THE DEPARTMENT OF THE TREASURY
WASHINGTON, D.C. 20220

DEPUTY ASSISTANT SECRETARY

MAY 8 1972

Dear Mr. Spenceley:

Your letter of March 27, 1972, to President Nixon with an enclosed questionnaire concerning various aspects of the gun control issue has been referred to this office for reply. Since your questionnaire invites additional comments but provides only limited space for this purpose, I have prepared the attached memorandum which sets forth the views of the Administration on the specific questions you ask.

This Administration's policy toward gun control has been continuously and consistently announced since the days of the 1968 campaign; gun control is basically a question for state and local governments. The degree of control over firearms should be decided by the democratic process in local jurisdictions. The proper role for the Federal government is to prohibit transactions in interstate commerce which violate state and local laws. This is the basic thrust of the Gun Control Act of 1968 and continues to be the proper Federal response. In the future we hope to have some suggestions for the Congress to make things tougher on the criminal, and less burdensome to honest citizens.

Sincerely yours,

William L. Dickey

Mr. James Spenceley
President, Sportsmen's Alliance
of Michigan
429 North Pine Street
Lansing, Michigan 48933

Enclosure

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M E M O R A N D U M

1. Do you believe that private ownership of handguns should be prohibited?

No. A total ban on handguns, which would necessarily include confiscation of those already privately owned, would be impractical, undesirable, and probably unconstitutional.

2. Do you believe that the private ownership of rifles and shotguns should be prohibited?

No. For same reasons set forth in answer to Question 1.

3. Do you believe that all handguns should be registered by the federal government?

No. This is a question for state and local governments. The problems of New York City are not the problems of Montana or Idaho. Blanket Federal registration would ignore these vast differences.

4. Do you believe that all rifles and shotguns should be registered by the federal government?

No. For same reasons set forth in answer to Question 3.

5. Do you believe that the owners of handguns should be licensed by the federal government?

No. Licensing of owners of handguns is a matter for state and local governments. National legislation further restricting firearms ownership and non-criminal use would be oppressive of the rights of citizens and violative of concepts of federalism.

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6. Do you believe that the owners of rifles and shotguns should be licensed by the federal government?

No. The same considerations mentioned in the answer to Question 5 apply here.

7. Would you support repeal of the restrictions on the sale of ammunition imposed by the Federal Gun Control Act of 1968?

No. However, the ammunition recordkeeping requirements have proved burdensome and of little value for law enforcement purposes.

8. Would you support repeal of the restrictions on the sale of commercially manufactured black powder imposed by the Organized Crime Control Act of 1970?

No. Black powder is defined and classified as an explosive by other Federal agencies, the military, by the Institute of Makers of Explosives, and other authorities in the explosives field.

9. Do you believe in additional mandatory sentences for those found guilty of crimes of violence while in personal possession of firearms or explosives?

No. Section 924(c) of Title 18, United States Code, already provides stringent mandatory penalties for persons using a firearm to commit a felony which may be prosecuted in a court of the United States, and for persons carrying a firearm unlawfully during the commission of a felony which may be prosecuted in a court of the United States. Each state should decide for itself whether to have its own mandatory sentences.

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10. Do you believe that the Second Amendment to the Federal Constitution is relevant to our present-day society?

Yes, every provision of the Federal Constitution is relevant to present-day society.

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REVIEW *and* OUTLOOK

Wall Street Journal. June 7, 1972

Understanding Gun Control

The impressive and puzzling aspect of the gun control issue is the vehemence of the opposition. Our current series on guns has drawn reams of protesting letters, a few of which are printed alongside.

Yet in fact nothing especially drastic or threatening is being advocated, least of all by our news writers, who are merely reporting what is abroad in the land. In the real world, gun control advocates are pressing things as innocuous as a federal law banning the importation of parts for cheap handguns that cannot be legally imported whole. The most sweeping serious proposals concern requiring permits for handguns, a system some cities have lived with for many years.

