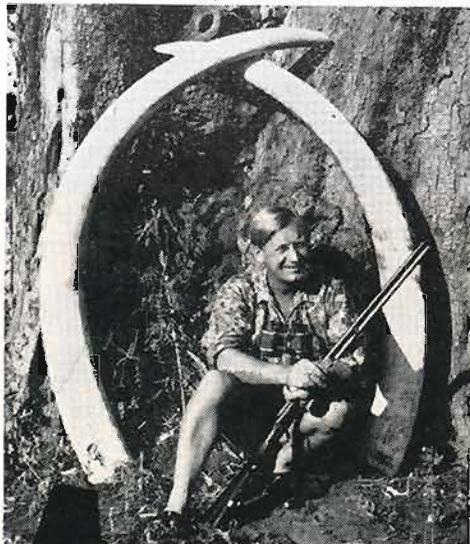
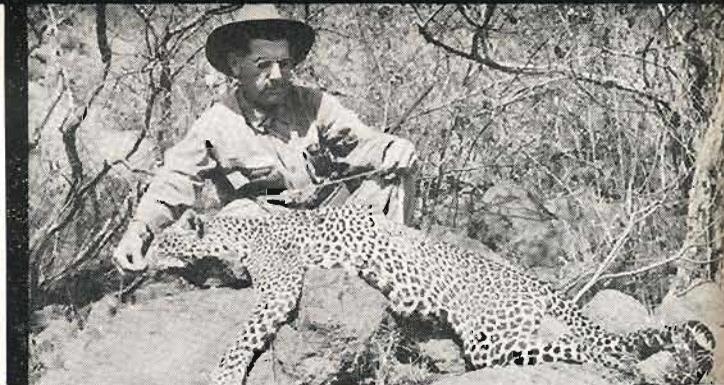
Magnums have kick pad. Action is FN. New side safety is rated high by Elmer.



Regular model in calibers .243 to .30-06 lacks pad; has Browning-styled stock comb.



Plenty of Land Rovers, but game is less abundant in Uganda. Baiting lions is now tabu in some areas. Above, right, old Leo is varmint in Uganda but still shooting is controlled. Askins tapes leopard of Al Pope, H. M. Pope's grandson. Below, white hunter Doug Collins with big ivory.



By COL. CHARLES ASKINS

# African Game Trails, 1960

BONANZA DAYS ARE GONE BUT LIONS FLOURISH AS  
VARMINTS IN LESS-HUNTED UGANDA REGION OF AFRICA

EVERY SPORT who treks off to Darkest Africa has a lion in his sights. The Dark Continent boasts what is generally referred to as "The Big 5" in trophies: elephant, lion, rhino, buffalo, and leopard. These are the major critters, the dangerous game, and all are tops in the hunter's 'must have' list. But talk to him and he'll tell you that Old Leo tops 'em all.

It isn't all beer and skittles bringing the King of Beasts to bag these days. There just ain't a lion behind every bush anymore. This will be denied by some, accepted as half-truth by others, but it is sad fact nonetheless. As a matter of fact, Leo has gotten so scarce in Kenya Colony a damper has been placed on his taking. No more baiting. And that's quite a damper.

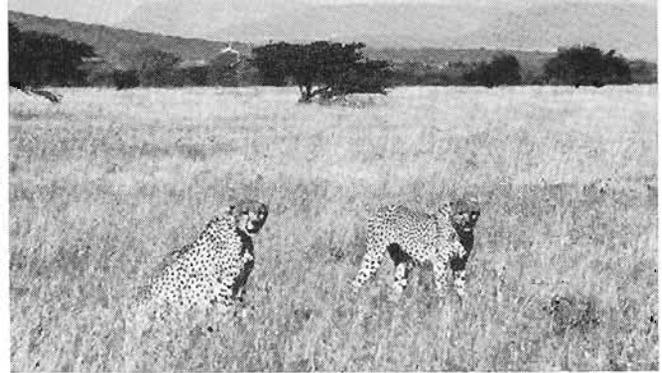
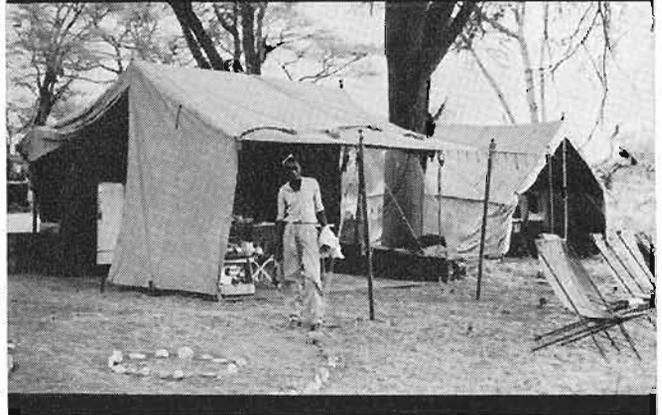
The great feline has an unholy appetite for zebra, kongoni, Grant's, or other meaty plains dwellers, and he seems to like it strung up in an accacia. The breezes waft the savory tang down wind and here comes a pride of big cats. The white hunter thoughtfully builds a blind within a pistol shot of the dinner, and the sportsman gives the Old Man of the pride his lumps from the haven of this leafy bower. It is all very simple. Except the Kenya Game Department has now said this kind of lion taming is verboten. This forces the hunter to hunt; a thing many have resisted.

Lion can still be shot in the colony but the prize must be taken catch-as-catch-can, that is to say, by tracking, waiting over a natural kill, or just through sheer good luck. The average sportsman is a man in a hurry. He's got to get his lion and get on up into the NFD for elephant, buffalo, and rhino. He can't stick around to slowly and laborously work out a lion spoor. As a result, he comes away from Kenya without the trophy he most wanted.

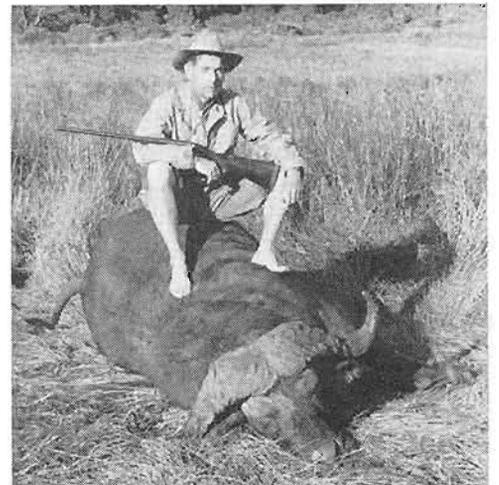
In neighboring Tanganyika, the Serengetti Plain, a veritable happy hunting ground of game-life Tanganyika, was once the spot where the in-a-hurry hunter could expect to see forty lions and pick the old Tom with the longest, heaviest, blackest mane. But not any more. The biggest part of the Serengetti is now in a reserve, off limits to the shooting clan. Those portions that are not yet gobbled up are under the shooting block system and, while it is rumored these areas will be opened at least temporarily, it has not been done as these lines are written.

In Southern Tanganyika it is another story. This vast portion of a vast country has not yet been reduced to what the limeys refer to as "Control," and here is game in plenty. Including some lion.

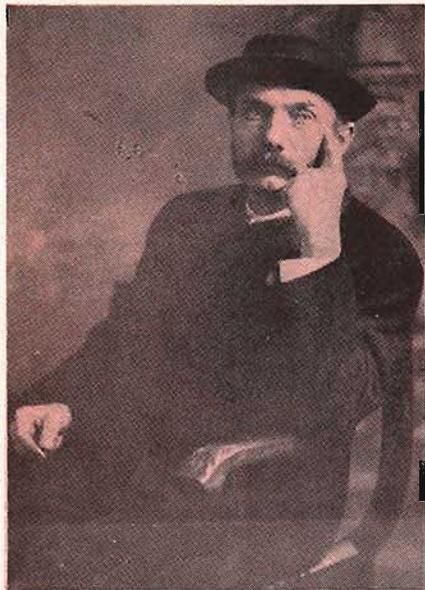
The going-to-Africa Yankee had better steer his shooting ship in the direction of Uganda if he is dead set on old Felis Leo. Up until short months ago, lions were such a damnable nuisance in this little-known colony that they were classed as vermin. You could shoot either sex, and one before breakfast every morning, if you liked. However, with typical game department contrariness, just as soon as it became apparent that American sportsmen were going to flock into this third colony of East Africa, the limit was promptly slapped on the King of Beasts. It wasn't that there were any fewer cats; it was simply a matter of economics. The American shooter, who represents 90 percent of all the visiting huntsmen, must carry the burden of the game department's budgetary load. But to be completely sure of bagging a lion these days, Uganda is a virtual must. Leopard are also around in numbers, and they run markedly larger than any where in the Kenya-Tanganyika-Uganda complex. (Continued on page 52)



Bird shooting in Africa is fabulous. Middle, Hollywood accommodations are routine on safaris to "one standard." Cheta, rhino are among "Royal Game" on protected list.



Col. Chas. sits atop a trophy bull, shot by double rifle, on slopes of Mt. Kenya.



**Dr. MANN:**

# FATHER OF BALLISTIC SCIENCE

**HIS WORK, IGNORED AT HOME, USED  
WITHOUT HIS KNOWLEDGE, AIDED HIS  
COUNTRY'S ENEMIES IN TWO WARS**

By WARREN SIPE

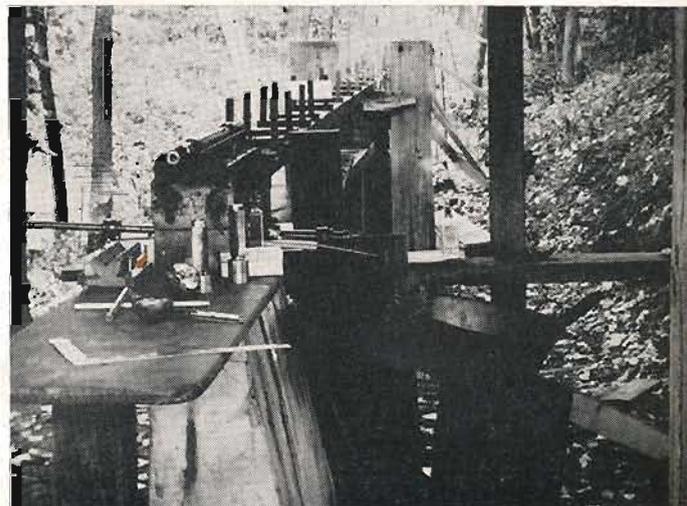
**I**N ARMS FACTORIES, in ballistics laboratories, is an indispensable device: a heavy slab of steel, machined to a V, resting on a concrete pier separate from the building foundations. This vibrationless cradle is known as a "Vee rest"; but those ballisticians who give it the true name, The Mann Rest, pay tribute to the man who laid the foundation stones of modern ballistic science. Often named, but little known, Dr. Franklin Ware Mann at the turn of this century began the modern era of rifle study by his endless, patient research into the "why?" of bullet performance.

"Dr. Mann was a pioneer ballistician who spared neither money nor time in his quest for the truth," said C. B. Lister, former Executive Director of the National Rifle Association, in a biographical profile published in 1950. "But little has been written about him, and most present day riflemen are unacquainted with the man and his book." Mann's experiments were published in 1909 in "The Bullet's Flight," but his studies did not cease then. He continued his work and later efforts, so the rumor goes, were set down in a further manuscript "burned by his wife after Mann's death."

With much of the lore lost in legend, Dr. Mann today is but a shadowy substance from which to reconstruct history. He was, that is, until one day recently when my wife brought into my office a small and very alert elderly woman. The weapons on the walls immediately caught her eye; her face brightened, "Oh, my father used to have a lot of guns. He was Dr. Mann. Have you heard of him?"

My visitor was none other than F. W. Mann's daughter, Gertrude, now Mrs. Willard Lewis and, unknown to me till then, my neighbor. She it was who wrote the warm sketch of her father which prefaces the second Standard Publications edition of his book. From her I learned fact to dispel legend, anecdotes to give shape to the personal story of Dr. Mann.

Born to Levi and Lydia (Ware) Mann in Norfolk, Mass., July 24, 1856, young Frank grew up on a New England farm. There was a saw-mill, and it and the farm machinery were a challenge to him to understand tools, machinery, and how things worked. At high school in Walpole he was drawn into the argumentative current of the times, debating



Original Mann rest was on concrete. Uprights held yaw card to test tilt of bullet. Cylinders are screw-on breeches.



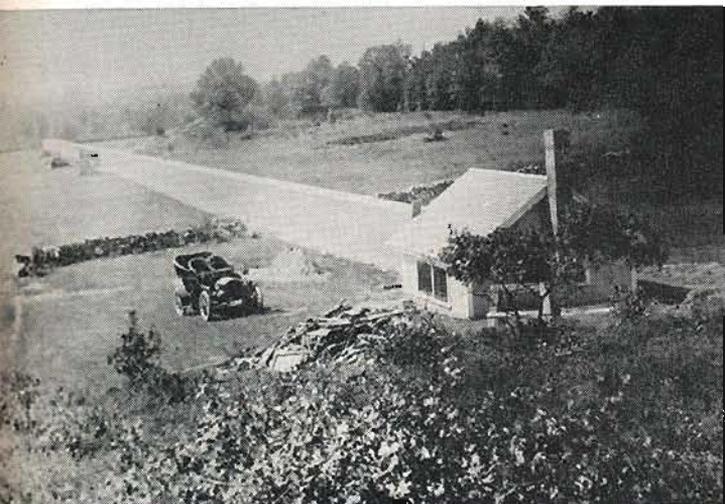
Niedner (campaign hat, at scope) spots for back-position shooter who is using paneled Sharps Borchardt SS rifle.

religion and the rights and duties of citizenship. This plunged him into thorough studies of history, politics, law, economics. But what brought him into the circle of rifle-men was that episode so common to all shooters as to be almost a mark of manhood: when he was 12, someone gave him a rifle.

It was a hefty 12-pound .44 with a 41" barrel, probably a muzzle loader. In his spare time he would go to the "shed chamber" above where the farm equipment was stored and there, high up, fire at a target outside. The bullets perversely would not print into the same hole in the target.

To his analytical mind, this was not reasonable. It was accepted as a fact that with similar bullets fired from the same barrel from a common base in a vise at the same target . . . well, like conditions should produce like results. Somewhere, an error existed. For the rest of his life, this "X-error" haunted him: why would a gun not shoot exactly true?

Attending Cornell for a Bachelor of Science degree in 1878, he worked on one problem that helped him to solve



Shiny new Cadillac 1906 took Dr. Mann up and down range in rifle tests which took fortune, left legacy of fact.



Octagon Stevens with bent tang, shooting stick, custom Ballard (?), thick-wall Stevens (?) were Mann's rifles.

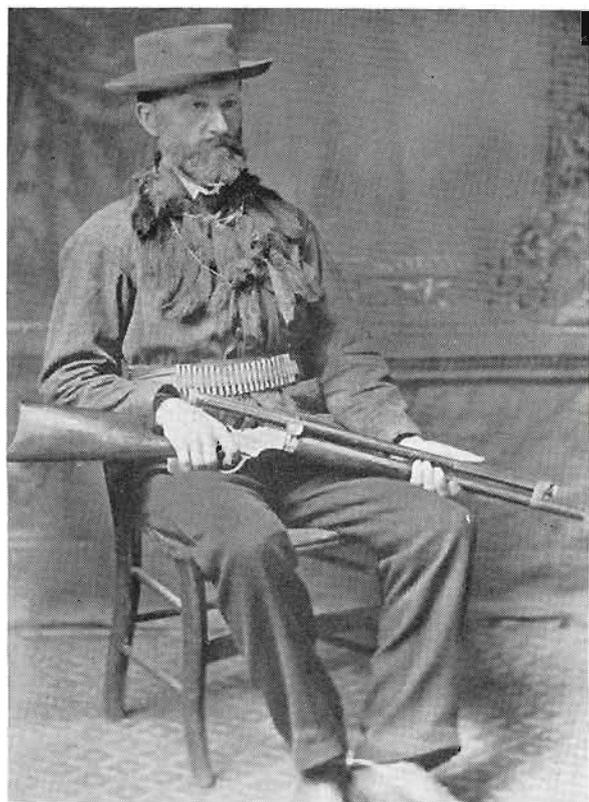
the X-error. He deduced why a top would not spin more than 20 minutes when friction drag was negligible; built instead a top that spun under glass—and before his professor's astonished eyes—for two hours and fifty-seven minutes. It was not until years later, however, that he associated this gyroscopic spin with the spin of a bullet. Then he and A. O. Niedner were to make bullets costing a dollar-and-a-half each, so precisely were they machined, to solve for X-error.

From Cornell, Franklin Mann went to the Boston School of Medicine, got his MD. During the next four years he lived as a general practitioner and obstetrician. But the ills of the flesh were not to his liking: somehow he preferred working with steel and wood. At this time, his father died. With the modest legacy (he was one of four brothers) he set up a little shop where he sharpened knives and lawn-mowers. In this lies some clue to Mann's nature: physicians in those days, more than today, were required to learn how to sharpen their own knives and saws. Mann, even as a physician, preferred the mechanical problems, and his shop gave him leisure and space to work them out.

There was a commercial demand, in that winter of 1888, for ground up fresh bones as poultry food. Enormous



Rifleman Mann and riflsmith Pope set up bullet trap at the doctor's range. Harry Pope barreled many of Mann's guns.



Pen-pal and antagonist of Dr. Mann, E. A. Leopold sits with scoped Stevens and gopher tail necklace.

quantities of bones from butchering were going to waste because of the lack of machines for processing it economically. The shooting doctor's friend, Dr. N. E. Paine, noted:

"Dr. Mann, disregarding all methods of grinding green bone, hitherto so unsuccessful, very quickly produced an experimental machine on entirely different lines from anything thus far known. . . In 1889, he produced his famous Bone Cutter which has given him his reputation and success." Thus at 37 he gained financial success: he now could find out why a bullet would not fly true.

Mann, successful from the bone chopping machine business, had married Miss Frances Gertrude Backus of Ashford, Conn. This is not a digression: of French descent, Miss Backus was a member of the old Burgevine family, a niece of General Burgevine who was a West Point man and who later lost his life in the Boxer Rebellion. A relative was Count De Bussy, a Bishop of the Catholic Church. These were kindly people, given to the service of the nation and mankind. They responded to like personal qualities of Dr. Mann. He, too, was a kind man, and sensitive.

His children were always first in his mind. One day he brought home a donkey, its leg broken. He had been called in to destroy the animal, but his nature would not permit him to kill it, and his training as a doctor made him want to heal it. He devised a new way to mend the break. In time, the children had a new pet. The donkey shared affection with two glib parrots he had taught to cackle for the amusement of the children. There were other pets: white rats and guinea pigs, angora rabbits and Dorset sheep, horses and cats, many cats.

Gertrude Mann remembers with tenderness the way her father used to read to them. After a reading, methodically, her father would note the date. "Snow White," she said, "had six reading dates. It was a favorite of the whole family."

Kindly Dr. Mann was also an exacting person. A cracked plate would offend him. At home, served food on such a plate, it might end up shattered against the wall. "Haven't I told Mother to put all cracked dishes in the trash? Surely she must realize that the cracks are filled with germs," he would scold, but not in real anger.

Like all men who search to find, he understood time well. There was so little of it, yet so much to be done. Again and again he would repeat an experiment. Once when he returned home late in the evening, face drawn, fatigued, his wife asked, "Why didn't you come home and eat lunch this noon, Frank?"

"Frances, when I come home, I eat; when I eat, I get sleepy. When I'm sleepy I can't work," he complained. "Then I waste time." But he had long before learned to control his emotions, and his speed, in working an experiment. Anxiety or impatience could destroy an end he sought. "It didn't go well today. . . I had to make a seventh start. . ." he might remark. But there was never discouragement in his voice, only disappointment.

Maybe to save time, maybe just in thriftiness, Dr. Mann formed the habit of buying pencils by the gross, paper by the quire, and common pins for the home in ten-pound cans. Once he purchased a dozen hats of a new French felt style he especially liked: twelve hats all alike. In the time he saved, he did the work of three men.

"But what has Dr. Mann left us of material value," you might ask. "Facts," is probably the best simple answer.

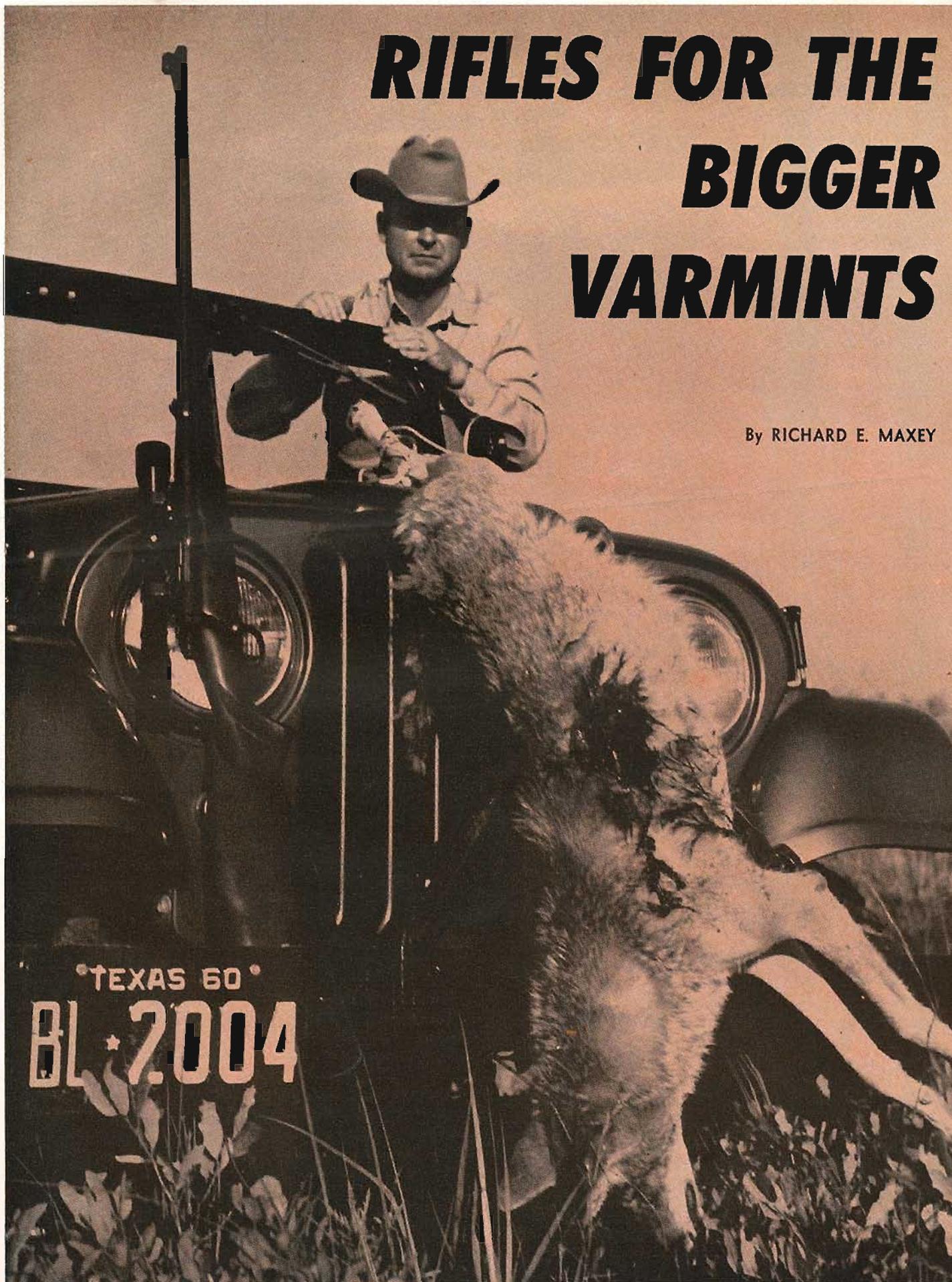
Have you ever wondered what would happen if you fired your rifle straight up? Would the bullet return to the muzzle, or would it deviate—how much? You probably never conducted the experiment. Dr. Mann did.