Such proposals strike us as merely sensible, though we doubt that they would accomplish any miracles. It's hard for us to believe better gun laws would have made much difference, for example, to anyone as highly motivated as Arthur Bremer must have been if the charges against him are true. And with some 30 million handguns already loose in the nation, it will be a long time before such guns become rare enough to add to anyone's peace of mind. Yet even if controls merely slowed the growth in gun numbers they would prevent many senseless accidents, and even if the immediate results are not dramatic you have to start sometime.

We doubt even more, though, that requiring permits for handguns would do anyone any harm. A few target shooters would need to go to the trouble of registering, but the number of handgun target shooters is minuscule. An ordinary home owner would not legally be able to have a pistol for protection, but handguns at home seem to be a greater danger to the innocent than to anyone else.

So why do such essentially modest proposals stir such sharp passions? That question is probably the key to understanding the issue, and perhaps to unlocking the political deadlock that has thwarted most efforts at stronger controls.

Even without resort to pop psychiatry, certain explanations are obvious. Anyone who feels strongly enough to want a gun for protection is likely to feel strongly about proposals to take it away. Even though statistics suggest you are more likely to be hurt in a gun accident than by an intruder, it is not entirely irrational to prefer the risk over which you have greater control, and suggestions to the contrary are likely to be resented.

There is a less obvious explanation, though, that we think is highly important. Gun control is another issue that has been wrapped up in our society's cultural divisions. The real pressure for gun control comes from cosmopolitan America, which sees it as the plainest common sense. The real resistance comes from the redoubts of bedrock America, which sees gun control as another symptom of encroachment by a new culture.

Thus to the opponents of controls, what is at stake is not merely the immediate proposals but an entire moral universe. To understand the broader relationships, take a hypothetical example of two women threatened with rape, or even merely with mugging. The first cooly calculates the risks, and quite logically decides that there is more to be lost than gained by resisting. The second instinctively grabs a gun and kills the brute. Which woman do you admire?

We find this no easy question. The older American culture of course admires the second woman, and the broader moral outlook this answer connotes has been responsible for much of the American achievement. It's more than a joke when the bumper stickers say the West was not won with a registered gun. Yet the new and spreading culture comes much closer to admiring the first woman, even, depending on the details, to looking on the second with some revulsion. And gun control seems, at least to its opponents, to legislate this more cosmopolitan moral outlook.

This comes at a time when the moral leadership of cosmopolitan America is increasingly suspect. Its leadership is under assault on a whole range of issues: school busing, abortion, law and order, patriotism. Even when cosmopolitan Americans have been right in their judgments, which is scarcely all the time, they have too often been careless of the complexities, contemptuous about the views of others, and willing to advocate measures of dubious effectiveness at great cost to other Americans and no cost to themselves. Gun control, to its opponents, is another issue that fits the pattern perfectly.

While we sympathize with much of this feeling, we think this is one issue where cosmopolitan America happens to be right. The public opinion poll data showing heavy support for strong controls suggests that a lot of other people normally suspicious of the cosmopolitan culture agree with it in this particular. In short, the case for stronger controls can be separated from the broader clash of moral universes.

We suspect that this separation is crucial to draining some of the passion from the issue, and to overcoming the political roadblocks such passion creates. Thus the proponents of controls could help matters by recognizing the broader implications, by going out of their way to avoid suggesting that their adversaries are mental or moral degenerates, and by scrubbing from their arguments all overtones of cultural conquest.

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GUN CONTROL

Q: Sir: Do you share Pat Gray's view on the registration and licensing of handguns in the United States?

A: Well, I am not fully conversant with his views; but he has always had my ~~esteem and~~ increasing respect; and is doing an excellent job. On the matter of gun control, at the federal level, I believe I expressed myself several weeks back; I will support and sign legislation specifically directed to control the use of those cheap ~~shoddily made,~~ often imported and unsafe handguns -- referred to as Saturday Night Specials, the ones so commonly associated with urban crime. That is our present position.

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However, keeping in mind that our objective is to keep these guns out of the hands of criminals we want to be sure that the law we create will not punish the inocent lawbidding sportsman and citizen. A law that punishes those who do not the inocent, those who commit no crime, serves no purpose.

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GUN CONTROL

This Administration has consistently supported effective enforcement of the Gun Control Act of 1968. This law provides for:

(1) Federal licensing of all firearms importers, manufacturers, and dealers.

(2) Outlawing the mail order purchase of firearms and ammunition, as well as any sale of handguns or handgun ammunition to minors.

(3) Severely taxing the manufacture or transfer, and require the registration of, any firearms other than traditional rifles, shotguns, and pistols (i.e. machine guns, sawed off shotguns, and rifles, and other more sophisticated weapons).

(4) Outlawing the receipt, possession or transportation of any firearms by: convicted felons, mental incompetents, drug addicts, dishonorably discharged veterans, fugitives from justice, and aliens who are illegally in this country.

(5) Prohibiting transactions in interstate commerce which violate state and local laws.

To strengthen enforcement of the Gun Control Act, this Administration, just six weeks ago, upgraded the Alcohol, Tobacco, and Firearms unit which has enforcement jurisdiction from a Division of the IRS to a full fledged law enforcement agency of equal status as, for example, the Secret Service. This new agency has been placed, effective July 1, under the direct supervision of the Assistant Secretary of the Treasury for Enforcement.

Over the past two years, the Administration has worked with the Congress on ways to eliminate cheap handguns. As I mentioned before, a fuller report on the specific studies which have been undertaken to develop methods of controlling these guns can be obtained from the Treasury Department.

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Treasury, NRA Attack Gun Measure

United Press International

The National Rifle Association said yesterday that proposed legislation to greatly tighten gun controls would drastically increase local government costs and swamp the already overloaded judicial system.

Maxwell E. Rich, executive vice president of the NRA, told a House Judiciary subcommittee the NRA supports legislation to crack down on illegal use of weapons, but "to think that criminals would register their firearms defies logic."

Assistant Treasury Secretary Eugene T. Rossides, giving the official administration position on gun control, joined the NRA in contending that registration and licensing of firearms should be left to state and local governments.

"If we were to establish broad federal authority in this area, we would also create the need for a national police force for enforcement, and that is a concept we strongly oppose." Rossides said.

The controls the House group is considering would be much stiffer. The bill proposed by the House Judiciary Committee chairman Rep. Emanuel Celler (D-N.Y.) would require registration of all firearms and licensing of all gun owners. It would prohibit sale of handguns to anyone except police departments, gun clubs and other authorized organizations such as the military.

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UNITED STATES DEPARTMENT OF JUSTICE

LAW ENFORCEMENT ASSISTANCE ADMINISTRATION

WASHINGTON, D.C. 20530

OFFICE OF THE ADMINISTRATOR

JUL 14 1972

MEMORANDUM FOR: John D. Ehrlichman
Assistant to the President
for Domestic Affairs

SUBJECT: Federal Law Enforcement Assistance to Philadelphia

A commitment has been made to Mayor Rizzo to provide substantial federal assistance to law enforcement in Philadelphia. The city has applied for a discretionary grant in the amount of $15.6 million to hire 900 additional policemen and purchase new cars.

In previous memoranda and discussions, I have outlined some of the difficulties we have with that proposal as presently written.

A meeting has been arranged for 2 p.m. on Monday, July 17, at which Mr. Krogh and I, together with two members of my staff, will meet with Mayor Rizzo and Managing Director Hillel Levinson. The suggested strategy for that meeting is outlined below:

1. It will be stressed to the Mayor, as it has been in the past, that a resolution of the relationship between Philadelphia and the state regarding control of the Philadelphia Regional Criminal Justice Planning Council must be pursued as the most productive ways of assuring that the city's share of Pennsylvania's block grant funds (approximately $6 million this year) will be allocated in response to the city's own priorities. Attached to this memorandum is a letter from me to Governor Shapp urging a resolution of the matter. We will seek Mayor Rizzo's concurrence in the letter at the meeting on Monday.