With plumb lines to guide him, he set up a Krag rifle on the end of a boat landing jutting 200 yards into the lake. The day was calm, but although he fired eight shots, not one came down in the lake, nor did any fall nearby on shore. They had drifted away.

Dr. Mann attacked "alibis." Between his more gainful experiments, he worked for four years to eliminate 60 reasons advanced by riflemen as (Continued on page 58)

# RIFLES FOR THE BIGGER VARMINTS

By RICHARD E. MAXEY



**ANY GUN WILL DO IF CONDITIONS ARE RIGHT, BUT  
FLAT TRAJECTORY AND WIND- AND BRUSH-BUCKING BULLETS  
ARE THE TICKET FOR TEXAS COYOTES**



Far-ranging .264 made calling coyotes seem hardly worth effort! Jap 10X Eikow scope tested is in Leupold mounts.

**T**HE CROSSHAIRS SETTLED on the big, wary coyote's shoulder. The sneering varmint was at least 400 yards away, eyeing me intently from behind the sparse limbs of the mesquite tree. This would be a shot to test both the shooter and his equipment!

With uncanny eyesight, he had spotted me at about the same time that I picked him up with my 7 x 50 Bushnell binoculars. On spying me, he trotted from the rabbit hole he had been investigating, toward the scraggly mesquite bush. There he stood, motionless, peering at me malevolently. The sight picture wavered slightly while I sucked in a deep breath: then the experimental Jap scope on the .264 settled again, this time firmly on the heart of the diabolically grinning rascal.

But a momentary doubt lurked in me, and I shifted the sight a little above the coyote's shoulder to allow for drop. As I started to squeeze that Model 70's trigger, a slight swaying of mesquite limbs between me and the target made me hesitate and think. Evidently there was a cross wind. The limbs were swaying gently.

"Must be about 10 miles an hour," I thought. "Have to correct a little. Wind will drift any bullet, even this one."

The uncertain crosshairs now seemed to come to a definite conclusion, and began to settle down about four inches above the middle of the prairie wolf's head. Since he was standing almost broadside to me, but with his head turned in my direction, with the wind hitting him squarely in the chest, this would allow for at least a foot of drift before the bullet could strike back of the rib cage, and another foot before it could miss him entirely.

As for drop, I was going right by the book. The rifle had previously been sighted-in to hit dead on at 300 yards. The gentleman with the pointed ears was approximately 400 yards away, and the ballistic data said that the bullet would drop approximately  $7\frac{1}{2}$  inches between 300 and 400 yards when sighted in for the lesser distance. Holding four inches over should cause the bullet to hit him from three to four inches below his spine, and allowing 12-14 inches for wind drift, I should hit him just about in his breathing apparatus.

"Dog-gone-it," I thought, "it's time to stop all this foolin' around, and touch her off!"

But what was that diagonal stripe running across the rib cage?

Carefully lowering my rifle, I reached for the binoculars again. The scene jumped out in perfect clarity. It was a limb, big as a hoe handle; but I couldn't wish it away. "This gun is supposed to be a super-something-or-other," I mumbled, "so let's find out."

I eased the long barrel back into position. Holding four inches above the beady eyes, and uttering up a prayer of thanks for long, flat-shooting, wind-bucking bullets, and a prayer of hope for the new .264 Winchester, I applied the last ounce of pressure needed to set off the potent missile.

But at the instant that the firing pin started to fall, before the shot had been fired but after it was too late to stop, something happened that I had not anticipated. Oh, I shot the coyote, all right. But what he did so surprised me that it set me to mentally reviewing all the popular big varmint loads I'd used before. And as I picked up the tawny dust-colored prairie wolf, I puzzled over my past experiences in the varminting field.

I had used many rifles, and killed coyotes with all of them, before getting this .264 lead slinger. My all time favorite up until now had been the 7 x 57 Mauser, hand-loaded with 160 grain Sierra boattail bullets, backed by 42 grains of #4895 powder. This had been a real coyote killer for me, but experience had proved that there were many other fine rifles capable of killing coyotes, and other large varmints. But, in my opinion, the selection of a firearm should depend upon the type of hunting, or shooting, that is to be done with it. In other words; does the hunter intend to stalk his game for close shots, or does he intend to take his shots as they come, including those extra long ones?



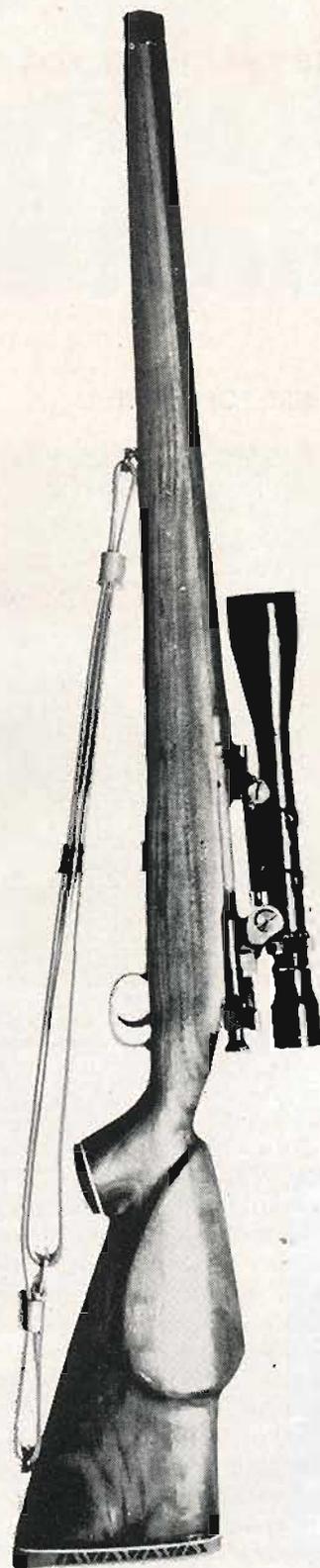
For big varmints: author's much-used CZ47 7mm with Supra scope; .22-250 Varminter; M70 .243 mounting Balvar; and slicked-up Carbine, Alaskan glass in Echo side mount.

I have known of coyotes being killed with a .22 rimfire rifle, but this is no proof that the .22 RF is ideal for killing coyotes. Its limited range and power are such that it shouldn't even be considered.

The .22 Hornet has killed plenty of coyotes, foxes, and the like, as has the .218 Bee and the now almost forgotten .219 Zipper. In recent years, the .222 has made quite a reputation for shooting smaller varmints. But all of these will prove inadequate for consistent killing of large varmints at long range. This is true for two reasons: few .22" bullets pack much energy at 400 yards and, because of their light weight, they are very wind-sensitive. I have seen phenomenal kills made with the super .22 calibers like the .22-250 and the .220 Swift. In my opinion, the bullets from these guns travel so fast that the wind just doesn't have time to affect them to the marked degree that it does the slower moving .22 caliber bullets. Nevertheless, there are many calibers with much better wind bucking qualities than the H. V. .22s.

More than once I have seen a blast from a .30 M1 Carbine knock a coyote off his feet, and keep him there. The range was always comparatively short, and the ammunition consisted of hot handloads with hollow point or soft nosed bullets. For shooting running coyotes, or foxes, at close range, in brush, I wouldn't ask for anything better. Unfortunately, many coyotes, especially the big, wise ones, never let a hunter get closer than 250 to 300 yards. A really man-wise one will make a .30 M1 Carbine useless, and even a good .30-30 obsolete.

*(Continued on page 62)*



Doc Walsh's Springfield is one of three all with B&L mounts for 1 glass.

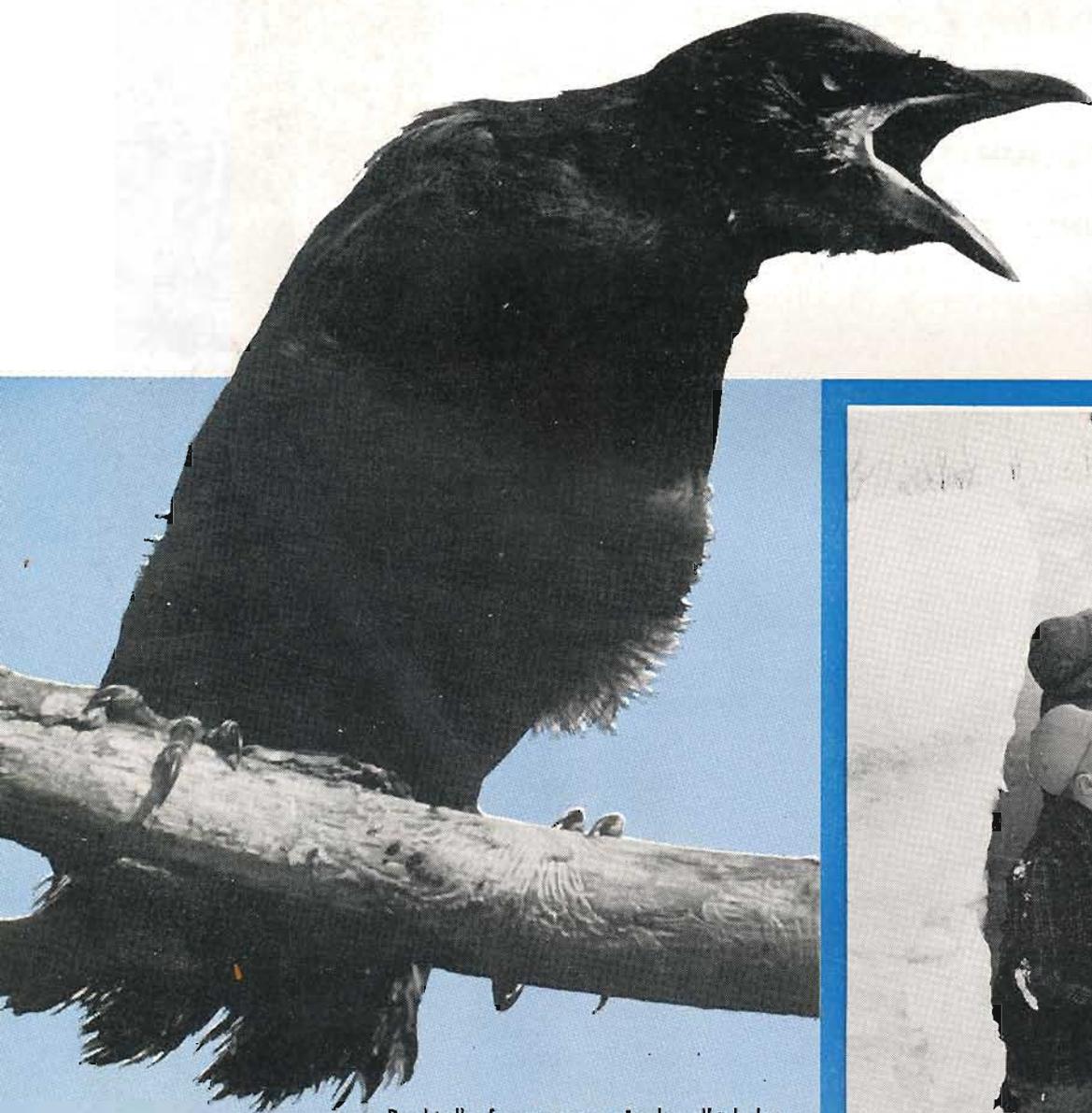
# Nobody Loves Br'er Crow— Except Gunners

By BERT POPOWSKI

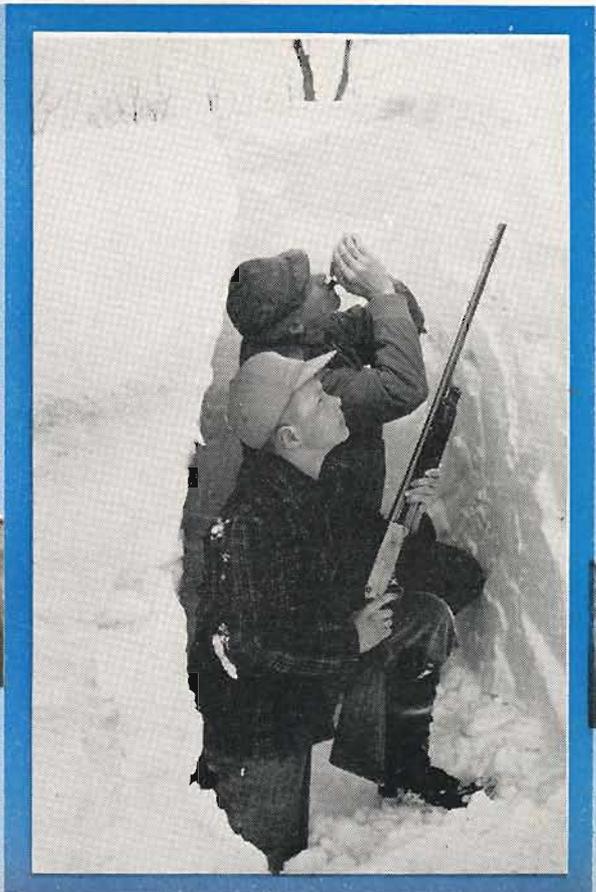
THIS MIGHT BE a story by Damon Runyon, but it happened. I was telling "a bunch of the boys" about certain odd happenings experienced in my 35 years of crow shooting, when a somewhat tipsy listener rose to remark, "Friend, you wanna learn somethin' 'bout crow shootin', you oughta read book on a subject by frenna mine—forget his name; book called 'Crow Shooting.' Fine book. You'd learn a lot."

I appreciated his two-word critique of the book, but I couldn't help noting also that a crow-hunter's "fame" is thin and fleeting, even when he writes volumes about it, as I have done in many magazines over many years. You see, "Crow Hunting" is my book; I wrote it. It is still, so far as I know, the only book on the subject.

That doesn't mean that I'm the champion of all crow shooters. I've shot crows in most of these United States plus three Canadian provinces, over half the span of a normal lifetime, which gives me some background on the subject; but crow shooters number in the hundreds of



Backtalk from crows is handled by Popowski and Son with No. 7s from Ithaca 37. Quick blind is in snowbank.





Ammo makers are happy but crows unhappy as Popowski takes overhead shots that flop into blind. Dead birds on posts make good decoys.

**CRAZY THINGS HAPPEN WHEN CROWS  
ARE YOUR TARGETS. SOMETIMES THEY EVEN STRIKE  
BACK AT THE GUNNER, WITH KNOCKOUT EFFECT**

thousands (or such is my calculation), and some of them are better shots than I am, and some are better callers, and some live smack in the middle of better crow-shooting areas. I don't pose as an expert; merely as a reporter. But crow shooting is rich with report-worthy stories.

One story that I particularly prize happened during the autumn of 1948. I had been transferred to an office in Dayton, Ohio, and during my spare time I shot a few crows in every direction from there. I was also tinkering with a crow call that I'd developed and first introduced at the National Crow Shoot of the previous spring. Since Ohio is a hot-bed of crow hunters, numerically second only to Pennsylvania, I made contact with some of the most avid crow chasers of the area.

Among them was one P. O. Harbage, a former National Crow Shoot champion and a whale of a shotgun marksman. He was an expert trap shot, too, and had, on occasion, out-shot Joe Hiestand, another Ohioan. We made contact in short order and, like crow shooters the world over, we went crow hunting. Ohio at that time was offering 25 cents bounty on crow heads.

Within the first half-hour, we came upon a nice flight of birds passing over a pin-oak grove under which a herd of pigs was fenced. It was a situation that had to be seized immediately, else the birds would pass the grove and be long gone. So I hopped out of the car and "P.O." drove it some 500 yards away and just sat there, watching the operation.

Action was fast, furious, and brief. I called in and downed somewhere between 25 and 30 crows, and then the wee flight was over. But when (Continued on page 48)



Author often attends crow shoots, takes trophies for calling.



Oddly-marked piebald crow, beautiful in flight, is now one of few "trophy" stuffed crows; adorns author's den.

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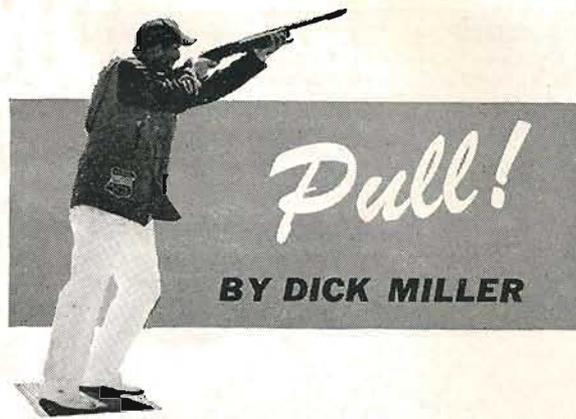
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**BY DICK MILLER**

**W**HAT NATIONAL shooting championship is most difficult to win? Well, if you ask Peter Candy of Los Angeles, California, or Robert Morse of Utica, New York, you will probably receive identical answers. That answer must be "The All-Gauge championships from the National Skeet Shoot." Candy and Morse tied at the end of the regulation 250 targets, with perfect scores. Then, in the type of nerve-racking shoot-off which has been a feature of the Skeet Nationals, Candy ground up another 225 targets, for a long run total of 475 shots without a miss. Morse faltered in the ninth extra inning, and ended with a score of 223x225 or a total of 473 out of his 475 total targets. Candy and Morse stood off the challenges and aspirations of 342 other top-flight skeetgunners in the all-gauge test.

Over in the Woman's division, Miss Kathleen McGinn of Houston, Texas, was only five targets short of a perfect score, winning the Ladies title with 245x250. The new National Junior All-Gauge champion is Don Neiderer of Elmhurst, Illinois. Wilbur Cox, shooting out of Newport, Delaware, bested the sage of Sea Island, Georgia, Fred Missildine, for industry honors.

Some of our skeet-shooting readers might give us an argument on the "most difficult national shooting title to win." And I'm sure some trapshooters would have opposing opinions. The trapshooters might nominate the Grand American Handicap, or the North American 16-yard race, which often features some lengthy shoot-offs. And for sheer shooting skill, the National Doubles championship will have its proponents. One school of thought in both skeet and trap will certainly propose that any of the "High Over All" championships are most difficult to win and provide the best yardstick for shooting ability.

For example, the "High Over All" titles in the Skeet Nationals are based on the shooter's performances in four main events, which include such widely separated tests of shooting skills as the 100 target Sub-Small (410 bore), the 28 gauge Small Gauge race of 100 targets, another 100 20 gauge targets, then the wind-up of 250 All-Gauge targets, for which most contestants depend on the trusty 12-gauge.

For the record, while our readers mull over the relative shooting skills involved, the 1960 Skeet High Over All winners are: National High Over All—William Hay Rogers, Atherton, Calif.: 546x550 Ladies—Mrs. Kit Dinning, Ruxton, Maryland: 527x550 Junior—Edward Brown, Birmingham, Mich.: 538x550

Industry—J. V. Eliot, Jr., Chicago, Illinois. Two new world records went into the books during the 1960 Skeet Nationals at Princess Anne Gun Club, Lynnhaven, Virginia. No shooter had ever broken a perfect century in the 410 bore event in national competition until 18-year old Bill Brown, Jr., a Birmingham, Michigan lad turned the trick this year. Mr. Skeet, from California, the great Alex Kerr, held the old record.

More excitement and color was added to the 1960 Nationals when Ken Sedlecky of Baldwin, Mich., shooting as Bill Brown's partner in the Two-Man team event, equalled Kerr's old record of 99x100, giving the boys a score of 199x200 in the event.

Speaking of difficult titles to bring home, I'm sure we might reach some readers who feel that when you win the 410 event, you can stand taller than anyone. And it could be that they have a point.

More shotgunning mastery with the small tubes accounted for another world record in the 1960 Nationals. Two California gunners, William Hay Rogers of Atherton, and the veteran Andy Laird of Stockton, teamed up to break a perfect 200 in the 28-Gauge Two-Man Team event. Then, for a story that can't be outdone by Hollywood, the two buddies had to turn competitors for the individual title, and Rogers cracked another century, beating his erstwhile buddy by one measly target for the individual trophy. Even Hitchcock might have trouble dreaming up a script more tense than this one.

Here's the full list of remaining 1960 Skeet titles:

**SUB-SMALL GAUGE (410)**

Champion—Bill Brown, Jr., Birmingham, Mich.: 100x100  
Ladies—Mrs. Kit Dinning: 95x100  
Junior—Mimer Cliett, Childersburg, Ala.: 94x100

**SMALL GAUGE (28-GAUGE)**

Champion—William H. Rogers: 100x100  
Ladies—Kathleen McGinn: 95x100  
Junior—Edward Brown: 99x100  
Industry—Fred Missildine: 100x100

**TWENTY-GAUGE**

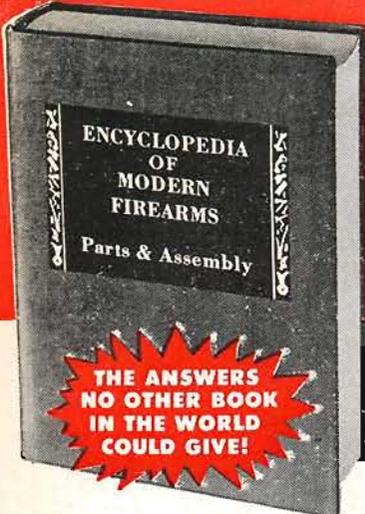
Champion—William Hay Rogers: 100x100, plus 150 straight in shoot-off  
Ladies—Mrs. Betty Myers, Westover AFB, Mass.: 99x100  
Junior—Edward Brown: 99x100

So another Skeet Nationals goes into the pages of shooting history. Next year, you could be listed as one of the winners. We have reserved a line of type for you; all you have to do is go out and practice.