2. LEAA, using discretionary funds, will deliver over the next four or five months, up to $4 million to the City of Philadelphia for four separate high-crime area projects, subject to approvable applications. These will be projects involving additional police and cars, consistent with the pending application. Two of the projects would be funded with FY 72 money, two with FY 73 money.

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3. Concurrently, we will establish in Philadelphia a Crime Analysis Team, similar to those currently working in the eight Impact Cities, in order to lay the foundation for additional LEAA funding, both discretionary and block grant. This team will emphasize the crime-specific planning which has been assigned the top priority by LEAA in the Impact Cities. We would expect the CAT to report no later than December 1, 1972.

4. We will assist in the restructuring of the regional planning council so that it will be more responsive to Mayor Rizzo's priorities and in the development of a Criminal Justice Coordinating Council, such as that now operating in New York City, Chicago and other major cities.

I believe you are aware of the litigation involving minority hiring practices in Philadelphia. The court has held that new hirings and promotions must be on the basis of one minority person for every two whites hired or promoted by the Philadelphia Police Department. Mayor Rizzo has been quoted as saying that he will hire or promote no employees under that formula and that the court must take the responsibility for the 40 officers Philadelphia loses each month through attrition. This problem must be addressed at the meeting on Monday.

Mayor Rizzo's principal concern pertains to additional patrolmen and police cars. It should be noted, however, that significant assistance in other aspects of the criminal justice system have been and will continue to be made available to him. We have already announced a $1 million narcotics diversionary project, under Dr. Jaffe's direction. A hundred thousand dollar project of the Office of Drug Abuse Law Enforcement has been announced. Both projects are funded by LEAA. In addition, our Philadelphia Regional Office has earmarked $450,000 in Part E (Corrections) funds specifically for correctional improvement in Philadelphia.

It is my intention to convey to the Mayor a sincere and earnest desire to fulfill our commitments, consistent with the situation in Philadelphia and Pennsylvania and subject only to the restraints imposed by our statute. I am hopeful that the suggestions outlined here will meet with his approval.

JERRIS LEONARD
Administrator

Attachment

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THE WHITE HOUSE

WASHINGTON

July 21, 1972

MEMORANDUM TO: JOHN ERHLICHMAN
MIKE BALZANO

FROM: PAT BUCHANAN

As you can see, we have a small problem here on the gun control issue.

Buchanan

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MANCHESTER NEW HAMPSHIRE UNION LEADER
New Hampshire's Largest Daily Newspaper

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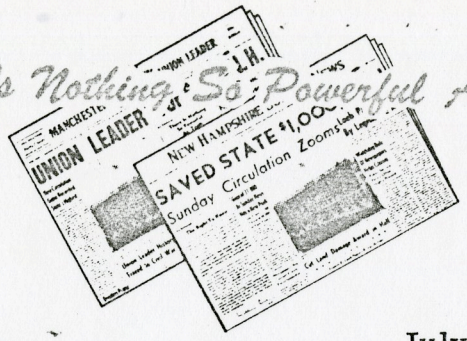

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MANCHESTER, N. H. 03105
AREA CODE 603-625-5432

WILLIAM LOEB
PRESIDENT AND PUBLISHER

July 18, 1972
(dict. July 17)

Mr. Pat Buchanan
The White House
Washington, D. C.

Dear Pat:

You will recollect the time that I took you to see Hal Glassen in New York, who, at that time, was President of the National Rifle Association, on the subjec t of persuading the NRA to endorse the President for election in 1968. You will further recollect that they did, and that shortly thereafter the President made a statement that he didn't own any guns and wasn't a sportsman, etc., obviously trying to pick up the votes on the other side.

This wasn't very smart because we had pictures in the files of the NRA of the President receiving a gun at a special presentation at an NRA banquet. Also, the million NRA members and the 17 million licensed hunters in the United States are pretty gutsy fellows, and they don't like to be double crossed when they have done something they never did before. So, I think the President more or less destroyed much of the benefit of the endorsement he received.