Since we have gone out on a limb by the great Alex Kerr, held the old record of (Continued on page 40)

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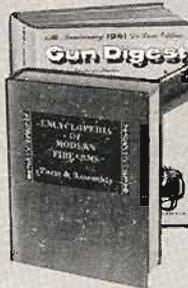
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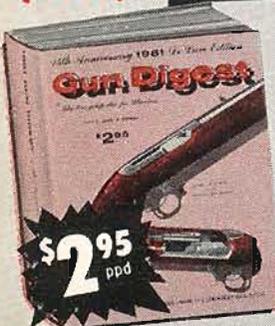
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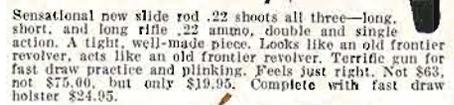
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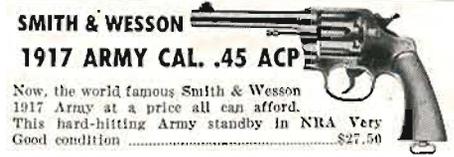
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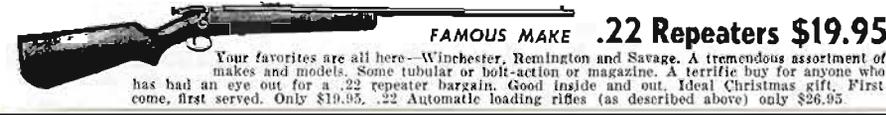
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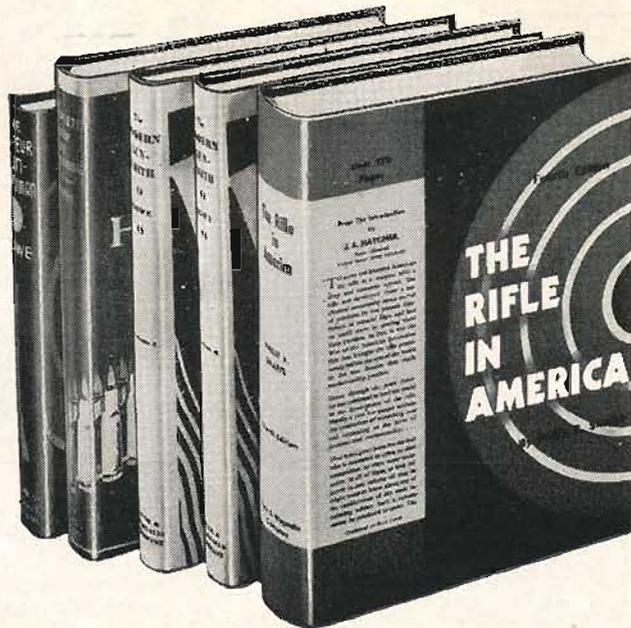
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No charge is made for any Council-sponsored activity, including the trapshooting program. Eugene "Butch" Heeter is 1960 chairman of the Council. Paid recreation supervisors are three teachers from the local school system. Bob O'Leary, Ray Berdt, and Haynes Woolcott. Coach Bob O'Leary, from Hartford High School, who teaches one of the boy's physical education classes which enjoyed trapshooting in the curriculum during the Spring school term, handles the summer trapshooting.

Verne and Bud Enders, owners of the Hartford Hunting Club, one of Michigan's finest shooting preserves, host the program on their lighted trap range. Verne and Bud get into the act with typical Hartford community spirit by donating a trophy to the boy or girl who wins each week's event. The Hartford "Day Spring" boasts community boys and girls by carrying pictures of the young winners in its pages.

One typical Friday night session, which I witnessed, found three boys and one cute Freshman miss breaking three of their five 16-yard trap targets. In the shoot-off for the trophy, one of the boys, Gary Wendzel, broke four to win. Katrina Kiser, the marksman miss, found the pressure of the shoot-off a little too much, and dropped to two targets. The other finalists were Chris Brown and Fred Melville.

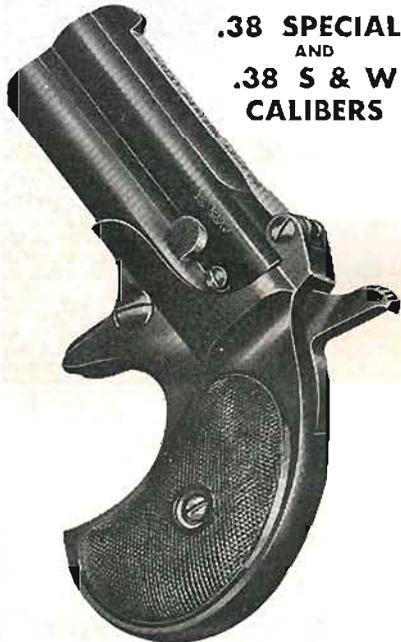
*PULL!* salutes the citizens of Hartford, Michigan, who think, and act, big! From such communities as this will come other young shooting stars whose names will blaze across the shooting record books, and who will be well-grounded in shooting and hunting fundamentals.

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(PULL! Continued from page 36)

suggesting that some national shooting championships are more to be envied than others, it might be fun to hear what our readers think on this matter. We won't settle any disputes, I'm sure; but the opinions offered might go far to provide fuel for the coming Winter fires.

Last month's column reported the summer recreation trapshooting program for boys and girls ages 14-19 offered by the Hartford Recreation Council, in the Southwestern Michigan town of Hartford. In reply to inquiries, and for the interest of other clay target shooting buffs in this prime example of real community spirit and cooperation, here are some details.

The Hartford Recreation Council derives its membership and financial support from 18 such diverse organizations as:

- Altar Society of Catholic Church
- Art Study Club
- Benevolent Chapter #41-OES
- Child Care Club
- Hartford Mothers Club
- Hartford Public School #22
- Hartford Teachers Club
- Hartford Womens Club
- Junior Mothers Club
- Lions Club
- Loyal Daughters-Federated Church
- Mothers & Others Club
- Progressive Mothers Club
- Rush Lake Friendship Club

## GUNS IN THE "GREEN HELL" OF THE CHACO

(Continued from page 23)

requirements. Estigarribia was mainly interested in getting a free flow of interchangeable ammunition for both his own guns and the variety of loot coming in from the other side. He ordered secretly whatever missiles he needed to keep the enemy going backward.

During a recent visit to Paraguay's Defense Ministry and its small but excellent Military Museum in Asunción, I had an opportunity to check up on some official figures on the preposterous swap of arms. By the end of the hostilities, 42,000 rifles, 5,000 automatic guns, and some 25 million rounds of ammunition had been "lifted" by the *pilas*, not to speak of other shooting materials and an odd assortment of tanks, planes, and flame throwers.

When it came to smaller hand guns, Estigarribia's men relied on old 1903 model

9 mm. F.N. Belgian pistols, some Spanish Eibar and El Tanque revolvers, but switched to the better Colts and German Lugers as soon as these were available on the battlefields.

It did not take long for fighters and foreign snoopers on both sides to realize that in this veritable "Green Hell" a rifle could play only second fiddle to a weapon which, confronting a practically invisible enemy, spread out its missiles rather than aimed them. Consequently, the machine gun and heavy automatic rifle came into prominence at an early stage. The Bolivians sported 9 mm. Schmeisser MP 28-II machine pistols with clips for 28 shots, 7.65 Vickers-Berthier LMGs, Colts, and Czech BRNOS. Their antagonists had to content themselves with such antiquities as Maxim-Nordenfelds Mod. 1896, and a few 7.65 Madsens. And,

while the latter were efficient enough, the water-cooled Maxims jammed consistently in the ever-present Chaco dust, which was the undoing of thousands of truck engines and other mechanized, hard-to-clean machinery.

When airplanes entered the picture, Bolivia bought Swiss Oerlikon anti-aircraft units. Estigarribia had no choice but to rig up some of the conquered Vickers LMGs and BRNOs for the same purpose.

The Schmeisser machine pistol, once it changed hands in Bolivia's losing battles, became the favorite "gat" of the Guarani guerilla. It was called a "piripipi" because of the sound it made. To add insult to injury, Bolivia was forced to purchase, from 1934 on, the heavy Swiss Oerlikon bipod machine guns to halt the onslaught of captured tanks, trucks and artillery pieces they had paid for out of their own pockets.

Artillery had been very effective in such battles where territory was favourable to positions and transportation (Carmen and Nanawa). A "Chaco first" was Bolivia's carrying complete 65mm Vickers and French Schneider gun batteries over many hundred miles by air in all metal Junkers trimotor planes. Paraguay relied on some World War I Krupps from Germany. A useful novelty for short range artillery effects were the handgrenades manufactured in the Marine Shops of Asunción, and hurled at the antagonists with giant sling-shots made from tire tubes.

Though artillery never became a decisive factor for both contestants because of weight and immobility, the mortar proved to be the all-time "Green Hell" champion from the very beginning.

In spite of this one sided arrangement whereby Bolivia was the generous provider of new items of warfare, Paraguay it was which introduced the mortar to the South American battlefield. Estigarribia, who had made Chaco strategy his life ambition, had foreseen the superiority of this weapon long before the war. His 25 piece battery of Stokes Brandt Mod. 1931 for 60mm and 80mm shrapnel was ready when the Bolivians mobilized for action. It became a decisive factor in many battles immediately. Easy to carry, hard to detect, accurate and covering a range of 3000 yards, the *anguás* ("corn-mashers" in Guarani) caused great consternation and losses among the Bolivian Indians. Such battles as the retake of Boqueron by the Paraguayans, the campaigns at Arce and Saavedra and the Verdun of the Chaco, Navana, were primarily won with the mortar.

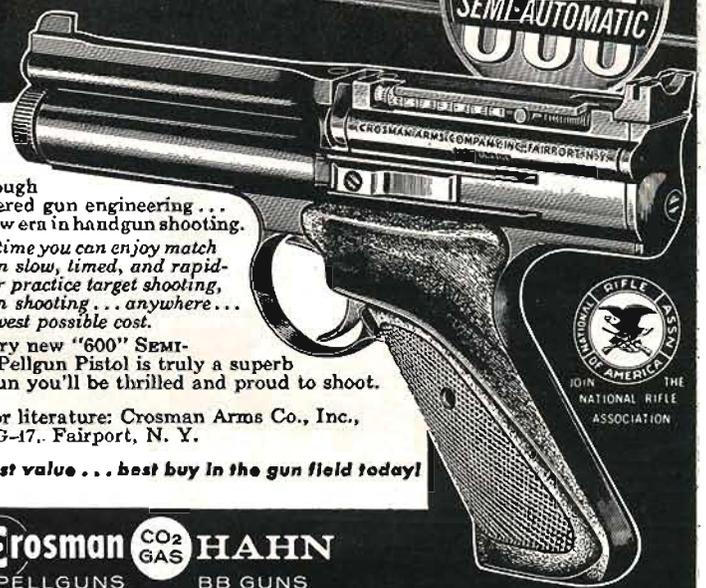
The mortar played its prominent role (next to the light machine gun) right to the very end of the conflict. One day in February, 1935, mysteriously and abruptly, the firing ceased on Estigarribia's side. A horrifying silence greeted us everywhere near the Villa Montes headquarters. What had the "Chaco Fox" in mind with this obvious evacuation of his lines? The mystery was never explained because the fighting ended then and there.

Pressure on both countries by the League of Nations brought about a new peace conference in Buenos Aires several months later. After three more years, in July 1938, the new boundaries were established.

Paraguay, which had conquered almost  
(Continued on page 44)

# 10 SHOTS IN LESS THAN 3 SECONDS!

AS FAST AS YOU CAN PULL THE TRIGGER



Another "world's first" by Crosman! A major breakthrough in CO<sub>2</sub> gas powered gun engineering... opens a whole new era in handgun shooting. Now, for the first time you can enjoy match target accuracy in slow, timed, and rapid-fire competitive or practice target shooting, fast plinking, fun shooting... anywhere... anytime... at lowest possible cost. The revolutionary new "600" SEMI-AUTOMATIC .22 Pellegun Pistol is truly a superb precision handgun you'll be thrilled and proud to shoot.

**ONLY \$1995** Write for literature: Crosman Arms Co., Inc., Dept. G-17, Fairport, N. Y.

Suggested Retail **Biggest value... best buy in the gun field today!**

**Crosman** CO<sub>2</sub> GAS **HAHN**  
PELLGUNS BB GUNS

WORLD'S LARGEST MANUFACTURERS OF CO<sub>2</sub> GAS-POWERED RIFLES AND PISTOLS

(one of a series of reports to shooters)

## Speed and convenience are important to good shooting

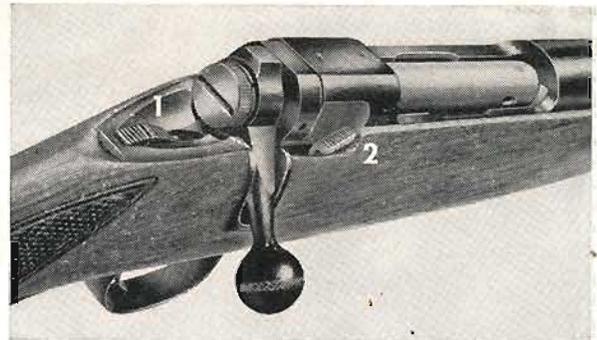
Whether a sportsman bags or loses a trophy often depends on how fast and easy his rifle is to shoulder and operate. That's why Savage designed the high-power Savage 110 for smooth, fast action.

The 110's safety is on the top tang, where a safety should be for ready accessibility. This Savage exclusive locks trigger, sear and bolt securely...unlocks instantly with a flick of your thumb.

This top-tang safety (1) pays off in the field. It's wonderfully fast and quiet; cannot be locked or unlocked accidentally.

Another convenient feature of the 110 is its cocking indicator (2). A touch or glance tells if action is cocked.

Handling speed and convenience, of course, are just a small part of the story of the great Savage 110. At your sporting arms dealer, get the



SAVAGE 110 TOP-TANG SAFETY AND COCKING INDICATOR - PRAISED HIGHLY BY GUNSMITHS AND SHOOTING EXPERTS

rest of the facts about this accurate, featherweight rifle.

LEFT-HANDERS! Have you seen the new Savage 110-MCL? Not a conversion, not a special-order item, but the first true left-hand big game rifle ever produced in volume.

Model 110, \$112.50. 110-MC, with Monte Carlo stock, ideal for scope, \$114.75. 110-MCL, \$124.75. Calibers .30-06 and .270, .243 and .308.

Savage Arms, Chicopee Falls 115, Massachusetts.



Ye Old Hunter is all heart!  
Ye Old Hunter illustrates all weapons by actual unretouched photographs so you can see how they REALLY look!

# AMERICA'S GREATEST SHOOTING

## NOW! the FIRST of AN ARRAY of

It had to come—YES, IT HAD TO COME! Harassed at every turn by the ominous ones, who would (believe it or not) stop us from offering these terrific rifle bargains you've been enjoying over the past years, Ye Old Hunter displays to the world once again that he is truly all heart! Just to please every-

### WORLD'S GREATEST PISTOLS! WORLD'S LOWEST PRICES!

Order from this ad!

(Send permit if your state or city requires)

#### COLT 1917 .45 ACP REVOLVERS

Just received—fabulous shipment of the world-famous Colt M 1917 .45 ACP Revolvers. Very good or better condition only \$27.95, some near mint only \$5.00 additional. (Why pay more elsewhere) Half-moon clips .10 ea. .45 ACP ammo \$5.00 per 100 rounds. Order from this ad.



ONLY \$27.95

#### BERETTA .32 AUTO PISTOLS

Today's top pistol bargain. Absolutely in excellent condition. Beretta .32 Auto leather holster only \$22.95! Incredible but true. Now.



ONLY \$22.95!

#### RARE MANNLICHER PISTOLS

Cal. 7.65MM

Now! Genuine, original, rare, Mannlicher Automatic Pistols at only \$19.95 in very good condition. A few excellent \$24.95. The most racy auto design ever. 7.65 Mannlicher Pistol ammo only \$4.00 per 100 rounds.



ONLY \$19.95!

#### COLLECTORS! SPECIAL!

ITALIAN GLISENTI REVOLVER CAL. 10.35MM

First time available at less than collector prices! Italian Glisenti Revolvers in the folding trigger (Police) type only \$9.95! Order today while this super bargain lasts!



ONLY \$9.95

#### INCREDIBLE AMMO BARGAINS

MINIMUM ORDER 100 ROUNDS. All prices below \$100.00. All ammo must be shipped AIR EXPRESS. SHIPPING CHARGES COLLECT. Sensational New sensational prices! Save, save, save!

#### NEW REDUCED PRICES

PISTOL	
25 AUTOMATIC (WINCHESTER NON-CORROSIVE)	5.00
7.62 NAGANT (M.C.)	5.00
7.63 MAUSER (PISTOL) (M.C.)	5.00
7.65 MANNLICHER PISTOL (M.C.)	4.00
9MM LUGER (PARABELLUM) (M.C.)	4.00
9MM LUGER (NEW, NON-CORROSIVE)	4.00
9MM F.N. STEYR PISTOL (M.C.)	4.00
.45 (ACP) COLT AUTOMATIC (M.C.)	5.00
RIFLE	
6.5MM JAP (M.C.)	6.00
6.5MM ITALIAN IN CLIPS (M.C.)*	5.00
7MM MAUSER (M.C.)	6.00
7.35MM ITALIAN IN CLIPS (M.C.)	5.00
7.62x39 RUSSIAN SHORT (M.C.) (20 rds.)	4.95
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.30 CAL. M1 CARBINE	5.00
.30-06 U.S. M2 BALL IN 5 rds. CLIPS	6.00
.30-06 BLANKS	4.00
.30-40 CALIBER KRAG (M.C.)	5.00
.303 BRITISH (M.C.)	7.50
.303 BRITISH BLANKS	4.00
8MM GERMAN MAUSER ISSUE (M.C.)	6.00
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.43 (11MM) REMINGTON (M.C.)*	\$ 5.00
SOFT POINT	
7.5 SWISS SOFT POINT (20 rds.)	\$ 3.95
7.62 RUSSIAN SOFT POINT (45 rds.)	\$ 6.65
7.65 MAUSER SOFT POINT (20 rds.)	\$ 3.45
.303 BRITISH SOFT POINT (45 rds.)	\$ 6.65

(Those few with asterisk (\*) above are partially shootable but fully componentable.)

SAVE

YE  
OLD  
HUNTER

#### 7MM GERMAN MAUSER 98 RIFLES

Cal. 7MM



GERMAN MAUSER MODEL 98. ONLY \$2495!

A secret SS cache uncovered at last. The hidden prize that has our competitors blind with rage—yours this very day and only \$24.95! German made Mauser 98 Rifles in the ever popular 7MM Caliber. Famous makes—Spandau, Amberg, etc. . . . all designed with total full length barrels for super velocity, and to bring you closer to the target. Guaranteed complete with all milled parts and in good or better condition. Don't pay more—don't settle for less—own your Mauser today. A once in a lifetime opportunity.

#### M93 MAUSER CARBINES

Cal. 7MM



THE MAUSER M93. ONLY \$2295!

Here they are! A prime international favorite! Original German made M93 Mauser CARBINES in good or better condition, totally complete, with all milled parts and only \$22.95! The racy little brush gun you've all been waiting for—barrel length only 17 1/2" to insure sights, with target, nearer your eye. Now perfectly legal in all states, so order now and be the envy of those who still tote their Danzig Boone length monstrosities. 7MM Mauser ammunition only \$6.00 per 100 rounds. Order this very day.

#### 7MM SPANISH MAUSER SPORTERS

Cal. 7MM Mauser



The Model 93 Spanish Mauser. ONLY \$2295!

The perfect little rifle you've all been dreaming about. Genuine Mauser Model 93, small ring cut-down carbines in the ever-popular 7MM Mauser Caliber. One of the smoothest and trimmest Mausers ever made at a price which now makes it available to one and all—only \$22.95. (\$4.00 additional if we select a special select one for you.) Turned down bolt, all milled parts, small ring action, cut-down stock, and 22" barrel—all yours for your prompt order. 7MM Mauser M.C. ammo. only \$6.00 per 100.

#### TODAY! THE GREAT BRNO 98 MAUSER

Cal. 8MM



The VZ 24 Short 98 Mauser. ONLY \$2995!

One of the most desirable Mausers ever made and in great demand everywhere particularly by gunsmiths who know. The famous, and rare BRNO 98 Mauser. All milled parts, superb workmanship and the sought after 23 1/2" barrel makes this the find of our age. The international firearms trade are wringing their hands in envy over THIS Ye Old Hunter find, and what a break for you Mauser fans. Today this select gem in tight working order and life still left in the barrels, and at below action alone price. Order now, while this stupendous find is still on hand. 8MM Mauser M.C. ammunition only \$6.00 per 100 rounds.

#### FAMOUS 7MM MEXICAN MAUSERS AT LAST!

Cal. 7MM Mauser



The Model 98 Small Ring Mexican Mauser. ONLY \$2795!

Ye Old Hunter has finally cracked Mexico and at what delight to American shooters. Now the famous and deluxe, small ring Model 98 Mexican Mauser in 7MM caliber at only \$27.95 in good condition. (Only \$4.00 additional if we select a special good one for you.) Not \$49.95 as others have sold them for, but a mere \$27.95. Shoots the famous effective 7MM cartridge available everywhere in hunting loads and bargain M.C. loads available from Ye Old Hunter at only \$6.00 per 100 rounds. Just under 75,000 left so be sure to order NOW to protect YOURS. Order from this ad for the promptest delivery ever!

#### BEAUTIFUL GERMAN-MADE ARGENTINE MAUSERS!

Cal. 7.65MM



The Rifle That Must Be Actually Seen To Be Fully Appreciated. ABSOLUTELY "NEAR MINT" ONLY \$1995!

Never, NEVER, NEVER has such a Mauser bargain been available. UNBELIEVABLE. From any one else but YE OLD HUNTER it would be unbelievable. You've paid more for bullet hoops than for THIS MASTERPIECE. Buy now while they supply lasts. THINK OF IT—an original German issue Mauser rifle in ALMOST NEW condition throughout manufactured in the prime vintage years with (naturally—naturally) ALL MILLED PARTS AND TRUE BLACK WALNUT STOCKS and the best of all, in the superb olympic secure 7.65MM (.30) MAUSER rifle cartridge. Buy and enjoy forever—THE MOST BEAUTIFUL MAUSER EVER MADE. ONLY \$4.00 More if we select an OUTSTANDING Beauty! Original German long blade Mauser Bayonet and Scabbard! only \$1.95. Caliber 7.65mm AMMUNITION (Cal. .30) Only \$6.00 per 100. Caliber 7.65mm SOFT PT. (Hunting) Ammo Only \$3.45 per box of (20).

REGISTERED DEALERS: Write on your official letterhead for new sensational discount lists. CANADIAN BUYERS: Write direct to our Canadian Distributor, P. O. Box 528, Peterboro, Ontario. Add 20% to above prices when ordering and SAVE. Immediate service.

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YE OLD WESTERN HUNTER • 1103

#### SHOTGUN

16 Gauge.



Back from the... Absolutely very... choke and only... again, bargain... smooth bore... time for season...

#### WINCHESTER

Cal. 44-4



Here it is! The... dition and ready... but now, in an... and fed aboard... condition at only... with 17 1/2" bar...

#### A STU

Cal. 6.5MM



Millions of this... bench. The price... model at two... give them the... You'll be surpris... news only \$3.00... these giveaway...

#### BACK

Cal. 6.5MM



This unprecedented... able for the last... that prompted a... attempt at weapo... able in every det... display. Mesmer...

#### THE IN

Cal. 8MM



Never before ava... rnative effect on... of the French A... proudly an duty... The rifle that ba... Paris. Plenty of...

#### ST

Cal. 8MM Au



One of Ye Old H... the shooting wor... available Austria... lovers who have... it and the day y... --order this for l...

# R'S BARGAINS

**WESTERNERS!** Save transportation costs! Order direct from Ye Old Western Hunter, 11033 Washington Blvd., Culver City, California, for immediate shipment. Also VISIT Ye Old Western Hunter for the greatest selection of shooting bargains ever found west of the Rockies. Immediate service.

Guns • Ammo. Guns • Ammo.



## FABULOUS SHOTGUN VALUES!!

one (friend and foe alike) Ye Old Hunter traveled (without armed guard) into the deepest, darkest, remotest sector of the dark continent to bring you NOW the FIRST of a series of truly great shotgun bargains—in addition to still more selected rifle values! THE MOST FABULOUS BUYS IN OUR AGE!

In the heart of the Golden State

### WINCHESTERS! 16 GA. WINCHESTER MODEL 12s



ONLY \$64.95!

#### THE POPULAR WINCHESTER MODEL 12

of darkest Africa—left by their fleeing white owners—now exclusively yours. Winchester Model 12 Shotgun with your favorite 28" barrel in modified and full 95! (A few absolutely near mint only \$10.00 additional). A never before, never to please you here-to-fore neglected scatter bore lovers and also the first of many of those selfish domestics who would eliminate all surplus rifle business. Just in your order today—Limit 3 to a customer. Greatest buy of our age. Order yours today.

### WINCHESTERS! The Spanish "Tigre" M92 Saddle Carbine



ONLY \$39.95!

#### The famous Spanish "Tigre" M92 Winchester.

Spanish made Model 92 Carbine in Caliber 44-40 and in tight, clean shooting condition at \$39.95! Others have charged \$75.00 for this model only short months ago. A big deal with Spain. Ye Old Hunter jockeyed his rapacious competitors to the wall with three treasures that won the Spanish West. Limited number in almost mint condition. Also a few rare, rare Spanish Border Police Saddle Ring Carbines now perfectly legal) at only \$40.95 and \$10.00 additional in select condition.

### TREMENDOUS ARSENAL CRACKED AT LAST!



(A Supremo Special)

\$9.95!

#### THE FABULOUS ITALIAN TERNI MODEL 91. ONLY

medieval weapon that blasted its way to inglorious defeat on mountain, land and sky is still yours, however, at this fantastic \$9.95! Others advertise this very fine times this price, but don't be misled by unshootable fancy names, fancy claimants and order from Ye Old Hunter for the best, as always, for the least. It's the time involved to return those to fully presentable condition. Selected specimens of the 6.5 Italian ammo in clips only \$5.00 per 100 rounds. Order now, before the price goes still lower! Remember, Ye Old Hunter always brings the best for less.

### GAIN—ONLY BECAUSE OF POPULAR DEMAND!



(A Supremi Value)

Complete!  
\$9.95!

#### BALDI'S GREATEST—THE FAMED 70V SNIPER RIFLE

with 50 Rds. looking (not shooting), ammo. ONLY \$9.95! The most accurate specimen (the rifle that put the word "sport" back into shooting) available and just to please you who never anticipated its astounding demand. The very rifle that caused the (and selling) panic of 1958, yours again—this very day. The most unique ever attempted—your friends will marvel at your taste. Totally complete and work—the perfect gift (for friend or enemy). A decorator's delight, for behind the door yourself endlessly with its spaghetti grained stock. All for only \$9.95. Today.

### FAMOUS FRENCH M 1916 MANNLICHER!



The French Model 1916 ONLY

\$9.95!

le on the U.S. Market since others feared to offer this value because of the dis- from Verdun to Algeria at only \$9.95! This super accurate F.L.X. pacifier is still available! The Palace in Paris, and throughout the collapsing French Colonial Empire. The 50 million Frenchmen wrong 15 years today for less than the cost of freight from M Label Ammo in stock at only \$6.00 per 100 rds. Do not delay on this here one!

### STRAIGHT PULL FANATICS ATTENTION!



THE AUSTRIAN MODEL 95 STEYR. ONLY

\$9.95!

er's greatest gifts to random! The famous Austrian M95 straight pull that started with its rightful potential. Now a startling bargain! Chambered for the special un- chambered, and quite luckily so, for now you won't be held up by those non-gun- all right! No one even in his right mind, can pass this up. Don't pay collector's prices than a pittance. Only \$9.95. A total must for those who won't settle for anything else.

### NOW! THE GREAT JOHNSON SEMI-AUTO 30-06!



Cal. 30-06

JOHNSON SEMI-AUTO

ONLY \$59.95!

Just in from the Spice Islands—the greatest of them all, according to many experts, and at a price too low to believe. Think of it, the world famous Johnson semi-auto in very good or better condition at only \$59.95! Some absolutely near mint only \$10.00 additional for you ultra gun lovers. The rifle heralded around the globe—yours for your order this very day. Now you can throw away all your other weapons (starting with your Italian models, of course) and cash in on the finest of the fine. Bargain non-corruptible 30-06 M.C. ammo only \$6.00 per 100. Perhaps the last time this outstanding bargain will ever be available.

### THE GREATEST RIFLE OFFERING EVER . . . ANYTIME . . . ANYWHERE!



Genuine, Original (made at Springfield Armory) M-1 Garands

"THE FINEST RIFLE EVER MADE"

All Milled Parts—All Matching Numbers

M-1 GARANDS (Cal. 30-06) and only

\$79.95!

Yes, Ye Old Hunter, the Guantanamo Buddha of the gun traders of the world, begins a new year and new decade with the greatest rifle bargain ever found . . . yes, tens of thousands of ORIGINAL GARANDS, all in v. g. or better condition, all manufactured by SPRINGFIELD ARSENAL (no cheap contract jobs), all in the world's greatest cartridges, .30-06, and all at a price EVERYONE can afford . . . just a mere \$79.95. Now you can throw away those old Krags and rough Springfields you've been paying so much for from others, and step up and enjoy the best of 'em all, the great Garands—and blaze away with Ye Old Hunter's bargain .30-06 M.C. ammo—only \$6.00 per 100. Order today from this ad to insure yours promptly.

ACCESSORIES:  
New Leather Slings only, \$1.95  
New Web Slings only, \$1.00  
Original 8 rd. clips only, 10c

### U. S. ARMY MODEL 1917 CALIBER .30-06 RIFLES!!



Cal. .30-06

Virtually unfired . . . fresh from government cases. All milled parts. All N.R.A. Very Good - or Better!

ONLY \$29.95!

TIRED OF PAYING OVER \$40 FOR A U.S. ARMY 30-06 RIFLE? No was Ye Old Hunter, so he TIRE out and now brings you this "SPACE AGE" SPECIAL and U.S. ARMY MODERN 30-06 RIFLE GIVEAWAY WITHOUT PRECEDENT! The latest and last model U.S. Army bolt action 30-06 rifle, and strongest U.S. Army bolt action EVER made. . . This super strength action can be converted to take virtually ANY cartridge but it already shoots the BEST OF 'EM ALL, the fantastic U.S. 30-06. . . (A few "like mint" selected specimens on hand for you ultimate Model '17 seekers at only \$5.00 additional.) Genuine Leather Military Adjustable Slings Only \$6c. Bargain U.S. made MC ammo only \$6.00 per 100. Genuine Model 1917 Bayonet \$1.75

### FIRST TIME! RUSSIAN M38 SEMI-AUTOMATIC TOKERAV RIFLES!



Cal. 7.62 Russian

RUSSIAN TOKERAV M38s

ONLY \$49.95!

The greatest and EVER, and at what disarmament cost to the Irons. Rarest of the rare—Russian Tokrav M38 Semi-automatic rifles. The rifle you collectors have been howling about for years and now for the first time under \$100.00. The terror of the east, now famed for western use. All in extremely fair condition and cleanable through excellent use of that cleaning equipment you've held ready so long. A never before, never again proposition at a fantastically low \$49.95, complete with 10 round magazine, 7.62 Russian ammo in clips only \$6.00 per 100 rounds. EXTRA MAGAZINES ONLY \$7.95 EACH.

### THE 1960 OLYMPIC BIATHLON MASTERPIECE



Cal. 7.62 Russian

(A Real Supremeski)

THE RUSSIAN MODEL 91. REDUCED

\$9.95!

THE MOST AMAZING FIND OF OUR TIMES. Authentic Russian Infantry Rifles in the rare model 91. The unbelievable rifle that won five out of the first six places in the 1960 Winter Olympic Biathlon event at Squaw Valley. Test your own accuracy with this Olympic Special. Guaranteed in good serviceable condition and devoid of all communist rust, for inexpensive capitalistic shooting. A hazardous find that shattered the shooting world, and what mayhem for our global competitors who tried to finish Ye Old Hunter out of this cache. Thanks to an underground waterway, shooting is now yours in the popular 7.62 Caliber—only \$6.00 per 100 rounds. Insure your Russian "Supremeski!" with a prompt order today!

### THE MOST DRAMATIC PRICE REDUCTION EVER!!!



Cal. .303

THE FAMED ROYAL ENFIELD No. 1, Mk III

Now—only \$9.95!

Cash in today on the most astounding bargain EVER, before Ye Old Hunter wakes up bankrupt and finds out what he's done. The pride of the British Army from 1900 to Korea NOW at the unheard of GIVE-AWAY price of only \$9.95! Almost too fantastic to believe, and luckily so, otherwise Ye Old Hunter might not have escaped a howling lynch mob of competitors already at his heels because of these give-away bargains. Order yours today while this price is still in effect. Original long knife bayonets only \$1.25 when ordered with rifle. A truly incredible bargain. Make sure you cash in on this steal.

ATTENTION AMERICAN RIFLEMEN: Take advantage today of these superb, safe, rare, selected sensational special weapons and ammunition bargains. Never in history such a selection at such prices! Don't be misled by claims of others. For the finest quality and greatest value, Ye Old Hunter's selected surplus weapons are unquestionably the best! Eighteen Popular rifles. . . . . Eighteen Tremendous bargains!!!

UNION ST. • ALEXANDRIA 2, VA.  
WASHINGTON BLVD. • CULVER CITY, CALIF.

IMPORTANT SALES INFORMATION—PLEASE READ CAREFULLY: All guns and ammo shipped RAILWAY EXPRESS OR TRUCK (Shipping Charges Collect) from Alexandria, Va. or Culver City, California. (California residents include 4% State Sales Tax on Culver City shipments.) Send check or Money Order. DO NOT SEND CASH. Sorry no COD's. "Money's Worth or Money Back" guarantee when goods are returned prepaid within two days after receipt. Ye Old Hunter will not answer ascerimmonous letters. Send them elsewhere. Sales limited to continental United States! World's Biggest Arms House—World's Lowest Prices.

# Hartford CHOKES

## Cyclone

12-16-20 GAUGE  
CUSTOM FITTED  
\$19<sup>95</sup>



WITH  
VENTILATED OR  
NO BLAST SLEEVE

### Adjustomatic

BOTH MANUAL  
AND AUTOMATIC

Pattern  
Control  
from . . .



cylinder bore  
to full Choke

12-16-20 GAUGE  
CUSTOM FITTED  
\$29<sup>95</sup>

SEE  
YOUR DEALER

**HARTFORD CHOKE CO.**  
NEWINGTON 11, CONNECTICUT

(Continued from page 41)

the entire region under dispute, was given  $\frac{3}{4}$  of it, a ruling that caused its veterans to moan, "We won on the battlefield but lost on the papers." Bolivia could keep the rest of the Chaco and was given the much needed outlet on the Paraguay River. None of the countries directly involved showed any benefits from the affair. There was only destruction and suffering, and the loss of thousands of lives, mainly among the politically indifferent aborigines.

The real profiteers were the governments who did not miss the opportunity to look upon the bloody show and learn shortcuts in jungle and desert fighting. For these, the shooting match in the Green Hell paid off several years later when battles were fought in the tropical theaters of World War II under conditions similar to those of the Chaco.

If we had not restricted ourselves to the role of merchants, we also could have learned valuable lessons. I wonder how many losses on our side might have been avoided in Burma, the Pacific, and the encounters with Rommel, if we had sent a mission to the Chaco to make notes. Russia, very chummy with the Paraguayans, did this. Their notebooks may be consulted again some day when an attack on this hemisphere becomes acute as part of their blueprint for world conquest. War could involve the Chaco again and those vast numbers of Indians whose perennial sufferings will keep them, (for a long time to come), an easy prey for Communist ideas.



GUNS QUARTERLY? Page 76

## BENCH REST TIPS

(Continued from page 37)

This is quite different from the British estimate of 3 minutes of angle, the Military standard of 6 minutes, and the probable hunting rifle standard of seven or eight inches.

Some of the practices used in producing benchrest accuracy are readily applicable to any hunting or varmint rifle: They won't make a master off-hand shot out of the shooter who can't hit the proverbial bull with the proverbial shovel, but they will correct some of his most glaring faults. They won't make a tack-driver out of the rifle that inherently is capable of nothing better than buck-shot groups, but they can shrink the size of those groups to reasonable proportions. And they will make top performers out of many rifles that have produced mediocre or poor accuracy.

A suitable benchrest is comparatively simple and inexpensive to build, and any hunting, fishing or gun club, with a hunter membership and reasonable backstop facilities, that does not have one, is overlooking a service that not only can be profitable to the club but will be a source of considerable pleasure and value to its members. An inquiry to the National Bench Rest Shooters Assn., Inc., Lyndonville, Vermont, will bring full particulars. They will also provide, or tell you where to get, complete information on the "How To" of benchrest shooting. Magazine space restrictions being what they are, suffice it to say here that the bench, seat, and rests should be of solid construction with the legs well buried in the ground for firmness; you should have a rest (firmly packed sandbags are very good) under the forearm of the rifle and one under the butt; you must train yourself to perform every motion for each successive shot as uniformly as is humanly possible. The most accurate benchrest rifle in the country will give buck-shot groups if its shooter hasn't first mastered the art of using it. Books and articles have been written on the subject, and some study of the subject will be a good investment.

For the initial firing, use the same load until you are reasonably certain that you are getting each shot off uniformly. If you shoot factory ammunition, use the same brand with the same weight, shape, and kind of bullet. If you hand load, use the same powder, primer, and bullet. Use the same bullet seating depth. When you find which seems to give you the best results, you then can start on the refinements.

Based upon my own observation and experience, I am convinced that a free-floating barrel is the most consistent for a benchrest rifle or a hunting rifle. It should not be shot using a tight sling, provided the action is rigid enough to support the barrel and that the action is properly bedded. Many fine hunting rifle receivers are not rigid enough to support the entire weight of the barrel, due to the magazine cuts, loading ports, etc. Others are okay.

Next to free floating, a barrel that contacts the last two to three inches of the fore-end seems best.

To try to determine which is best for your rifle, take the action out of the stock, place

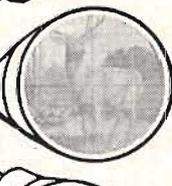
(Continued on page 46)

# REDFIELD

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(Continued from page 44)

enough shims back of the recoil shoulder and the tang to raise the barrel out of its channel enough to pass several thicknesses of paper under the entire length of the barrel when the rifle is resting on its front forearm rest. Shoot several groups of five shots. Measure from center to center of the two widest shots.

Next, remove enough shims to let the barrel down enough to contact only the first couple of inches of the fore-end. If necessary, put shims under the barrel at the fore-end. Fire several groups and compare with the free-floating groups. Unless there is an outstanding difference, don't jump at hasty conclusions—make several tests.

If free-floating proves best, take out enough wood in the barrel channel to free float the barrel, with no shims under the receiver. If fore-end pressure seems best, test with varying pressures to get best performance, and then remove enough wood from the channel to obtain that pressure without shims in the fore-end or under the receiver.

The next step is to test ammunition. If you use factory ammunition, try different brands, bullet weights, and bullet shapes. The fit of a bullet in the throat of a rifle has a considerable influence on the accuracy of a rifle. Ammunition that is great for one rifle may be poison to another because of the way the bullet shape fits the throat and contacts the lands.

When you find the factory load that performs best, you're done; but stay with the load that proved best.

In making your tests, pay no attention to

where the group forms on the target. Just because one brand of ammunition prints higher or lower than another merely means that the position of the muzzle was at a higher or lower point in its vibration due to pressures within it—not that one brand has greater or less drop than another. Check only on group size. Once you pinpoint the best load, you can adjust your sights to place the center of group impact where you want it.

If you do your own handloading, there are several additional refinements and tests that can improve the accuracy of your rifle. Check the flash holes in your cases, discarding any that are noticeably smaller or larger than average. If you have access to a tube micrometer, check the wall thickness of the case necks, discarding those that vary over .002". Large and small flashholes will produce varying combustion time with resultant impact change. Varying wall thickness in the case necks varies the position of the bullet in the throat and can cause bullet distortion.

If you are inclined to use hot loads, try lighter loads. The difference of 200 or 300 feet a second will not have much effect on the killing power or trajectory, but it can make a whale of a difference in accuracy. A bullet traveling 3000 feet a second that connects with the boiler room of a chuck, deer, or what-have-you, will do a lot more damage than the one traveling 3200 feet per second that misses. Most benchrest rifles produce their best accuracy at from two to three grains under capacity.

Check the contour of the face of your primer punch in comparison with the contour of the primers being used. The more perfect the fit the better. Many benchrest shooters kill a primer in oil, then charge it with lapping compound, chuck the charged primer in a lathe, drill press, or breast drill, and lap the primer punch face to an exact fit. Primer punches that do not fit the primers can crack the explosive pellet in the primer, which results in erratic combustion.

Experiment with different weight and shape bullets. Pay particular attention to seating depth. It has been my experience that free-floating barrels shoot best if the bullet is seated in the lands, whereas bedded barrels seem to perform best if the bullet is seated in the lands. This might differ with some rifles, but it's worth trying. The results might amaze you. I have seen a rifle changed, in a matter of seconds, from a buckshot-grouper to a tack-driver by a slight change in bullet seating depth.

These tests can not only help riflemen to improve their rifle's accuracy, but the testing itself is very interesting. There's a certain amount of do-it-yourself in most of us, and it's a very satisfying feeling to personally improve the performance of your favorite guns. The tests will make a world of difference in some guns. In others, the effect will not be noticeable. But in any case, the owner will have greater confidence and knowledge of what to expect from his rifle, and he can have a barrel of enjoyment testing it. If the tests are made as a group effort of several friends with several rifles, you'll find it even more interesting.

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**NOBODY LOVES BR'ER CROW**  
 (Continued from page 35)

I went to pick up my kills in order to wring off their heads for presentation for bounty, I found exactly seven dead crows. The pigs had scooped them up almost as fast as they fell. Half of the pigs in that herd were munching on crows; and the other half were trying to get dibs on them.

"I thought you were a better crow hunter than that," P. O. chided me when I came out, lugging my meager seven birds and wearing a confused face. "Why, you should have cracked a couple of dozen of them, at least."

Since he had observed the whole proceeding, there was no pertinent answer I could make. On a presentation of evidence, I certainly couldn't prove that I'd shot any more than the seven crows in hand. P. O. knew I had, and I knew it, and the hogs knew it; but who'd believe a hog?

The next spring, we both participated in the 1949 National Crow Shoot, held south of Toledo, Ohio. I managed to squeeze out a win over the 52-man field of caller-shooters, which included five former champions.

"I didn't think you could do it, after only one lesson from me," was P. O.'s way of tendering his congratulations. "But you did fine."

When Al Simmons was filming a crow-hunting movie, with my elder son, John, and myself as the principals, we encountered several memorable happenstances. First was the size of the kill: 527 birds taken during a final afternoon of furious action. That is the second-largest one-day kill in which I've participated. Four of us, including the late "Red" Watt of Omaha, John, and myself, beat that mark with a 556-bird kill almost a year earlier. Oddly enough, both of these big one-day kills were scored in the same general area, out of blinds that weren't separated by more than 300 yards of distance "as the crow flies."

Second in order, but perhaps first in its unusual results, was a sequence in that full-color movie that Al took at extreme-speed and via telephoto lens. During its filming, I killed approximately 30 crows, virtually all of them called in and shot as singles. By some quirk of great good fortune in sky background, lighting, high shutter speed, and telephoto lens, the shot string in fully two-thirds of those kills is definitely visible as it darts in toward successive crows. As each shot string hits the target, there seems to be a perceptible pause while it is penetrating the bird, and then feathers on the opposite and upper side start to peel off.

I have shown that movie dozens of times to sportsmen's clubs—from Toronto, Ontario, to Houston, Texas, and from Philadelphia to the Pacific—and it never fails to draw amazed gasps from the audience. On some occasions we've run that sequence through several times, even slowing projector action to allow closer observation, simply because it is so outstanding a piece of outdoor action photography.

The third point of note on that movie-making safari was the headache I acquired during the most furious part of the shooting. I had killed one bird to my left and then turned to double on a second more to my right when the sky fell in. John's sharp

(Continued on page 50)

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Sporter-weight 24"—3 lbs.

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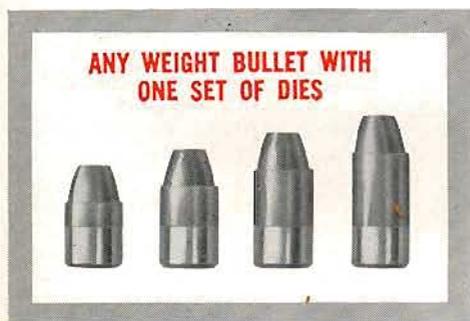
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Page 12 of This Issue



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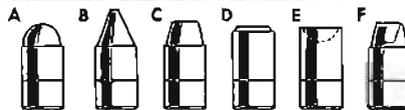
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(Continued from page 48)

"Look out!" didn't come in time for me to dodge the first falling bird. It struck me at the left base of the skull, with such force that I grew rubber-legged and momentarily blacked out. The crow that delivered that rabbit punch was killed stone dead at about a 40-yard range, and thus fell cleanly to deliver its full impact. One would scarcely believe that a one-pound bird would generate as much velocity impact. But it did.

One thing about that bit of action has always puzzled me. I know I pressed the trigger on the second bird I swung on because, when I came to, my legs about to collapse from that sneak punch, I had an empty shell in the barrel. But I don't to this day know whether I hit, or missed, that second bird. Apparently I pressed the trigger and was instantly kayoed.

The sum total of kills in a big shoot is not always the outstanding feature of the outing. Along about 1950, when I took that film, together with shotgun and calls, down to Houston, Texas, at the invitation of Dr. John Roberts Phillips, we had nine days of cracking good shooting. With the aid of several other Texans, we racked up 1,941 crows, averaging just a trifle under 216 crows per day. Most of that shooting was in peanut and rice fields.

Yet, of all those birds killed, I remember only four of them with great clarity. One was a crow that came in low and, when called, drew head on the blind and bored straight at us at about eye-level. When I shot, that bird couldn't have been over six feet away and, with the shot charge still almost as compact as a solid slug, I hit the

crow at the junction of wing and body. The wing whirled off in one direction and the body was huffed off in another. When Dr. Phillips picked that bird up to examine it more closely he dug the powder wad out of the breast meat. At that short range, even the wad had velocity enough to bury itself in the meat.

The other three birds were a different breed of cat. This day, we had Robert Smith along and were shooting out of a blind hidden behind a small dense clump of scrub oak. Three birds came in abreast, separated by perhaps four or five feet. When they got in ideal range, perhaps 45 yards away and still nicely in front of us, three guns came up as one, three shots went off as one, and the three crows plunged earthward—still abreast and separated as they had been in life. Although the cardinal rule in a crow blind is oral silence, we three yelled in delight and in unison at that very rare sight.

"Wouldn't that have made a marvelous movie shot?" demanded Dr. Phillips. It made such impact on us that we talked of it several times on the way home, and on successive shooting days.

Another very unusual shot occurred during a mid-winter South Dakota shoot. This ash grove, evidently the result of tree planting of over 50 years earlier, was the only roosting shelter the birds had for more than 20 miles in every direction. Rolling tumbleweeds, of the "Russian thistle" variety, had filled it chest-high. To make our blinds, we simply waded through the tumbleweeds to a good spot, then pushed them apart to give us foot and leg room. It was the easiest-to-build blind I've ever seen.

Midway of a shoot that ultimately totaled some 170 birds, a single started in, yelling back in answer to my calling. As it got within nice range, Clifford Lee touched off a shot and, before the shot-string got there, a sharp-shinned hawk came ripping out of the sky at that crow. Hawk, crow, and shot string all tried to occupy the same spot at the same time. This violation of a law of physics was instantly fatal to both birds. It was a strictly freak kill, one that I've seen just that once.