Now the NRA Executive Committee, of which I am a member, met this last week-end in Washington--incidentally, I wanted to get in touch with you so that we could have that long delayed dinner, but in between meetings Nackey and I had to go to Philadelphia to see Frank Rizzo, and so once again we were deprived of the privilege of that date.

At any rate, attached is the latest statement by the NRA against the Bayh Bill. As you can see, there are no ifs, ands, or buts about it--we are "agin" it. With McGovern urging more legislation, and his vice president putting out statements that sound good to those sportsmen who might be gullible to swallow them, it seems to me the right and politically practical position for the administration would be to not only urge no more gun legislation, but to strongly oppose the Bayh Bill.

This statement by the NRA Executive Committee as you will see is now the policy of the NRA and supercedes any statement made by any officer or anybody else. Some of the directors seemed to feel that some of the staff of the

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White House with whom they were dealing got the impression that the NRA was not against the Bayh Bill; the NRA is 100% against the Bayh Bill.

I hope that you will put this idea across to the President in very clear terms.

Regards,

Bill

William Loeb
President

WL/Mrs. J. Tancrede

Encl.

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NATIONAL RIFLE ASSOCIATION OF AMERICA

Statement on Bayh Bill

The National Rifle Association is compelled in good conscience to oppose the Bayh Bill, S. 2507, because it has been misrepresented to the American public and in reality represents a long and dangerous step toward disarming law-abiding American citizens at all levels of our society.

The Bayh Bill has been described by its supporters as merely a measure to outlaw so-called "Saturday Nigh Specials", (a meaningless catch phrase), a kind of small handgun that has never been successfully defined.

If the bill merely outlawed the sale of handguns which are unsafe or unsuitable for any lawful purpose, we would not object. Such is not the case. This bill minimizes the question of safety, and the only criteria provided is size and barrel length. And the Secretary of the Treasury could add other restrictive criteria, thereby empowering him to decide what firearms Americans may or may not own; to outlaw by regulation the sale and manufacture of all handguns.

Beyond that, the Bayh Bill would require the government to buy up all banned handguns at a tremendous cost to the taxpayers with no assistance in taking them away from criminals.

Beyond that, the Bayh Bill, by prohibiting further U.S. manufacture of virtually all small revolvers and pistols, would mistakenly deprive millions

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of law-abiding citizens of a type of firearm particularly suited for the defense of their families and businesses. The Bill would leave the American public more at the mercy of criminals than ever before and could encourage a sharp rise in crime. This bill, an evil effort to disarm the people, should be definitely rejected by the Congress.

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FBI Chief Favors Gun Curbs

THE WASHINGTON POST
Saturday, July 22, 1972 B5
. . . R1

NEW YORK, July 21 (UPI) —Acting FBI Director L. Patrick Gray has announced he favors a "complete ban" on the sale of cheap handguns known as "Saturday night specials," and the licensing and registration of other firearms.

Gray's predecessor, the late J. Edgar Hoover, also supported bans on mail order firearm purchases and said interstate firearms control legislation should be enforced. Hoover said in 1967 he felt the thrust should at the local level, with strong federal assistance.

The FBI director's comments were reported by the New York Daily News in a story from Washington. He emphasized that he was speaking only for himself and not for the Nixon administration.

"I'm dead set against those guns," Gray said of the cheap handguns. "They ought to be banned totally, completely and thoroughly."

He said firearms have been used in so many homicides "that we ought to endeavor to control them." Citing constitutional guarantees of the right to bear arms, he said he doubted it would be possible to ban firearms completely. "But that does not mean that we cannot regulate firearms," he said.

Gray said in response to a question: "I personally have in mind the licensing and registration of firearms."