Two-bird kills with one shot are relatively rare in the fast-paced action that called crows provide. But they do happen, more by accident than considered intent. Crows can seem as thick as flea-ridden dog hair, yet the shot pattern very rarely catches two of them in alignment.

I had been shooting called crows for perhaps 25 years before I saw the first of those one-shot two-bird kills. Louis Anderson was the gunner on that occasion, in a South Dakota shoot. He pulled down on a crow that was about 40 yards away and killed it very nicely. Our eyes followed that bird to the ground and, some 20 yards behind it, another came whirling down. Apparently it had flown into the residual part of that pattern at very nearly maximum shotgun range. Ordinarily it would not even have been shot at that marginal range.

The second one-shot two-bird kill I saw made came about five years later. According to the best records I've kept we—sundry hunting partners and I—had killed over 75,000 crows during that span. Some of those years were on the lean side, when the press of work kept us from getting out very

(Continued on page 52)



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often. The annual total would then run somewhere between 1,200 and 1,500 kills. But they were made up for by those years when we got into a number of big shoots, often in quite rapid sequence, when the annual toll twice topped 4,700 crows in a span of 12 months each.

Oddly enough, though I've only seen a total of five one-shot two-bird kills in my entire crow-shooting career, three of those freak doubles came on one day. Red Watt, John, and I were hunting a Nebraska roost when that happened. We'd heard of the roost and hunted for it for some hours before finally locating it. So, with a late start to our shooting, we had only a trifle of 100 crows down as the afternoon shadows deepened in the blind.

Then John caught two birds, one above the other and separated by perhaps five yards in elevation. Red was swinging on the higher bird as John touched off his shot and killed them both.

"You don't have to be so damn greedy," Red mumbled, lowering his gun. But, about five minutes later, he caught two birds that were angling toward each other. They, too, were separated by about five yards of elevation. Red swung for the point where they were due to cross and repeated John's feat.

Finally, with no more than 30 minutes of shooting light left in the sky, I got into the act. Certainly my two-bird kill was the freakiest of the lot. I swung on a bird coming in from my front and, as I busted the primer, another crow came from behind me. It was going fully three times as fast as the one I was swinging on. Certainly nothing less than blind luck produced that kill.

"Anyone can kill two when they're going in the same direction," I shrugged it off. "But it takes pure skill to get two by my method."

Red, who was a notorious rawhider whenever the opportunity offered, simply had no comment—either on the shot or my claim of skill.

One of the oddest of all crow-hunting happenings came about during a shoot that Red and I shared. Because of a heavy wind the birds were late in arriving in the vicinity of the roost. Thus, when they did come, in the shelter of a ridge, the flight was almost continuous. In order to cover as much of the flight as possible, and to avoid any chance of doubling on the same bird, Red and I separated by some 25 yards.

It was ferociously furious action. There was time only to load, call, and shoot; then repeat. Sometimes triples were almost as easy as single kills. Our gun barrels were almost constantly too hot to touch. After a particularly furious burst of shooting, I noticed that Red failed to cut into the next handful of birds that topped out over him. I glanced over at him as I was calling with one hand and loading up with the other. He was merely standing there, his gun hanging at the full length of his arms.

"What's the matter?" I demanded. "Gun jammed?"

"Bert, if someone had told me that such shooting could be had, I'd have called them crazy," he responded, wearily. "My arms are just too tired to lift this gun."

Out of a horde of crow-hunting jaunts, that episode stands out as my fondest memory of the red-head. A magnificent team shot, more than able to hold up his end of the chores when action was fast, I'll never forget that I once gave him more action than muscle and mind could handle.

When it comes my time to join Red, I hope that someone will write of me, even if it's only finger-drawn in the dust: "He was a good crow caller and crow hunter." That is tribute enough for any man who enjoys royal sport.



## AFRICAN GAME TRAILS 1960

(Continued from page 27)

Uganda, just opened up to general hunting, has other virtues besides its plentitude of the outsize felines. It is a colony belonging to the African black. White residents there are, for the most part, British administrative people, and this absence of the white colonist contributes to a much more friendly attitude on the part of the dark-skinned inhabitants. Again, the long absence of safari parties with the consequent non-harassment of the game provides targets that are not nearly as gun-shy as in the more hunted spots of the neighboring colonies. Big trophy heads will come out of Uganda now that it has been thrown open to general shooting.

It provides elephant, buffalo (6 on the general license, as against only 2 in Kenya and 3 in Tanganyika), hippo, but no rhino. Old Mister Ugly is on what is referred to as the Royal Game list. Hands off. There are Greater Kudu in numbers, and his smaller brother, the Lesser Kudu. There are also Roan antelope, a first cousin to the sable and almost as highly desired as trophy-room decoration. Above these prized bucks, however, stands the real gem, the Sitatunga. Probably next to the Bongo, the Sitatunga stands highest on the sportsman's antelope listing.

The Sitatunga is extremely wary. He is a swamp dweller, living deep in the papyrus morasses of the Sesse Islands, and it is a blood-sweat-and-tears job to fetch him. The Sesse Islands stalking of this handsome trophy is something of an expedition itself. In the first place, the safari has got to go amphibious. It must take to launches to reach the islands, which are 30 miles off shore and located in Victoria Nyanza; and after fetching the landfall, the huntsman finds he must prowls the shoreline in skiffs, debarking when the game is spotted. Once ashore, he trends upon treacherous papyrus which floats. At intervals, a foot knives through the springy decking and the hapless huntsman sinks to his hip pockets. At the end of the day he will be wetted to his eyebrows. It is a new fashion in African game questing.

Despite a too hasty conclusion that visitors intent on lion were going to beat a path to Uganda, the Uganda Game Department has not yet hiked the bite for licenses. While the general license stands in cost shoulder to shoulder with Kenya and Tanganyika, a healthy \$140, the special licenses have not yet attained the lofty pinnacles. It

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(Continued from page 52)

costs just half as much to shoot in this colony. In Kenya, if you would go for the "Big 5," the license runs \$550. In Tanganyika it is slightly higher.

Our gloomy friends the morticians say, "It is later than you think," and maybe this applies to African shooting today. The game is thinning. This is not because of inroads by shooting sportsmen; these bucks could shoot forever, at present rates, without reducing the game population. But slaughter there is, and unless the slaughter is brought under control, African big game as we now know it will go the route of the dodo.

The man responsible for this annihilation is the African black. In Tanganyika, he has been provided with firearms. In Kenya, he has not been permitted to own guns, but the bush is filled to overflowing with East Indian traders who swap snare-wire for meat, hides, and horn. On the Serengeti last year, it was conservatively estimated that 186,000 head of plains game was snared alone! How long can any game herds withstand, all in a span of a twelve-month, such decimation as this?

In Tanganyika, the rhino has been declared in closed season the year around. Old Faro faces extinction. His horn is valued by the East Indians as an aphrodisiac and, so fantastic is the market, stretching as it does from Dar-es-Salaam to Hong Kong, the rhino is persecuted day and night, month in and month out. The game departments are futile to cope with the campaign of unrelenting poaching. I was talking to George Adamson, the head game ranger for the Northern Frontier District, the other day and he told me he had 16 wardens—all black—to police 80,000 square miles!

Quite apart from the poaching which is reducing the rhino is the tremendous butchery going on among the plains game. The blacks have never been meat eaters. They have subsisted on vegetables, fruits, and beef from their own herds. Now, with the great wave of game killing for trade profits, the native has developed an insatiable appetite for chops and steaks hacked from the critters of the veldt. The market is surreptitious and sees an exchange of the freshly killed Tommy gazelle for cloth, or wire, or gunpowder. And if it be not between the Indian trader and the poacher but betwixt the latter and another native, it may see a swap of fresh chops for a pair of laying hens, or a bag or meal, honey, or fruits.

But back to more cheerful things . . . It is the cherished dream of every practicing sportsman to some day get an African safari under his belt. Africa is his dream. Africa, with its varieties of trophy game, dangerous, rare, and elusive. A golden land of limitless horizons, of bush and rolling veldt, of savages and sudden death. A land where the sportsman in 30 short, excitement-choked days can kill the "Big 5," all of dan-

gerous and all on the most-wanted list of every sportsman. He collects these salty members and, besides, goes on to shoot some 30 to 50 head of lesser trophies. A happy hunting ground where the sportsman can bag more game in 4 weeks than he can legally take in any state here at home in ten or a dozen years.

Africa is within the reach of all sportsmen today. It is a costly soiree, granted; but the pay-as-you-go plan has now touched the safari. You can swing your safari on the down-payment plan, organizing and enjoying your once-in-a-lifetime hunting holiday on a minimum financial outlay and not-too-much-per-month basis thereafter. You can pay it out the way you do for the family car.

Once upon a time, when the huntsman went to Africa, the water voyage outward bound cost three weeks—and he couldn't get home any faster. Now it can be done via air, in 48 hours. It was once painfully necessary to give forth with a thousand good Yankee dollars for an English double rifle. Now, that same gun, or the new Winchester bolt action .458, can be rented for the duration of the safari from the white hunter. Not only can the visiting sportsman get the temporary loan of the big bore so that he can give some old tusker his lumps, but he may if he elects also lease a medium caliber shooting iron, a musket in the class of the .300 Magnum. This cuts out the need for carting any rifles over the sea at all. Wing shooting is on the fabulous side. There is to be found an infinite variety of winged game and, as bag limits are unknown, the gunner's only restraint is his own conscience. The white hunter will provide the scattergun. Also shells.

The safari camp is the most deluxe affair in any hunting fields around the globe. Each sportsman has his own tent. This is a commodious affair with a floor and a partition at rear for the bath. There is a tarp stretched over the front entrance which serves as a fly. Beneath the fly there is a ground cloth. Each hunter has a personal boy who keeps the tent as neat as a Saturday morning military inspection and, besides this, does a daily laundry and ironing. This man Friday awakens the hunter each morn with a piping hot cup of tea or coffee, a libation traditionally taken abed.

Meals are served in courses by boys in uniform. The food is Continental in style of preparation, and is served with all the niceties, which includes daily changes of linen. For those rough-and-ready veterans who would swap some of the formalities for a somewhat lessened price, the outfitter has the stock answer that he organizes his safaris to only one standard. The Hollywood atmosphere appeals to the gals, and many a sportsman takes his frau on safari these days; not to shoot necessarily, altho many do, but to soak up the luxury of a score of attendants dancing to her slightest beck and call.

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The word safari means "a walking out." This hardly states the case these days; the sportsman will hardly average marching two miles daily during his excitement-crammed thirty days. The safari car is made to do all the work. This car is built with 3 seats, no doors, is 4-wheel drive, and incorporates a hard roof with a trap-door. A boy is sent aloft through this door to watch for game.

Before daylight, the sportsman together with his white hunter load aboard the car and, with a tracker or two and the gun bearers in behind, they push off. During the day, the pair will make a great swing of some 50 to 100 miles. When game is spotted, the white hunter and his client dismount (shots cannot be fired from the vehicle) and stalk the trophy. Once in range, the shot is delivered, the head collected, and the reconnaissance is resumed. It is an easy painless manner of hunting. As an indication of the soft touch, Nairobi outfitters tell me the average age of the sportsmen they take out is somewhere beyond 50 years.

Some hunters nurtured on the inoffensive whitetail deer are a little skeptical about locking horns with that surly old stud, the African Cape buffalo, or a bull elephant, or his highness the King of Beasts. They question whether their hormones will stand the suspense of a shoulder-rubbing rhubarb with these acknowledged tough cookies. They needn't worry. As the African clambake is staged these days, the hazards are substantially reduced. The white hunter goes with the sportsman everywhere he travels. This bucko is a keen young professional, usually an Englishman but not infrequently an American, about 25 to 35 years of age, a splendid game shot and deadly when the pressure is on. He positions himself right at the elbow of his dude huntsman and when a wounded buf must be followed up, the charge of a determined tusker turned, or a lion finished off in the tall grass, he wades in with his big double express .470 cocked and ready!

It is most heartening to have this backer-upper at your elbow; and when the situation gets a bit sticky, he retrieves the ball in a fashion to emulate Stewart Granger at his cinematic best. As one old Nairobi outfitter said to me, "We sometimes lose a white hunter, but we have yet to count a client as a casualty." The dangers, I'd hazard, aren't up to driving to the office in the morning.

There are two hunting seasons in East Africa. These shooting times are dictated by the rains, downpours which hit this end of the Dark Continent twice each year. The shooting can go ahead during the damp interludes, but it is just a whale of a lot more pleasant when the water abates somewhat.

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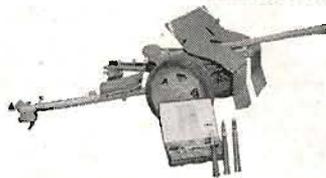
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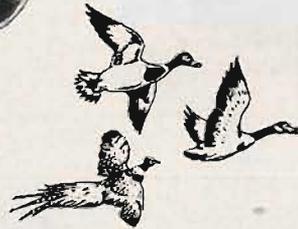
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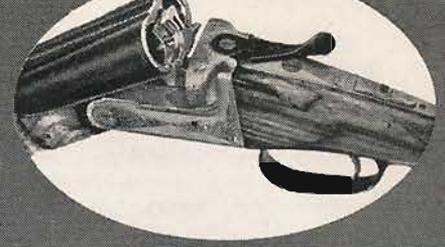
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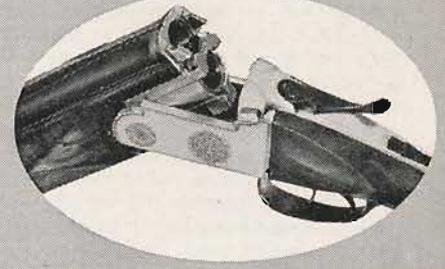
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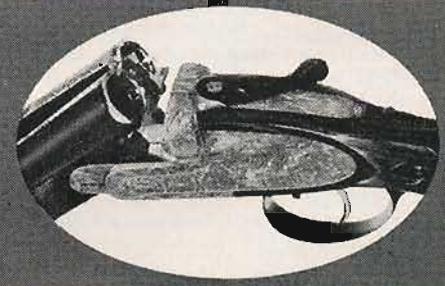
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Outstanding value in genuine H&H type sidelock double shotgun. Old growth Pyrenees walnut; intricate hand engraving. Selective auto ejectors. Auto safety. Demibloc, with raised vent, rib, and SST, \$384.95.



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The raised vent rib and the fine handling characteristics of this Dakin Single #60 make it the finest shotgun on the market for the price. A high grade single shotgun for the beginner; a handy special purpose gun for the seasoned shooter.

Hand engraved, satin-finish chrome receiver. Long forend. Hammerless. Trigger type opening lever. Button safety. Gauges in 12, 16, 20, 28 and .410. Price: \$54.95.

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Wade's Gun Room  
Tucson: Steinfelds  
Tucson Sporting Supply

## ARKANSAS

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Fresno: Johnson's Sporting Goods  
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Galt: Smith's Custom Gun Co.  
Granada Hills: Larry's Sporting Goods  
Huntington Park: Sportsman's Supply  
Inglewood: Coles Sporting Goods  
Fairchild's Sporting Goods  
Long Beach: Bill Shaw's Sporting Goods  
Los Angeles: Pachmayer Gun Works  
Marysville: Gordon's Sporting Goods  
Merced: Bill Whitehouse Gun Shop  
Mountain View: Adams Custom Gunsmith  
Oceanside: Johnson's Sporting Goods  
Pacoima: Golden Valley Gun Club  
Pasadena: Bradley's  
Rerding: K & H Auto & Home  
Sacramento: Simms Hardware  
Salinas: Sherwood Sport Shop  
San Bernardino: Jerry Berman and Sons  
San Diego: H & R Sporting Goods  
Krasne's Inc.  
San Francisco: Abercrombie & Fitch  
San Leandro: The Traders  
Santa Ana: Neal's Sporting Goods  
South Gate: Weatherby's  
Torrance: Torrance Cycle & Sport  
Van Nuys: John Barkley  
Ventura: Barnes Trading Post

## COLORADO

Denver: Royal Coachman Tackle  
Montrose: Heimericks Sport Shop

## CONNECTICUT

Bridgeport: Sportsman's Den  
Danbury: Fin & Feather  
Middletown: Middlesex Sport Center  
New Canaan: Bob's Sports  
Roxbury: J. Dewey Gun Co.  
Wallingford: L. Steel Gun Co.  
Waterville: Uncle George's Trading Post  
Woodbury: Judson S. Darrow

## DELAWARE

Wilmington: Custom Sport Shop

## DISTRICT OF COLUMBIA

Washington: Irvings  
Trading Post

## FLORIDA

West Palm Beach: Flagler's

## GEORGIA

Atlanta: John Jarrell Inc.  
Dean's Sport Shop  
Everett Roach  
Macon: Southern Bait & Tackle

## IDAHO

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Idaho Falls: Cat Thompson, Inc.

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Blue Island: Blue Island Gun Shop  
Bluford: Maxey Motor & Hardware  
Carpentersville: McTavish Sports Center  
Chicago: Abercrombie & Fitch  
Chicago Gun Center  
Klein's  
Marshall Field & Co.  
Vernoy & Sons, Inc.

Danville: S & J Sport Shop  
Decatur: Frank's Sport Shop  
East St. Louis: Lee's  
Franklin Park: Bell's Gun & Sport  
Geneseo: Cherry's Sporting Goods  
Greenville: Main Tire & Battery  
Hillside: Klein's  
Hinsdale: King Kyser Sporting Goods  
Kankakee: Salkeld's  
Peoria Heights: Kline's Gun Shop  
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Quincy: Merkel Bros.  
Urbana: Bailey & Himes, Inc.  
Westville: Gerrib's Sporting Goods

## INDIANA

Alexandria: Rybolt's  
Anderson: Modern Gun Shop  
Bloomington: Schmaiz's  
Bluffton: Myers Gun Shop  
Columbus: Thompson Sporting Goods  
Connersville: Knight's Gun Shop  
Crawfordsville: Ben Hur Sport Shop  
Elkhart: John Hite Sporting Goods  
Evansville: Rajo Gun Shop  
Fort Wayne: Tillman Gun Shop  
Griffith: Griffith Sport Shop  
Hammond: J. W. Millikan, Inc.  
Huntington: Pinney Gun Shop

## INDIANAPOLIS: Jenkins Guns

Pearson's Gun Shop  
Kokomo: Snapp & Fager  
Mishawaka: Ross Sports Store  
New Albany: Bush-Keller Co.  
Newburgh: Sportsman's Trading Post  
Princeton: Dick Miller  
Richmond: Midwest Boat & Motor  
South Bend: Recreation Equipment  
Syracuse: Wawasee Sportsman's Center  
Terre Haute: Paitson Bros.

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Mystic: Hampton's Gun Shop  
Sioux City: Olson Spgt. Goods  
Waterloo: Black Hawk Sports Shop

## KANSAS

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Great Bend: Phillips Sporting Goods  
Hutchinson: Reno Impl. & Hdw.  
Iola: Wilson Hardware  
Lawrence: Wilson's Supply  
Topeka: Frontier Gun Room  
Wichita: Elliott & Vilm Spgt. Goods  
Winfield: The Sportsman

## KENTUCKY

Hopkinsville: Young Hardware  
Lexington: Phillip Gall & Son  
Louisville: Gun & Reel, Inc.  
Maysville: Maysville Sport Shop

## LOUISIANA

Monroe: Gene's Sporting Goods  
Shreveport: Harbuck Spgt. Goods

## MAINE

Bangor: Dubois Custom Loads  
Kittery: Webbers Gun & Marine  
Norway: Woodman's Sporting Goods

## MARYLAND

Baltimore: Baltimore Gunsmith  
Jefferson: The Trading Post

## MASSACHUSETTS

Brockton: Wetzel's Marine & Sport  
Cambridge: Roach Hardware Co.  
Fallriver: A. Alton Dexter, Jr.  
Quincy: Hilton's  
Salem: Salem Army Navy Store  
Waltham: Paul & Eaton, Inc.  
Scott Surplus Store

## MICHIGAN

Adrian: The Maume Co.  
Albion: Albion Sportsman Shop  
Ann Arbor: Fox Tent & Awning  
Wier's Gun Shop  
Battle Creek: Lakeview Hardware  
Belleville: Stech's Sport Shop  
Birmingham: The Sportsman  
Coldwater: Otto's Sporting Goods  
Dearborn: Nichols Sport & Marine  
Detroit: Griswold Sporting Goods  
J. L. Hudson Co.  
George Pfeiffer's  
Wessel Gun Service  
Paul H. Young Co.

Ferndale: Geakes Sporting Goods  
Flint: George Hubbard Hardware  
Grand Rapids: Rylee's Super Hardware  
Otterbein Sport Shops

Hamtramck: Jack Roy Gun Shop  
Hazel Park: Gun Bugs Haven  
Highland Park: Eric Fromm Inc.  
Holly: Cliff Dreyer's  
Ionia: Tom's Tackle Shop  
Jackson: Beach & Heuman's  
Kalamazoo: Wilkinson Sport Shop  
Monroe: Monroe Sporting Shop  
Morley: Frank's Sporting Goods  
Mt. Clemens: R. Krieger & Sons  
Muskegon: Central Hardware Co.  
Jones Electric Co.  
Pentwater: Bob Maynard  
Pontiac: Slaybaugh's  
Saginaw: Morley Bros.  
McGee-Findley  
St. Johns: Allan R. Dean Hdw.  
Wyandotte: Ken's On The Range

## MINNESOTA

Alexandria: The Shootin' Shop  
Bemidji: Lakeland Sporting Goods  
Duluth: Rocky Teller's Sporting Goods  
Forest Lake: Bob Johnson Sp. Gds.  
Fosston: Satran's Sporting Goods  
Grand Rapids: Hans Johnson  
Mankato: Mahowald Sporting Goods  
Minneapolis: Corrie's Sporting Goods  
Dayton's  
Warner's Hardware  
Owatonna: Bjoraker Sport Shop  
St. Cloud: Pap's Sporting Goods  
St. Louis Park: Keller Bros.  
St. Paul: Dayton's-Schuneman  
Roy Novotny  
Winona: Graham & McGuire

## MISSOURI

Joplin: Owens Sporting Goods  
Kansas City: Troost Gun Shop  
Marshall: Mach's Sporting Goods  
Springfield: Dug Thomas  
Jay Key and Gun  
St. Louis: Nassau Sporting Goods

## MONTANA

Billings: Scheels-Billings

## NEBRASKA

Bassett: Farmers Lumber  
North Platte: Simon Brothers  
Omaha: Osoff's Sporting Goods  
Custom Gun Shop

## NEVADA

Las Vegas: Kozal's  
Reno: The Sportsman

## NEW HAMPSHIRE

Concord: Bull Dunn's Sport Shop  
Manchester: Parker's  
North Walpole: Aumand's  
Troy: Adamson Sporting Goods

## NEW JERSEY

Bevans: Riddell Brothers  
Millville: Jim Bolton's Sport Shop  
Mullica Hill: Oscar C. Jenkins Co.  
Titusville: George Schielke  
Trenton: Capital Sporting Goods  
Verona: Horton Arms Co.

## NEW MEXICO

Roswell: Maxwell's

## NEW YORK

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Batavia: Salway's Hardware  
Bath: Roff's Sporting Goods  
Buffalo: G & R Tackle Co.  
Ted's Key & Sport  
Otto Walther & Son  
Canandaigua: Cole & Raes, Inc.  
Catskill: Ladd Arms  
Clayton: Steele's  
Delmar: Bennett Gun Works  
East Syracuse: The Outpost  
Elmira: Benson, Jessup & Knapp  
Geneva: Harman's Sport Shop  
Clenas Falls: Lapham's Inc.  
Gowanda: W. L. Cain Gun Shop  
Ithaca: Gee's Sporting Goods  
Lockport: The Cabin Range  
Mount Kisco: C. J. Daum Co.  
New York City: Abercrombie & Fitch  
Norfolk: A. B. Crabb and Son  
Northport: Bowman's Spgt. Gds.  
Oneonta: Bill's Sport & Hobby  
Palmyra: Jim's Photo & Hobby  
Parish: Breckheimer's  
Poughkeepsie: Von der Linden's  
Rochester: Sibley, Lindsay & Curr  
Suffern: Torne Valley Rod & Gun Shop  
Tribes Hill: R. G. Roberts Enterprises  
Troy: Tigars Sporting Goods  
Wayland: Ludlam Sporting Goods  
West Sand Lake: Miller Gun Works

## NORTH CAROLINA

Charlotte: Builders Hardware Co.

## OHIO

Akron: Boyles Tackle & Bait  
Buckeye Cycle  
Ashtabula: Westside Hardware  
Bellevue: Wammes Gun Shop  
Bellevue: Fennwood  
Canton: Field & Stream Sporting Goods  
Reel-Live Bait Co.  
Chillicothe: Chillicothe Shooters Supply  
Cincinnati: Ed. Brendamour, Inc.  
Powell & Clement  
Cleveland: Hart Arms Co.  
The Higbee Co.  
Columbus: Dave's Gun Store  
Outdoor Store Inc.  
Cuyahoga Falls: Falls Gun Ex.  
Fairborn: Ehrhart Sporting Goods  
Findlay: Jaqua's Sports Marine, Inc.  
Fremont: Wasserman Gun Shop  
Gallipolis: McKnight & Davis  
Garrettsville: Fay's Gun Shop  
Laura: Roark, Inc.  
Lima: R. S. Marshall  
Lorain: Welsh Hardware & Sport  
Mansfield: Goetz Hardware  
Marion: Hinton's Sport Shop  
Marysville: Amrine & Overly  
Massillon: Hall's Sport Shop  
Oxford: Ronnie's Bait & Tackle  
Sandusky: Herb's Sportsman Supply  
Warren: Folsom Sporting Goods

## OKLAHOMA

Altus: Thomson Marine & Spgt. Gds.  
Miami: Forty-Five Ranch Enterprises  
Oklahoma City: Vaden-Kloss Sporting Goods  
Tulsa: The Sportsman  
Woodward: Campbell's Home & Auto Supply

## OREGON

Albany: Bill's Sport Shop  
Bend: Ken Cale Hardware  
Central Point: Gleason Supply Co.  
Klamath Falls: The Gun Store  
Newport: B & B Sport Center  
North Bend: Bill Harless  
Pendleton: Barnum's Trading Post  
Portland: Foster's  
Meier & Frank Downtown  
Meier & Frank Lloyd Center  
Semler's Sporting Goods  
Sports & Hobbies, Inc.  
St. John's Sporting Goods

Continued on next page

Continued from page 57  
**FRANCHISED DEALERS FOR  
 DAKIN SHOTGUNS**

**OREGON (Cont'd)**

Redmond: The Powder Keg  
 Salem: Cascade Merc  
 Meier & Frank  
 Toledo: B & B Sport Center

**PENNSYLVANIA**

Belle Vernon: J. S. Hutchinson  
 Bentleyville: Bentleyville Sports Shop  
 Bryn Mawr: James L. Cox  
 Doylestown: Meininger's  
 Dubois: Boone Mt. Trading Post  
 East Lansdowne: Philip R. Crouthamel  
 Erie: E. L. Gorenflo Gun Shop  
 The Sportsman

Franklin: Re-Arm Sport Shop  
 Freeland: Shane's Sporting Goods  
 Harrisburg: Webb & Wolfe  
 Indiana: Markle's Sporting Goods  
 Kittanning: McConnell & Watterson  
 Lancaster: Hoak-Yarnall, Inc.

Lewistown: Aurand's for Sports  
 Lyndora: Kople's Gun Shop  
 Meadville: A. R. Wolff & Son  
 Milford: Sportsmen's Rendezvous  
 Newcastle: Rohrer's Gun Store  
 North East: Hogue's Gun Shop  
 Olyphant: Jerry's Service  
 Parkesburg: D. F. Jenkins

Philadelphia: Murta-Appleton  
 Pittsburgh: Joseph M. Horne  
 Quakertown: Sportsmen Shop  
 Rixford: Taylor & Robbins  
 Sayre: Joe's Sporting Goods  
 Saxton: Cunningham Sptg. Gds.  
 Sharon: The Sportsman's Shop  
 Sheakleyville: Groover & Osborn  
 State College: Metzger, Inc.  
 West Reading: Wiest's Sporting Goods

**SOUTH CAROLINA**

Charleston Hts.: Montague's  
 Easley: Pepper Hardware  
 Greenville: Southern Arms Co.

**SOUTH DAKOTA**

Sioux Falls: Sports Inc.

**TENNESSEE**

Greeneville: Doughty-Stevens  
 Kingsport: W. B. Greene Co.  
 Morristown: Cox's Sporting Goods  
 Murfreesboro: Murfreesboro Hardware  
 Paris: Reynolds Sporting Goods

**TEXAS**

Amarillo: The Fisherman  
 Village Sporting Goods

Beaumont: McKnight's  
 Big Spring: Jim's Sporting Goods  
 Borger: Humphries-Marks  
 Bryan: Montgomery Lynch  
 Columbus: S. K. Seymour  
 Corpus Christi: House of Guns  
 Dumas: Dumas Sporting Goods  
 Houston: Oshman's

Irving: Dallas Gun Club  
 Laredo: Becklehymer's  
 Longview: H & T Sporting Goods  
 Lubbock: Chuck's Gun Shop  
 McAllen: J. P. Moore Jr.  
 Midland: Midland Pawn Shop  
 Mineral Wells: Western Auto Assoc.  
 Monahans: Lyle's  
 San Antonio: Lebman's  
 Nagel's Gun Shop

South Houston: Kenlee's  
 Waco: Cogdell's Auto Supply

**UTAH**

Salt Lake City: Hunters Sporting Goods

**VERMONT**

Rutland: Wilson Sports Equipment  
 Shelburne: White's

**VIRGINIA**

Alexandria: Dixie Sporting Goods  
 Charlottesville: Carter's Gun Works  
 Falls Church: Davis Gun Shop  
 Melfa: F. L. Parker, Jr.  
 Richmond: Richmond Gun Shop

**WASHINGTON**

Longview: Manchester's  
 Oak Harbor: Olympic Gun Shop  
 Seattle: Strait's Sporting Goods  
 Tacoma: Washington Sports Shop

**WEST VIRGINIA**

Clarksburg: Casto's Sporting Goods  
 Fairmont: The Sports Store

**WISCONSIN**

Appleton: Schiedermaier's  
 Ashland: Nick's Sport Shop  
 Baraboo: Baraboo Sporting Goods  
 Beloit: Krause's Sport & Hardware  
 Berlin: Cunningham Hardware  
 Eau Claire: Outdoor Sports Shop  
 Fr. Atkinson: Lakeland Sport Shop  
 Green Bay: Denis Sport Shop  
 Madison: Berg-Pearson Sporting Goods  
 Menomonee Falls: Sports Unlimited  
 Merrill: Duke's Sport Shop  
 Middleton: Bob's Powderhorn  
 Milwaukee: Casanova's  
 Flintrop Arms Co.  
 Kess Arms  
 Martin's Sport Shop  
 Mike's Sport Shop

Wisconsin Rapids: Perry's

(Continued from page 55)

The first hunting comes during January and February; but it may be even better during the four month period spanned by June through September.

All the better shooting areas are now divided into shooting blocks by the game departments. To get a really top-flight shooting ground, the blocks must be booked months ahead of time. The game departments will not permit the white hunter to reserve a series of blocks until he can display a down payment of earnest money from the sportsman. As a result, safaris are now customarily booked from 6 months to as long as 24 months ahead of date set for the big shoot.

This not only assures good hunting territories but also permits the selection of really topnotch white hunters.

There are today 75 registered white hunters in East Africa. Only a small handful are the very cream. The others range from ordinary to mediocre. The white hunter can literally make or break the safari. His careful selection by someone in the know is just as critical as the early selection of really outstanding shooting blocks.

But don't get me wrong—thinning though it is, the quantity of game will still amaze you. And—whatever the safari costs, it's worth it.

**DR. MANN: FATHER OF BALLISTICS**

(Continued from page 30)

causes for their failures to shoot accurately. He threw away the guesswork, left only the facts. He proved most of them alibis, nothing more. He locked horns with prominent gun writers of the day, including E. A. Leopold, writing as "Medicus." He and Leopold often compared notes, not always agreed. Leopold had written, "In rifle shooting, the trouble is that the bullet does not start off in the right direction from the muzzle." Mann was not sure Medicus knew the score. The Krag bullets had started off the right way: straight up. But when Dr. Mann discovered the shortcomings of the poorly made bullets then available, he knew there was more to the question. He liked to think of the "X-error" as the constant and varying deflection of a bullet from the bullseye, thus including in his thinking what takes place both inside the barrel, and outside.

Mann's first recorded test was made on August 8, 1894. He examined the then-popular method of seating a bullet (in a single shot rifle) forward of the case into the rifling. Fourteen years of research were to follow; then an additional year of cross checking, before he published his findings in "The Bullet's Flight."

By not stocking his experimental barrels, he eliminated many errors in bedding. The barrels were set in concentric rings, laid in the groove of a Vee rest and breeched by a special firing device that would fit many different barrels. The rings were made to make the barrel axis coincide with the cross-hairs of his telescope set in similar rings. The rest itself was sighted-in with the scope. He called on A. O. Niedner and Harry Pope for much of his equipment, as many barrels of the day suffered from a slight curve or warp. Exacting of others, he had Niedner make up a dozen sets of rings before he found a set he would use.

From a heavy "Gibraltar" made of concrete and iron, Dr. Mann fired through a muslin covered corridor 18" square and 100 yards long. Later, at great expense, he built a longer range, man-high, with supports of 2 x 6 planks and covered with 15"-wide one-inch boards. Check cards, "yaw cards," were set

up along the way at measured distances so that a bullet passing through printed its tilt and spin. Today, the Bakelite company prepares special yaw cards that break cleanly along its profile when a bullet hits. Dr. Mann's scientific methods are still with us.

Three shots a day was good, and five something to come home happy about, for it took much time to set up and collect and catalog all test cards. He used barrels as long as six feet—two ordinary barrels screwed together—and barrels so short the tip of the bullet itself was exposed.

In working with powders, he sought 8,000 feet per second and, according to Niedner, actually attained 4,000 f.p.s. But he would not tell anyone how he did this, for fear someone else would do it wrong and blow himself up.

Mann discovered many things that astounded even him. He calculated that a bullet travelling perfectly straight, hitting a hard target, would bounce straight back. Yet he could not believe this was actually true even when such bullets did come back to strike the muzzle. After several close calls, a horse blanket was set up to protect the firing area.

Niedner and Pope were frequent guests at Mann's home. "I remember well," Gertrude Mann said, "the many sessions father had with Mr. Niedner and Mr. Harry Pope. Mr. Niedner would stay for days out at the range on the homestead farm, whereas Mr. Pope, who was a favorite of Mother's, would stay at the house for from 4 to 6 weeks at a time so he could work closely with father. It was on this homestead farm, after the 25-cent bounty on crows had been discontinued, that the men shot groundhogs. But father," she made it a point to add, "never liked to kill anything or see anything killed or wasted."

His life work seemed little respected in America, but Dr. Mann was not bitter. "Father always claimed that the expense involved in his experimentation did not bother him at all. And he always said that he really did not dream of making any money from the publication of his tests," his daughter said.

(Continued on page 60)



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 Barrels—  
 45 cal. 44 special  
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 7 1/2" ..... 13.33  
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## RIFLES FOR BIG VARMINTS

(Continued from page 33)

I'm not knocking the .30-30. I, for one, like that slab-sided little deer slayer. At the respectable distance of 150-200 yards, sometimes even further, it will roll a coyote if handled by a man who knows its trajectory.

The .30-30 also remains the undisputed king of all guns for carrying, either by hand, on horse back or in a pick-up truck. My neighbor, "Red" Whitefield, rides the range daily as foreman for the Hallsell Cattle Co. near Sundown, Texas. He carries a Model 94 Winchester .30-30 Carbine which suits him fine. If he sees a coyote that is out of range, he simply waits for another day when the same animal may be a little closer. As a tool of the cowboy's trade the .30-30 is O. K. But for a sniper weapon at long range prairie wolves, it won't hold a candle to guns like those used by my good friend, Dr. A. L. Walsh, of Levelland, Texas.

As befits a man with a diagnostic turn of mind, Dr. Walsh examined the entire field of guns and accessories before investing in any shooting equipment. Then he chose the .243 Winchester 70 Featherweight equipped with a Balvar scope in B. & L. mounts. Next, he obtained a .30 Springfield, and made a beautiful Mannlicher stock for this gun. He put B. & L. mounts on it, also. With these two rifles and one scope, Dr. Walsh was equipped for just about any hunting he would be likely to do. But later, just for fun, he traded for a nice .22-250 Varminter, and had B. & L. mounts installed on it also. With these identical mounts, he can now swap the incomparable Balvar scope from one gun to another without change of zero or additional sighting in. Since this scope-swap can be accomplished in seconds, he has, in effect, three wonderfully scope-sighted rifles, with the expense and care of only one scope. This arrangement easily simplifies packing or shipping his rifles.

Actually, either of Dr. Walsh's guns can kill a coyote dead in his tracks at long, long, range. The .243 will have an edge on the .22-250 both in bullet weight and wind-bucking ability, and the .30-06 is ready for just about anything, including heavier game when the season rolls around. And the trio are really inexpensive.

The Balvar scope and B. & L. mounts are the nearest thing to an all-around combination that can be bought today, far less expensive than a conglomeration of different scopes, mounts, and guns.

Now, consider the highly specialized type of varmint shooting done by my buddy, Dudley Fields, of Levelland, Texas. Dudley is a man who believes in precision in all things. With his bench rest type .220 Swift he frequently puts all the bullets into a space that can be covered by a nickel. I covered five of his bullet holes with a penny one day. The group was shot from a distance of 100 yards.

When it comes to varmint shooting,

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Dudley lays his old 14 pound .220 Swift across a sandbag, and explodes jackrabbits, hawks, and crows, at phenomenally long distances. In fact, just about any varmint that stands still for a few seconds is sure to be perforated and eliminated by the flat-shooting, fast-stepping .220 Swift.

But, for my personal use on coyotes, and other large varmints, on the west Texas plains, I have found none of the foregoing (with the possible exception of the highly respected .30-06) to be near-ideal long range rifles. And the .30-06 leaves something to be desired: its varmint bullets are too short and fat, and the longer bullets are too heavy for ideal performance over extremely long ranges.

For a rifle to use at long ranges in windy country, the rifleman needs a bullet designed to maintain its velocity and projected flight line to the greatest possible distance. This means the flattest possible trajectory and *sustained* velocity at the point of impact.

In addition to the question of sustained velocity and 300 yard trajectories, we also have the problem of wind-bucking and brush-cutting ability. Any smart coyote, and many dumb jackrabbits, will immediately step behind the nearest bush when his alert senses tell him that danger is near. Usually he doesn't try to hide completely behind a solid screen of limbs and foliage. He simply wants to observe, without being seen, so he chooses a bush through which he can peer, that will also break the outline of his body, and partially conceal him.

So, there stands the coyote, 400 yards away, gazing at you through twigs and limbs. A cross wind is blowing at a rate of at least 10 miles per hour. Your problem: put a bullet across that intervening space with enough accuracy, flat trajectory, bucking wind and cutting brush with sustained velocity to put him down for keeps. What kind of a gun do you think you should be holding? I knew the answer as I pressed the .264's trigger and watched that prairie wolf swap ends.

For the thing that I had not anticipated when I pressed the trigger was that the wolf would move at that precise instant. But move he did. His head started south before his tail could follow, and this put head and heart both in a direct line with the flight of my bullet. You might say that it was his fault that he got shot twice with the same projectile.

When I picked him up, and saw the mess that had been made, and the twigs on the ground where the bullet had plowed through the brush to nail him. I knew that, for me at least, the problems of long-range shooting at the larger varmints had been solved.

# TALK ABOUT PRECISION?



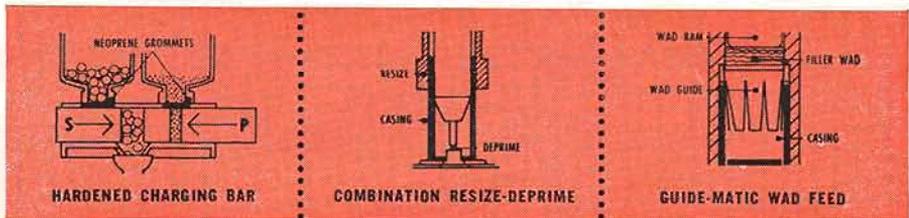
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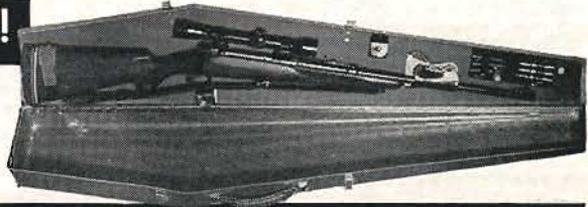
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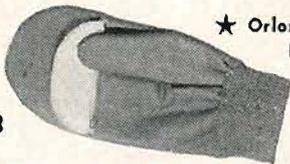
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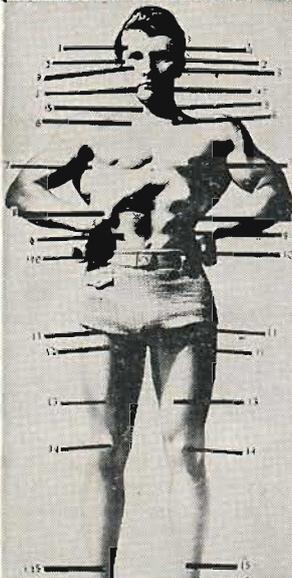


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**BROWNING RIFLES . . . Keith**

(Continued from page 25)

The bolt and top of rear tang are left bright polished metal. I believe that, on a hunting rifle, it would be better if the top tang and the complete bolt, or at least the bolt sleeve, bolt handle, and the top of the tang, were blued so they would not flash sunlight and catch the eye of the game hunted.

The stock of the Browning rifle is a modification of my old design, written up in the old "Outdoors" and other magazines some 25 years or more ago. It incorporates a good engraved through-bolt at the front recoil abutment to prevent spreading of stock or splitting out of the recoil abutment. This is a very good feature in any bolt action stock, and particularly for rifles of heavy recoil. Detachable sling swivel studs are furnished and fitted. The Monte Carlo cheek piece stock has a trifle too much down pitch for most shooters; would be better, in my opinion, with at least an inch less pitch. It also has considerable cast-off, nearly 3/4". Continental and British shooters go for cast-off, but few Americans like it.

The .264 through the .30-06 calibers are fitted with a hard composition typical Browning butt plate, while the big Magnum calibers are fitted with a soft recoil pad. I would like it better if all calibers had a soft recoil pad. The top of the grip forward of the Monte Carlo comb is, I feel, cut a trifle deeper than necessary for the thumb. I think it would be a better looking stock if this grip top was raised about 1/8 of an inch. Also, the belly of the stock line should be raised behind the pistol grip, and the grip separated from the belly of the stock, outlined and properly capped for better appearance. The front end of the cheek piece, at the bottom, should be turned down and into the center of the pistol grip, rather than upward. The cheek piece and Monte Carlo are also carried farther to the rear than necessary, and appearance could be further improved by cutting the Monte Carlo cheek piece one inch shorter or further forward.

Aside from these minor criticisms, it is a very beautiful stock, of excellent walnut and carefully hand rubbed finish. The forestock is well designed and shaped for most men but on the specimen tested, some five pounds more up-push at the tip of the forestock against the barrel would suit me better. (I do not like floating barrels.) The rifle balances perfectly, feels to fit most shooters well. Grip and foreend are well checkered.

Trigger pull is single stage, crisp and clean, adjustable for back-lash and let-off. The stock is not only hand finished but also hand bedded for best accuracy, and it gives the rifle a custom look throughout. Stock dimensions are about ideal for both iron and scope sights.

We have been testing this new Browning Mauser in .30-06 calibre. We had a set of Austrian-made claw-type mounts that had proven too high for existing open iron sights on several Mauser rifles, but the new high sight line of the Browning proved adequate for use with these mounts, (imported and sold by Frank & Walter Klepcis of Rosendale, N.Y.).

Elevation of the rear mount had proved not quite high enough for most scopes with internal adjustment except the new Weaver and the fine Leupold Model 7. We fitted the

Leupold scope in these mounts, and it makes a most ideal hunting scope-and-mount combination for this rifle. The mount clamp arms were a trifle too large, but a cardboard shim in top and bottom of each, glued to the mount clamps, cured this trouble permanently. We now have a really quick-detachable mount: an excellent scope with most perfect optics, that can be snapped on or off in a second, and good open iron sights. This makes a very fine hunting combination for any country or condition likely to be encountered. These mount bases are a trifle higher than the Weaver and other domestic mounts, but even though scope is mounted slightly higher than would be the case in Buehler, Tilden, Redfield, Weaver, or other mounts, it does make a mighty strong and handy combination. It is also an ideal bolt action saddle gun, with its light weight and the scope which can be removed and carried in a belt case or saddle bag.

This combination of Austrian claw mounts on a Belgian-made rifle with one of the best American scopes may seem strange, but it works. This fine Leupold 4X scope is nitrogen filled and sealed to prevent the possibility of fogging in damp weather, and with its superb optics, it makes a very fine hunting glass. The reticle is a very fine, narrow, flat-top post with horizontal wire, and makes a good range finder once one learns exact coverage from top of post down to bottom of cross hair. This is also a very deadly game reticle, as the tiny post is thin enough to permit holding over all big game yet large enough to be seen in very dim lights. Optics seem fully the equal of any scope I have ever used and better than many.

Sighting the rifle in at 100 yards, I discovered that this is a one-load rifle. When perfectly sighted for 200 yards, so that it prints around 2 3/4" high at 100 yards with Remington 180 grain Corelokt soft point, it then prints the 220 grain Remington Corelokt exactly to point of aim at 100 yards for elevation but two inches to the left. It would be close

enough for emergency use of the 220 grain on big heavy game at close range, but I prefer to sight any rifle for one load and stick to it. Five-shot groups with the 180 ran, for the four groups fired 3/4" to 1 1/8". The one shot stretching that last group was my fault; I called it high and right. Four of the five of this largest group were in 7/8" at 100 yards.

When I turned to 220 grain Remington Corelokt soft point, the little rifle really went to town. Four five-shot groups were all well under one inch, the smallest being just a half inch and the largest a scant 3/4". This is simply crazy accuracy from so short and light a rifle. In fact, it is bull-gun target accuracy in a light weight hunting rifle.

These barrels are machined from specially heat-treated billets of chrome vanadium steel rather than rod stock. It is a very smooth four groove barrel with rather narrow lands. Many barrel makers have long argued for the stepped-down barrels on the Kar 98 Mauser, and this two step Belgian barrel indicates their claims of smaller vibration nodes may well be right. Certainly the little rifle will give any man all he can hold for and then some. I'd like to try one in .338 or .375 Magnum caliber.

If this sample is representative of the new Browning line, as I am sure it is, then this rifle should become very popular all over the world. Price of the rifle in calibers .243 through .30-06 is \$164.50. For the big Magnum calibers, .300 H & H through .458, the price is \$169.50.

I intend using only the 220 grain Remington Corelokt load in this rifle, sighting it for 200 yards. That long bullet does not lose velocity as fast as the 180 grain, and it is amply flat for big game shooting with its superb accuracy in the rifles.

All in all, congratulations to Browning on their latest entry in the firearms field. These rifles carry on the Browning tradition of fine workmanship and fine performance.

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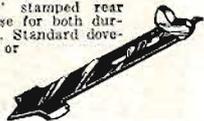
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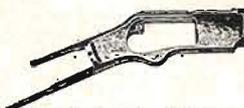
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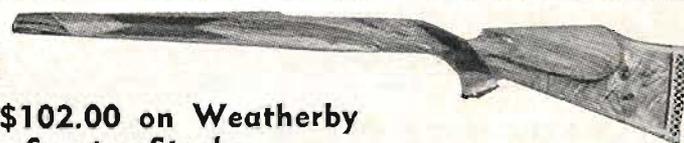
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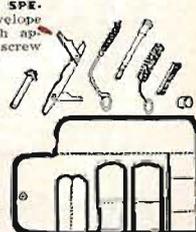
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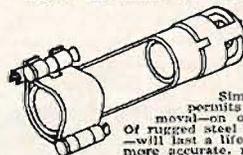
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GII, Bradford, Pa.

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City..... State.....



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**NEW PISTOL SCOPE MOUNTS** attach to Smith & Wesson "K" frame target revolvers without drilling or tapping holes. Buehler bases replace micrometer rear sight. Fast to install, original sight quickly replaced. Works with standard rifle scopes such as Weaver K-1, K-2.5, K-3, and others. Allows precision testing of revolver and ammo and for rest or two-hand shooting on targets or game. Details on Buehler equipment in Catalog 15-G from: Maynard P. Buehler, Orinda, Calif.

"PALCO" 2 Quart canteen holds double amount of fresh water for outdoor sportsmen. Extra capacity light-weight canteen guaranteed leak proof. Sanitary water carrier all-welded for strength. Unbreakable stopper with attached chain, furnished with sturdy



cover and extra-heavy shoulder straps. Fills longfelt need for extra capacity, light weight canteen by all outdoorsmen. A product of Worcester Pressed Aluminum Corp., Worcester, Mass.



**HUNTING COAT-PAR-A-PANTS.** Waterproof Super Dux Coat features rubberized inner lining in back and shoulders. Made of briar, hurr and bramble proof fabric for shooting ease; corduroy collar and cuffs. Deep blood—proof game pocket with drop seat. Two extra deep side pockets with elastic shell holders. Available in four sizes at \$10.95. Par-A-Pants have double front rubberized lining. Retail at \$9.95. Set available from The Hamilton Carhart Co., 1698 W. Lafayette, Detroit 16, Mich.



**WIPING PAD** for cleaning sports equipment announced by Frank A. Hoppe, Inc., Eighth and Dauphin Sts., Philadelphia, Pa. Trade-named "Hoppe's Wiper," new cleaning pad is made of Canton flannel. Completely absorbent, soft, thick, and non-abrasive. Hoppe's Wipers now included in the familiar Hoppe's "De Luxe" and "Utility" Gun Cleaning Outfits. Will also be sold as individual items—in packages sealed in cellophane.

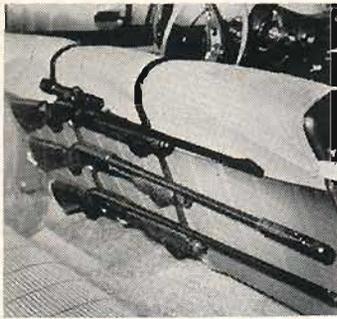


**GUN SLING CARRIER** protects gun from damage, leaves arms free to protect sportsmen from falls. Relieves weight strain; prevents arm cramps. Easily released for quick shooting. Priced at \$2 each. Pair only \$3. Sent postpaid with moneyback guarantee. From: Ace Mfg. Co., Vermilion, Ohio.



**HIGH-POWER BOLT ACTION** Mauser Rifles stocked in seven calibers by Browning Arms Company, Ogden, Utah. Include .243, .270, 30-06 (pictured), .308, 300 H & H Magnum, .375 H & H Magnum and .458 Magnum. Renowned Mauser action retained. Rifles priced at \$164.50 except the Magnum calibers which, with recoil pad, sell for \$169.50. All models have slim, trim contour; Monte Carlo stock with cheek-piece. New guns have three position, silent, slide safety, located at top of pistol grip for easy, fast manipulation. Weights run from 6 3/4 lbs. in smaller calibers to 8 lbs. in big bore Magnums. Cartridge capacity of 5.

# WITH Guns



**CAR, TRUCK GUN RACKS.** Model No. 50 fits over back of car seats. Soft Plastisol coated for full protection. Gun held snug with spring clamps. Model No. 60 fits over rear glass in pick-ups, back of seats in pick-ups, over side glass in station wagons. Holds two guns snug at all times. Fully adjustable. Both models in solid black color. Racks also available in Model No. 80 with top piece designed to fit on dash board, bottom on floor board; Model No. 100 for trucks that have running board recessed inside door. All models from San Angelo Die Casting & Mfg. Co., Inc., P. O. Box 984, San Angelo, Texas.



**NEW C-H SWAG-O-MATIC** self-ejecting bullet swaging tool is available in .38, .44, .44 ACP and .45 Colt pistol calibers. 6 bullet punch styles: wad cutter, semi-wad cutter, semi-wad cutter hollow point, round nose, conical and the new sensational cup point. A simple adjustment of the die enables you to obtain any bullet weight desired. Complete tool, including die for one caliber and one bullet punch style, only \$29.95. Complete information available from C-H Die Co., P. O. Box 3284, Terminal Annex, Los Angeles 54, Calif.

**6" REFLECTOR TELESCOPE.** F/8—6" pyrex paraboloid mirror, choice of any three eyepieces 65 X 18 MM achromatic Ramsden, 100 X 12.7 MM achromatic Ramsden, 150 X-9MM achromatic Ramsden, 220 X-6 MM orthoscopic, 320 X-4 MM orthoscopic; all precision threaded giving sharp images to extreme edges. 6 X 30 achromatic finderscope

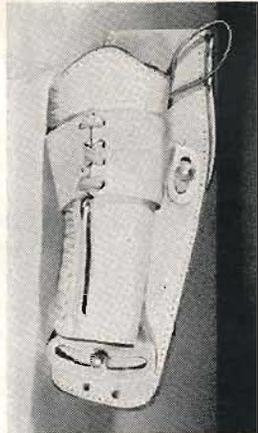


heavy duty mount with setting circles, Rack & Pinion eyepiece holder, study lightweight tripod, New Dyn O Matic electric drive, white 50" bakelite rotating tube for versatility and viewing comfort. Shipped ready for use \$194.95 F.O.B. Hartford; shipping weight 55 lbs., or can be purchased on easy payment plan. From the line of Criterion Mfg. Co., 331 Church St., Hartford, Conn.



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**REPEATER**  
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**DEE WOOLEM ADJUST-O-MATIC** Holster Adapter can be adjusted to exact desired position in seconds for different types of fast-draw contests: quick-draw, trick-draw, and the new "walk-and-draw." Sturdy, case-hardened polished aluminum; lightweight, strong as steel. 6½" long. Priced at \$2.50 ppd., from Tandy Leather Co., Dept. G-10, P.O. Box 791, Fort Worth 1, Texas.

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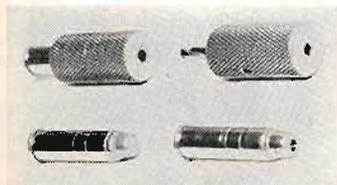


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# GAME LAWS

STATE	LICENSE FEES - HUNTING		SPECIAL SEASONS	GUN RESTRICTIONS	FOR SEASON DATES, SPECIAL SEASONS, BAG LIMITS, ADDRESS:
	RESIDENT	NON-RESIDENT			
ALABAMA	\$1 County \$3 State	\$5-7 Day \$25 Annual			Division of Game & Fish, Montgomery
ALASKA	\$7 or \$12 Incl. Fishing	\$10-\$30 Game varies with species \$10 to \$150 each \$20 Incl. Fishing		Shotgun—less than 10 gauge Shotgun—less than 4 shots Rifle or Pistol (not rim fire)	Dept. of Fish & Game, Juneau
ARIZONA	\$5 Small Game; \$9 Incl. Fishing Big Game Additional	General Hunting \$20 Big Game Additional		Rifle .22 Cal. or larger	Game & Fish Dept., 105 State Office Bldg., Phoenix
ARKANSAS	\$2.50	\$15-\$25	None	Shotgun: More than .410 Rifles: Bigger than .22 Cal.	Game & Fish Commission, Little Rock
CALIFORNIA	\$4; Bear Tag \$1; Deer Tag \$2; Pheasant Tag \$2	\$25; Bear Tag \$10; Deer Tag \$10; Pheasant Tag \$2	All Controlled Deer Hunts proposed—2275 permits 22 counties	Shotgun: Not more than 3 shots	Dept. of Fish & Game, 722 Capitol Ave., Sacramento
COLORADO	\$3 Bird & Small Game \$5 Incl. Fishing \$7.50 Deer & 1 Bear \$10 Elk & 1 Bear	\$40 Deer & 1 Bear \$30 Elk & 1 Bear \$10 Bird & Small Game \$10 Bear			Game & Fish Commission, 1230 Sherman St., Denver
CONNECTICUT	\$4.35; \$6.35 Incl. Fishing	\$11.35; \$15.35 Incl. Fishing			Board of Fisheries & Game, 2 Wethersfield Ave., Hartford
DELAWARE	\$2.25	\$20 Annual; \$3 on Shooting Preserves Only			Board of Game & Fish, Dover
FLORIDA	\$2 County \$7.50 State on licensed private preserve only \$5.50	\$11.50-10 Day \$26.50 Annual		No .22 rimfire; no jacketed bullets on Bear or Deer	Game & Fish Commission, Tallahassee
GEORGIA	\$2.25 or \$3.25 Incl. Fishing	\$20.50 State \$10.25 County; \$10.25 State 10 Day		Varies by county and game hunted	State Game & Fish Commission, Atlanta
HAWAII	\$5 (Includes Armed Forces & Fam.)	\$10			
IDAHO	\$3 or \$5 Incl. Fishing	\$20 Blind \$75 Game & Fish	Moose, Antelope on Specially Drawn Permits	No .22 rimfire on Big Game	Dept. of Fish & Game, Boise
ILLINOIS	\$3	Reciprocal with other states \$15 Minimum			Dept. of Conservation, Springfield
INDIANA	\$2.50 Incl. Fishing & Trapping	\$16 Incl. Fishing Priv. Shooting Preserve \$2.50	None	Shotguns: not more than 3 shot mag. cap. on migratory birds.	Division of Fish & Game, 311 W. Washington St., Indianapolis 9
IOWA	\$2	Reciprocal with other states \$5 Minimum			Conservation Commission, Des Moines 9
KANSAS	\$2 or \$4 Incl. Fishing	Reciprocal with other states \$5 Minimum		Shotgun: not larger than 10 gauge	Forestry, Fish & Game Commission Prairie
KENTUCKY	\$3.25 \$10.50 Big Game additional	\$15.50 \$10.50 Big Game additional		Shotguns: 10 gauge or less Rifles: .243 and over	Fish & Wildlife Resources, Frankfort
LOUISIANA	\$1	Reciprocal with other states No Minimum			Wildlife & Fisheries, New Orleans 16
MAINE	\$2.75 or \$5.25 Incl. Fishing Archery (Deer) \$4.25	\$25.25; Small Game \$10.25; Archery (Deer) \$10.25	None	No auto with more than 5 shot capacity	Inland Fisheries & Game, Augusta
MARYLAND	\$1.25 County \$5.25 State	\$20	Antlerless Deer, Dec. 29, 30, 31 in certain counties		Game & Inland Fish Commission, P. O. Box 221, Annapolis
MASSACHUSETTS	\$3.25	\$15.25			Div. of Fisheries & Game, Boston 8
MICHIGAN	\$5 Deer & Bear + \$2 Bear Stamp; \$2 Small Game; \$8 Archery	\$30 - \$1 Bear Stamp; Small Game; \$15 Archery Season; \$35 Deer and Bear	Special Deer Season, dates to be set Spec. Shooting Preserves	Shotgun: not larger than 10 ga. or more than 3 shot cap. Spec. restrictions in certain areas.	Dept. of Conservation, Lansing 1
MINNESOTA	\$3 Small Game; \$3.50 Big Game	Archery (Deer) \$10.25 \$26 Small Game; \$80.25 Big Game		Rifle (deer): .22 or larger. Cartridge must be at least 154" long unless .25 Cal. or more.	Div. of Game & Fish, St. Paul
MISSISSIPPI	\$1 or \$5 Incl. Fishing	Small Game \$8 to \$15; All Game \$20 \$5-3 Day Small Game		Shotguns: not more than 3 shot capacity	Game & Fish Commission P. O. Box 451, Jackson
MISSOURI	\$3 or \$6 Incl. Fishing \$3 Trapping	\$20 Small Game \$20 Big Game-\$10 Archery	None	Shotgun: not more than 10 ga. or more than 3 shot capacity. Rifle: bullet not less than 60 gr.	Conservation Commission, Jefferson City
MONTANA	Big Game \$3.00 (With Class A License)	Class B & C License \$100 Big Game, Birds and Fish \$25 Bird; \$20 Deer & Antelope	Drawings for special Sheep, Moose, Goat, and Antelope permits	No caliber limitation, but shotgun only in some areas	Dept. of Fish & Game, Helena
NEBRASKA	\$2.50 or \$4 Incl. Fishing	\$15 Small Game; \$25 Big Game \$1 Upland Game Bird Stamp			Game, Forests & Parks Comm., Lincoln 9
NEVADA	\$5.00 Deer Tag \$2.50	\$25 additional for Big Game Deer Tag \$25			Box 678, Reno
NEW HAMPSHIRE	\$3.50 + \$1 Game Stamp or \$4 + Fish & Game Stamp Incl. Fishing	\$25.25 Small Game \$10.25	None 1 Private Preserve		Fish & Game Comm., Concord
NEW JERSEY	\$4.15	\$15.50 One Day \$2.15	Deer, either sex, season to be set	Shotgun: Not larger than 10 ga. on Birds or smaller than 12 (buckshot) on Deer	Dept. of Conservation, Trenton 25
NEW MEXICO	\$5 Big Game; \$6.50 Gen'l. Hunting; \$9 Incl. Fishing	\$50.25 Big Game Special Game Tags \$2-\$100	Special Hunts: Deer, Elk, Antelope, Bighorn Sheep	Write for full information	Dept. of Game & Fish, Santa Fe
NEW YORK	\$3.25 Small Game; \$3.25 Big Game; \$5.75 Incl. Fishing; \$5.25 Archery	\$20.75, All Game (Gun); \$10.75 Small Game; \$10 Archery		Shotgun: (deer) 20 ga. or larger (other only). Rifle: (deer) center fire only.	Conservation Dept., Albany
NORTH CAROLINA	\$4.10 State; \$4.25 Incl. Fishing; \$1.10-County	\$15.75 \$5.25 Shooting Preserve only	In Managed Areas Bear, Boar, Birds	Write for full information for various game, areas, etc.	Wildlife Resources, Box 2919, Raleigh
NORTH DAKOTA	\$2 Small Game; \$6 Big Game	\$25 Small Game or Archery \$30 Big Game	Ducks, Geese, Special Areas Pheasants; on Preserves	Shotgun: (deer) 20 ga. or larger (other only) Rifles: Cartridge 1 1/2" or longer.	Game & Fish Dept., Bismarck
OHIO	\$2.25	\$15.25 \$5.25 Deer Permit	Ducks, Geese, Special Areas Pheasants; on Preserves	Deer: shotgun only	Dept. of Natural Resources, Columbus
OKLAHOMA	\$2 or \$3.50 Incl. Fishing	Reciprocal with other states \$15 Minimum			Dept. of Wildlife, Oklahoma City
OREGON	\$4 or \$7 Incl. Fishing	\$35	Extended Deer season; Special permit Elk season; Special area hunts.	Shotgun: not larger than 10 ga. Rifles: .25 or larger with energy not less than 1250 ft. lbs. 100 yds.	State Game Commission, Portland
PENNSYLVANIA	\$3.25	\$20 Hunting Only \$25 Trapping Only	Antlerless Deer permits when and where conditions warrant. Write for information.	Shotgun: 3 shot capacity. Rifle: (big game) no .22 or .25 rimfires.	Game Commission, Harrisburg
RHODE ISLAND	\$3.25 \$5.25 Incl. Fishing	\$10.25	None Private Reserves operate Sept. 1-April 15	Deer: bow and arrow only No rifle larger than .22	Division of Game & Fish, Providence
SOUTH CAROLINA	\$1.25 County \$4.25 State	\$20.25 Annual; \$10.25-3 Day	Deer, Turkey, Small Game, dates to be set	None except Federal	Wildlife Resources, P.O. Box 360, Columbia
SOUTH DAKOTA	\$6 Prerequisite Fee \$2 Bird; \$7.50 Big Game	\$25 Small Game \$35 Big Game		Shotgun: slugs only for Big Game Rifle: min. cart. length 2"	Dept. of Game, Fish & Parks, Pierre
TENNESSEE	\$3 Incl. Fishing \$5 Big Game Stamp	Reciprocal for Annual \$15 Minimum; \$5 Big Game Stamp	Big Game Hunting Limited Write for current information	Shotgun: (deer, bear, boar) slug only; 3 shot capacity; 20 ga. or larger. Rifles: Write.	Game & Fish Comm., Nashville
TEXAS	\$3.15	\$15, \$10 Waterfowl \$5-5 Day Migratory Bird \$3.15 Shooting Resort			Game & Fish Comm., Austin
UTAH	Birds \$3.50 Deer \$3.50 Birds, Deer \$6 Incl. Fishing	Bird \$15 Deer \$40	Special Hunts by Areas. Write for information.	Rifle: not less than .22 Cal. or cart. less than 2" or other than exp. bullet.	Dept. of Fish & Game, Salt Lake City
VERMONT	\$2.25-\$3.50 Incl. Fishing \$1 Archery + Spec. License (Deer)	\$15 or \$18 Incl. Fishing \$3.50 Archery + Spec. License Deer + \$15	None	Better write	Fish & Game Service, Montpelier
VIRGINIA	County \$1 (Incl. Fishing) State \$3.50 Hunting Only	\$15.75			Comm. of Game & Inland Fisheries, Richmond
WASHINGTON	State \$4.50; \$8 Incl. Fishing County \$4.25 Incl. Fishing	\$25	Special hunts include Mountain Goat, Armbill Elk and Deer, with some Deer, etc.	No pistols on Big Game. Write for complete information regarding rifles, etc.	Dept. of Game, Olympia
WEST VIRGINIA	\$3 to \$5 Incl. Fishing	\$20.15 Small Game, plus \$1 Big Game		Shotgun: (deer) slugs only Rifle: (deer) .25 cal. minimum	Conservation Commission, Charleston
WISCONSIN	\$3 Small Game \$4 Big Game Hunting, Fishing, Trapping \$10	\$10-Archery (Deer) \$25-\$50	Special Hunts for Geese, Pheasants, Deer	Better write	Dept. of Conservation, Madison
WYOMING	\$5	\$100 Incl. Fishing, or \$10 Birds, \$20 Deer, \$25 Antelope	Many in many areas	Rifle: not less than .23 cal. with cart. not less than 2"	Game & Fish Commission, Box 378, Cheyenne

NOTES:—Information has been obtained from reliable sources but cannot be guaranteed. Some states have hunting licenses available for use in one county only, at less cost than shown on chart. A few states have junior licenses. Blanks indicate no information furnished. District of Columbia: No hunting. In most states non-resident hunting license fee is dependent upon whether birds, small game or big game is hunted. All persons 16 years of age or over hunting migratory waterfowl are required to possess a Federal Duck Stamp. These stamps can be purchased at Post Offices for \$2.00.

*Hunting seasons, both regular and special, vary from year to year and most states advised us that their seasons would not be ready for announcement until after this issue went to press. Write the state in which you are interested, for current information.*

## NEW IDEAS IN TOP QUALITY HOLSTERS



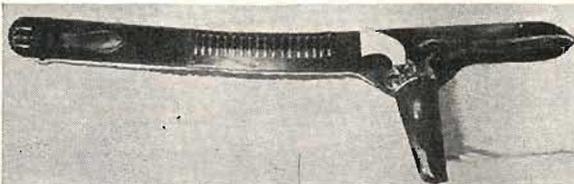
### The Hide-a-Way Holster

Handcrafted for YOU; fits inside trousers band; concealed but available; protects against grease, rust. Wt. 2½ oz. top grain soft cowhide, riveted nickel clip. \$2.95 P.P.



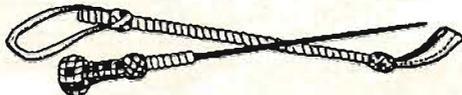
### BLEACHED COW SKULLS

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Fast draw type holster with soft glove leather white lining. Belt and holster in black cowhide only. \$8.99 PP. Send waist size, caliber, model and barrel length of gun when ordering. Double gun set available @ \$13.95 P.P.



### 1127 - SPECIAL: SWORD-CANE, RIDING-CROP

Beautifully made, hand-plaited, genuine leather riding crop, with 18 inch dagger hidden inside. Practical collector's item. \$5.00 PP.

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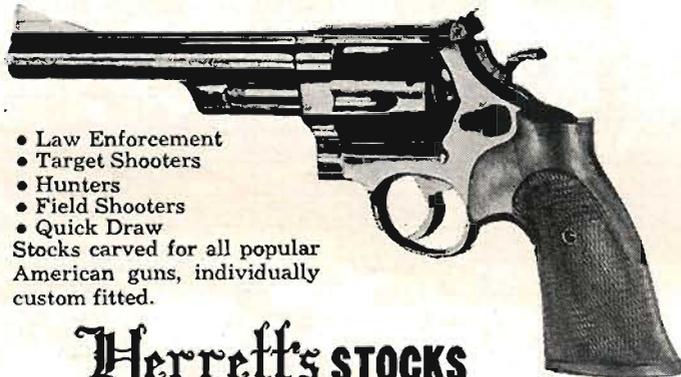
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## HANDLOADING BENCH

(Continued from page 13)

"C" loading press frame, but hardly kissin' kin. The mechanical advantage is greatly increased, and the stroke shortened. A 1½" x 18 thread hole takes dies designed for this unit. I know that many press and die designs were tested and discarded. A great deal of thought and research went into the Swag-O-Matic before C. R. Heckman considered it perfected, and superior to using dies in a loading tool. Heckman says the end products (meaning bullets) are second to none. Handgun calibers are available now, but I have a tip that rifle bullet dies will be supplied soon.

The price is only \$33.00, complete with dies for one caliber. Extra dies are only \$9.00. You can change bullet types with an extra nose punch at \$5.00, or \$7.50 for the Hollow Point. Blank punches let you try your hand at bullet designing, at low cost. You might create a real rip-snorter! The odds are about like filling an inside straight, but it takes less time and money to try. The Swag-O-Matic is strong and simple. Parts are precision made, so they interchange.

Operation is fast and simple. Drop a core in a jacket, place it on the die, operate the handle twice, and a perfect, swaged bullet is ejected automatically. It's ready to load without sorting, weighing, inspection, sizing, or lubricating. Compressing lead under tremendous pressure squeezes out internal and external flaws and air pockets. Excess lead extrudes from the bleed-off hole at the left of the die. The operation is much faster than it takes to tell about it. You can stop work any time you choose, and start again just as quickly.

Bullets are uniform, and very beautifully formed; neatest I've seen. They are slicker than a gun barrel, with no bleed-off tit, and no indication of one. The press has power to spare, even for large calibers. The extremely low price caused me to give my unit a hard work-out, looking carefully for faults I felt sure would turn up. Nothing turned up except perfect, uniform bullets. I loaned my unit to some friends, requesting them to find some "bugs." They didn't find any fault whatever. But I have a few tips on using it.

The C-H Swag-O-Matic lead wire cutter takes all sizes of lead wire. Price is only \$7.50. You can cut cores faster than with any cutter I've tried, as fast as you can feed it wire. My first cutter worked perfectly, until I gave it a "torture test," to duplicate the way some people abuse tools. The blade failed! To C-H this was more shocking than Emily Post eating peas with a knife! They made a heat treated blade and slight design change pronto. This one took all normal abuse a careless novice is apt to give it. I think the first one would have lasted me indefinitely, because I take care of tools, but the new type is better. A few of the first run were sold, and C-H will replace them free if they give any trouble at all.

Hold the cutter in a vise, or mount it on the right end of a bench, and catch cores in a box. If you want it on your bench, disregard the instructions, and bolt it to a 3" length of 2" angle iron screwed to your

bench. This gives more clearance. An extra 5/16" lock nut allows you to leave the adjustment screw set for one weight core, and you can remove or replace the screw without additional adjustment. Extra screws with two nuts allow you to have one set for each core weight you use. C-H liked my idea so much they asked for permission to print it in their next literature. (Granted, of course.)

Exact core weight is not important, so long as the core and jacket weigh 1 to 3 grains more than the desired bullet. Excess lead bleeds-off. I bleed-off 18 grains in one test, but this is excessive, wastes lead, and is not recommended. Dies are adjusted for bullet weight by simply screwing the nose punch in, working the handle every quarter turn or so until 1/4" or more lead squirts out the bleed-off hole.

Directions do not mention that standard length jackets are necessary. Long jackets defeat the advantage of this type bullet. So do short jackets, and gas checks. Long jackets also prevent proper bleed-off. High grade jackets that I recommend are made by Speer, Lakeville Arms, and Bahler Die Shop, in all calibers. Kampen made a run of some 200,000 good .38-357 caliber to use up some metal on hand.

C-H warns that alloyed wire may harm your press, cutter, dies or gun. Top quality unalloyed lead wire is supplied to dealers by Division Lead Co., Summit, Ill., and Speer Products Co., Lewiston, Idaho, who make the well known Speer bullets. Division's "Swag-O-Matic" wire is in 14" lengths, 25 pounds per box, in either .38-357 or .44-45 caliber. Speer supplies 10 pound boxes of 12" lengths in the same calibers, but the wire diameter is slightly different. Both makes are slightly smaller than the 5/16" and 3/8", a change for the best.

You can often cut cores for two calibers without changing the adjustment screw. For example, with the cutter adjusted for 127 grain .38-357 bullets with Division wire, the same setting is good for 192 grain .44 bullets with Division wire. If you change brands of wire you'll have to adjust either your cutter or your dies.

Some lads will want to know if they can use cast cores in the Swag-O-Matic. The answer is, yes. Core moulds are sold by Lakeville Arms, Lakeville, Conn. They are for their Jugular bullets in 127 or 156 grain for .38-357, or 170 and 220 grain in caliber .44. Jugulars do not have the same nose shape, but the Swag-O-Matic easily forms them. For cast cores I recommend jackets made by Lakeville Arms, or Bahler Die Shop, 1500 Thompson Road, Coos Bay, Oregon. Speer's cups are fine with wire slugs, but a bit small for cast types. However, they can be used. C-H recommends extruded lead wire, the same type used by bench resters for superb accuracy.

C-H made the Swag-O-Matic as the first complete swaging unit at a moderate price. Every dealer in the country has it on the shelf, or can get it pronto. It's the hottest item going in the bullet making field today.

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<p><b>ORIGINAL RUSSIAN BERDAN II RIFLES</b></p>  <p>.42 Caliber. 33 1/2" bbl. Finest precision long range rifle of its day. Captured from the Italians and Germans in Russia in World War II. Each an excellent shooter and collector's item. Only \$12.50 ea.; 3 for \$30.00, 5 for \$45.00.</p> <p><b>AMMO SPECIAL:</b> .30-06 Ball M2, U. S. Mfg. factory pack, \$6.00 per 100; \$49.50 per 1,000; (6000) \$42.50 per 1,000; (12,000) \$40.00 per 1,000.</p>	<p><b>IMPORTED MUZZLE LOADERS</b></p>  <p><b>PERCUSSION CAP</b> ALL OTHER MODELS, REVOLVERS, PISTOLS, MUZZLE LOADERS—WRITE!</p> <p><b>INTERNATIONAL FIREARMS CO.</b></p> <p>22 KINGMAN, SAINT ALBANS, VERMONT</p>	<p>Sculptured, highly engraved walnut stock, 30" bbl., inlaid patchbox, ram rod. Each an excellent shooter. Only \$29.50. 2 for \$50.00. Also 35" bbls. Only \$33.50. 2 for \$60.00. Flintlock guns—Bbls. from 35" to 50". Only \$39.50. 2 for \$70.00.</p> <p><b>CANADIAN BUYERS:</b> Write or see the largest display at 1011 Bleury, Montreal, Que.</p>

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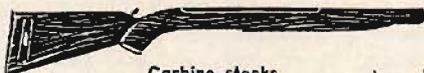
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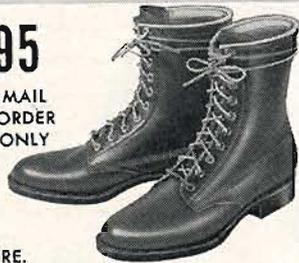
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## GUN RACK

(Continued from page 15)

the backstop so we retired from indoors to the outdoor claypit in Deerfield the following Sunday.

Shooting at about 50 yards in new snow, we found the top barrel printed about 2' left while the bottom tube blasted a cubic yard of snow about 2' right and 2' low. Once we got to know the hold-off, we could hit fairly regularly. There were some misfires with the Magnum Rimfire pistol—why, we cannot say. It was a cold day, and some grease may have slowed up the firing pin. But generally the gun shot okay. The .38 Special pistol also shot satisfactorily. In spite of the big caliber, the small grips held securely, without objectionable kick. Three complaints were registered. First, the opening lever does not line up exactly so it is a little clumsy to unlatch the barrels. Secondly, the firing pins seemed a little light on striking, or perhaps the Magnum rimfire case is a little harder brass in back. Third, the guns all need shooting and filing of the front sights to bring them to a point of aim at, say, 20 yards or less. Much interest was evidenced by the officers from Highland Park in John Picchietti's shooting class there, in getting such guns for off duty.

### Trade Directory Now Out

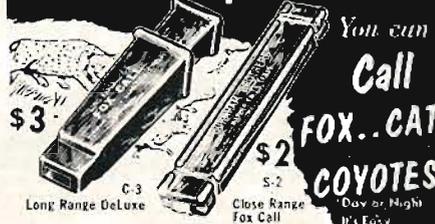
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(Continued on page 77)

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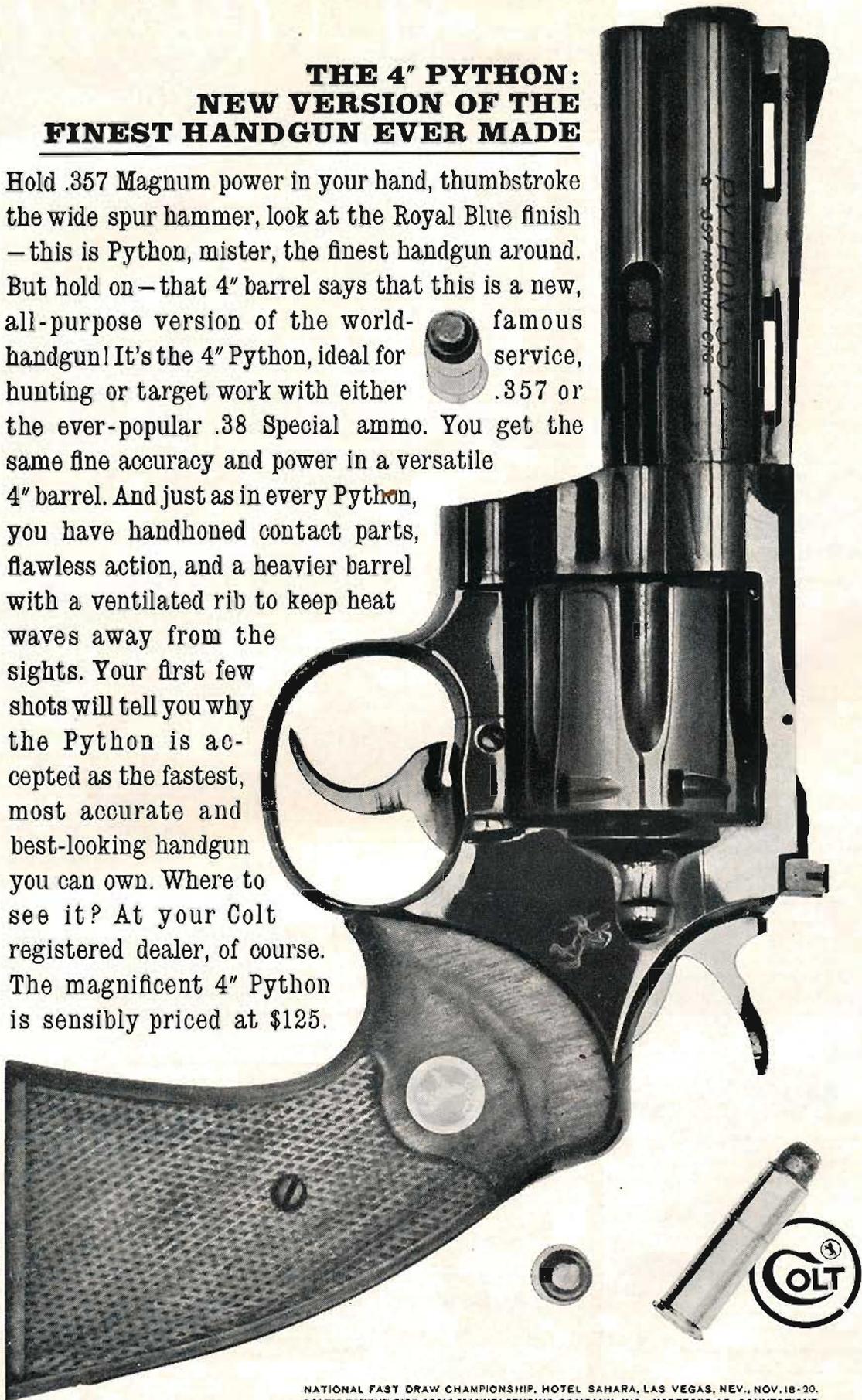


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NATIONAL FAST DRAW CHAMPIONSHIP, HOTEL SAHARA, LAS VEGAS, NEV., NOV. 18-20.  
COLT'S PATENT FIRE ARMS MANUFACTURING COMPANY, INC., HARTFORD 15, CONNECTICUT

(Continued from page 75)

feature in the JGR project is the secret development by two companies not even related to the JGR firm of automatic pistols to handle the new load. A revolver maker had expressed some interest though this seems to have cooled off. It appears likely that on special order a JGR companion handgun will be available soon. This will be announced in GUNS when we can tell more.

### Start A Gun Club

"How You And Your Friends Can Start A Gun Club" has just been published by Sportsman's Service Bureau, 250 East 43rd, New York 17. 24-page booklet will be mailed for 50¢, a dirt cheap way to avoid the haggling and hard feelings which can arise when so individualistic a group as gunners get together to form a club. Layouts for shooting set-ups, refreshment stands, lights for night shooting, are some of the diverse topics helpfully discussed. S.S.B. also publishes the important "Shooting Preserve Management" booklet by Charles Dickey, whose good writing is known in GUNS pages, and of course a new shot at their annual 1960-61 directory of shooting preserves is now out, free.

### Remington .30-06 Brush Carbine

Range test and bear-hunt test of Remington's new M760 18½" brush carbine gives this new version of the popular pump rifle a good score. It's not the rifle's fault Herb Erfurth missed the bear! We first took the little gun to the range, found even with the short barrel there wasn't as much fuss about the muzzle as we expected.

While the .30-06 does bark some in that length, it is not unpleasant. We did not target it, but contented ourselves with busting small rocks on the sides of the clay pit at 40 to 100 yards. The rifle seemed to throw where we held it and we had more to do that day than try to punch tacks with a sawed-off practical hunting carbine. Action is slick and fast for four shots. We have a hunch even at the higher price this short barrel Remington will give the Swedish carbines a run in the market. It's a handy, comfortable and accurate little package. Dragging one through the Canadian brush a month later for a spring bear hunt, GUNS staff associate Herb (fancy name for my shooting partner) had no trouble of any kind... except, he didn't see a bear.

### Collector's Items Of Next Generation

The grand old firm of Marlin Firearms, in business so long John Mahlon Marlin's first guns are collectors' gems and his life history more of a legend, is turning out tomorrow's collectors' items today. Commemorating 90 years of gunmaking, Marlin's presentation Model Golden 39A .22 lever action rifle comes in the long and short or "Mountie" models at just \$100. This handsome get-up of flashy plating, crisp beautiful wood, and carved squirrel on the stock is in the tradition of the super-grade guns of yesteryear. Only 500 of this model, numbered 1-500, will be made. For all-Marlin all-model catalog, send 25¢ to Marlin Firearms Co., 79 Willow, New Haven, Conn.

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## ELMER KEITH SAYS

(Continued from page 8)

rifle muzzle heavy, as Forbes wanted it; but it handles very fast and holds steadily even in the wind in off-hand stance.

Forbes wanted weight to cut down recoil and also for steady holding in the wind. He said he would let the boys carry the rifle anyway, until needed. For close range work on the great game, the sling and swivels are detachable, as are the scope and upper mounts. Then the big ivory bead is snapped up in position, and you have one of the nicest bolt action hunting rifles for dangerous game imaginable. Iver had to make a new ring for adjusting the peep sight, with a set screw to lock it in the down or point-blank zero position. This new collar that Henrikson added allows the peep sight to be raised for longer ranges but, when screwed back down, the set screw stops downward motion at the point-blank which he set at 100 yards.

Proof of the liquor is in the drinking, so Iver and I took it out to the range and sighted both scope and iron sights for 100 yards. The big rifle was the most pleasant .458 to shoot that I have seen, and with either scope or iron sights would easily stay in one inch at 100 yards with factory soft point 510 grain ammunition. For late evening or early morning work on the plains, or for long shots, Forbes has the good Weaver scope, and for all jungle and thorn-bush work at close range on elephant or buff, he has a mighty iron-sighted rifle.

The rifle required several months to build and though it cost just over \$450, I do not believe Iver Henrikson made anything on it at all. Henrikson is a master rifle maker and also one of this country's best gun stockers. He takes great pride in his work and the finished job has to be nothing less than perfect to get out of his shop.

Forbes has just finished an elephant and buffalo hunt and will be visiting me this summer to try out his new rifle. He is a very experienced old hand at elephant hunting, made three long elephant hunts with W.D.M. Bell, and hunted ivory in the Lado Enclave in the old days. He is a man nearing eighty but still a fine game shot and one who has used both small bores and large bores on elephant and buff. Only recently, he killed two big tuskers and some buffalo with an over-under Sodra with .22 High Power in one barrel and 9.3x74 in the other, using solids in both; but he says something of .450 caliber upwards is best. He used his .500 Westley Richards to make a brain frontal shot on a tusker on his trip with White Hunters Ltd. while out with Bob Foster.

Like W. D. M. Bell, who was a lifelong friend of Forbes, Forbes can get away with using a small bore on elephant where the average hunter would get himself nicely rubbed out. He turned one charging elephant with a pointed Winchester .22 Hi-Power solid that went right through one tusk on this last trip, then killed the bull as it swerved with a solid from the 9.3x74 barrel to the brain. In this new Henrikson .458 Winchester, he has a most unusual rifle, built exactly to his specifications. It is not only a unique weapon but a very practical one as well, and I am anxious to see his reactions to it when he arrives stateside this summer.

(Continued on page 81)

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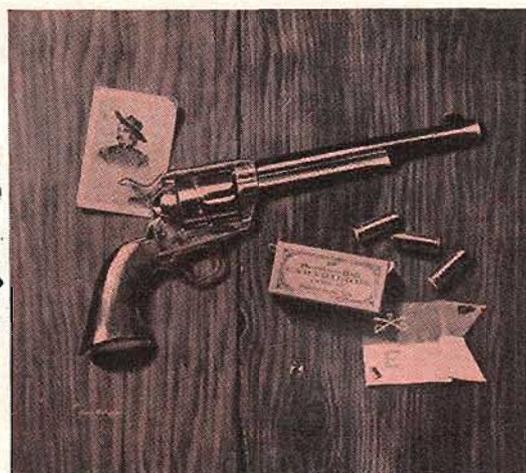
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LARGE 11 X 15 INCH PAINTING IN BRILLIANT FULL COLOR INCLUDED IN EVERY ISSUE OF GUNS QUARTERLY

(Continued from page 79)

### High Standard Long Arms

High Standard announces a complete line of pump and auto loading shotguns, with five models offered in each action. All are 12 bore, but about any desired barrel length may be had in the various models, with plain or ventilated rib barrels and standard choke or adjustable compensated chokes as desired. Their Supermatic Duck gun is also chambered for the 3" magnum 12 bore load.

Stock dimensions run 14" length of pull, with drop of 1 1/2 x 2 1/2", and will fit most shooters. Weights run from about 7 1/4 pounds to 8 pounds for the Magnum auto loader. Prices of the auto loaders range from \$114.95 to \$142.50, and for the fine pump action guns from \$74.50 to \$99.50. These popularly priced shot guns should find a ready sale when backed by a company like High Standard.

The company also announces their new .22 caliber auto loading rifle in two models: the Sport King Special at \$44.95, and the Sport King Field at \$42.50. These are well designed, stream-lined rifles with the well-liked tubular magazine and with a handy thumb safety on right rear of receiver. Open sights on both models, with the usual step-ladder adjustment of 25 yard increments on the rear sight. Magazine capacity, 15 LR or 21 Shorts. Weight 5 pounds 10 ounces for the higher priced Special model.

Although Hi-Standard have long been famous for their auto loading .22 caliber pistols and Double Nine .22 revolver, as well as for rifle barrels, this is their first entry into the complete long gun field. This company is also the first producer of a real Free Pistol in this country that is hoped will perform on equal footing with the best in European manufacture at the Rome Olympic games. Write High Standard Co., Hamden, Conn., for brochure.

### Gunsmith Schools

We get a number of letters from young men wanting to know where they can take a course in gunsmithing. Here are some of the credited gunsmithing schools we know of: Lassen Junior College, Susanville, Calif. (My old friend Jack Frost headed this one for years and may still be in the saddle); Colorado School of Trades, Denver, Colo.; Trinidad Junior College, Trinidad, Colo.; Burbank Unified School District, Division of Special Services, 245 East Magnolia Blvd., Burbank, Calif.; Oregon State Vocational School (Gunsmithing), Klamath Falls, Oregon; and the Pennsylvania Gunsmith School, 2236 East St., Pittsburgh 33, Penna.

### Factory Loaded Wax-Bullet Ammo

Colts' sponsoring the quick draw phase of sixgun work, now announce a wax-bullet factory loaded cartridge in .38 and .45 calibers.

Individuals and quick draw clubs throughout the country have long loaded wax bullets by simply priming their fired cases and forcing them down through a block of wax to cut out their own wax-bullet loads. This new Colt cartridge is red in color and utilizes a polyethylene material for the cartridge case. It is reloadable, but only with wax bullet primer-propelled loads. No powder is used. Price per box of 50 rounds, either caliber, is \$2.50 and will be available only through registered Colt Dealers.

This new ammunition should be quite a



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boon to the quick draw fans for practice, and for police units as well where use of live ammo is not safe. The new loads are claimed to be reasonably accurate to 25 feet.

### Swedish Carbine Tested

After Eddie Schaller, our local gunsmith, fitted a Williams Fool-proof receiver and a sourdough front sight to a little Swedish Mountain carbine sent us for test by Mars Inc., 3318 W. Devon Ave., Chicago, we sighted it in with the excellent 156 grain full patch military ammo sent with the rifle. It shot into one inch at 100 yards a good part of the time, from rest.

We then tried it with the excellent Norma

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### POLISHING WHEELS



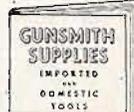
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3"	1 1/2"	1/2"	1.75
3 1/2"	1 1/2"	1/2"	1.85
4"	1 1/2"	1/2"	2.10
4"	3/4"	1/2"	2.55
5"	1 1/2"	1/2"	2.80
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**STITH MOUNTS**

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156 grain soft point, and found this ammo printed to exactly the same elevation and with the same accuracy. We had some groups as large as 2 1/2", but a called shot was out of the normal group in each case.

Why this little 17 1/2" barrel carbine (now legal length due to recent good works of the Congress) should shoot as it does, we do not pretend to know, but strongly suspect it is due to a perfectly straight and rather stiff stepped-down barrel, the full military stock, and the considerable weight in the stock, hand guard, muzzle cap, and bayonet catch. This strip of metal runs well down the forestock from the muzzle cap and further stiffens the rifle. The short stiff barrel must have very little whip.

The rifle works slick as grease with either Norma 156 grain soft point or the military full patch ammunition and I cannot think of a nicer little deer cartridge. I believe this rifle with a good hunting scope and proper holding would take the X ring out of our standard small bore 100 yard targets most of the time with this Norma-Precision 156 grain ammunition.



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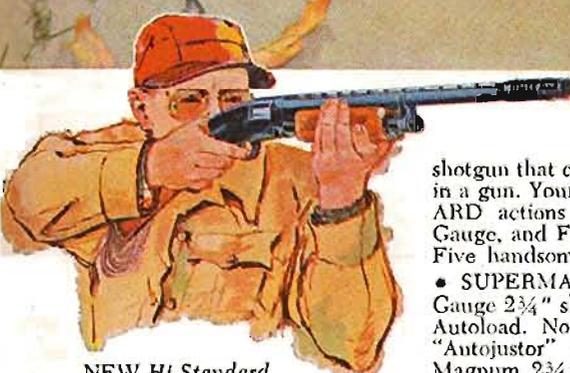
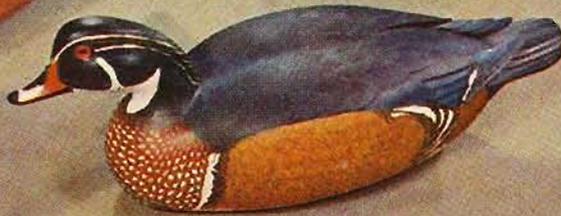
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