On another subject, Gray was quoted as saying the FBI does not engage in political surveillance but that certain radicals need to be observed "because of the violence they do."

half yearly sale now in progress

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Sen. Hart on Firearms

Your July 25 editorial favoring strong handgun controls is a welcome addition to the public call for congressional action. We must diminish the tragic frequency of violence in America.

Senator Bayh's persistent efforts to eliminate Saturday Night Specials from the marketplace are an important step in this direction, which I support. But your editorial erroneously indicated that I had also proposed licensing and registration for all firearms.

My position is different, for I have concluded that privately owned handguns—of any type—simply have no place in today's society. The bill I propose would enact The Post's own "often-stated preference": a prohibition on the possession of handguns by anyone except the military, the police and approved security guards. Limited exemptions would be made for licensed target pistol clubs which securely stored their weapons and for inoperable collectors' items.

Your editorial makes the single most important point, one often missed in the heated debate over gun control:

> "Any deterrent effect (of crime) that private weapons have is more than offset, in our view, by the danger that careless, accidental or passionate use of private weapons poses to the lives and health of innocent citizens."

The fact is that the bulk of homicides committed each year—not to mention serious injury—do not involve criminals attacking strangers, but rather involve acquaintances. Handguns are rarely used successfully by law-abiding citizens for protection. They are far more likely to be used in a quarrel between friends or relatives with tragic results. In short, even if some criminals could still obtain handguns, the rest of us would be safer if we did not have them.

For this reason, the United States Conference of Mayors, a majority of the National Commission on Reform of Federal criminal Laws, the Chicago City Council and the sheriff of Los Angeles County have recommended that private possession of handguns be ended.

PHILIP A. HART,
United States Senator (D-Mich.).

Washington.

July 27, 1972 Post

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NATIONAL RIFLE ASSOCIATION OF AMERICA

Statement on Bayh Bill, S. 2507

("Handgun Control Act of 1972")

1. The National Rifle Association is compelled to oppose the Bayh Bill, S.2507, because it has been misrepresented to the American public and, in reality, represents a long and dangerous step toward disarming law-abiding American citizens at all levels of our society.

2. The Bayh Bill has been described by its supporters as a measure only to outlaw so-called Saturday Night Specials, a meaningless catch phrase for a kind of small handgun that has never been successfully defined.

3. If the bill merely outlawed the sale of handguns which are unsafe or unsuitable for any lawful purpose, we would not object. Such is not the case. This bill minimizes the question of safety, and the major criteria provided are size and barrel length. The Secretary of the Treasury could add other restrictive criteria, thereby empowering him to decide what handguns Americans may or may not own; and to outlaw by regulation their sale and manufacture.

4. Further, the Bayh Bill would require the Government to buy banned handguns at a tremendous cost to the taxpayers, with no assurance of taking them away from criminals.

5. Beyond that, the Bayh Bill, by prohibiting further U.S. manufacture of virtually all small revolvers and pistols, would mistakenly deprive millions of law-abiding citizens of a type of firearm particularly suited for the defense of their families and businesses. Its enactment would leave the American public more at the mercy of criminals than ever before and could encourage a sharp rise in crime. This effort to disarm the people should be rejected by the Congress.

* * *

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Department of the Treasury

Internal Revenue Service

Factoring Criteria for Weapons

Note:

The Internal Revenue Service reserves the right to preclude importation of any revolver or pistol which achieves an apparent qualifying score but does not adhere to the provisions of section 925(d)(3) of Amended Chapter 44, Title 18, U.S.C.

Pistol model _____

Individual characteristics and factor allowance	*Sub-total (points)*
Overall length	
For each ¼" over 6" (1 value)	_____
Frame construction	
Investment cast or forged steel (15 value)	_____
Investment cast or forged HTS alloy (20 value)	_____
Weapon weight w/magazine (unloaded)	
Per ounce (1 value)	_____
Caliber	
.22 short and .25 auto (0 value)	
.22 LR and 7.65mm to .380 auto (3 value)	
9mm parabellum and over (10 value)	_____
Safety features	
Locked breech mechanism (5 value)	_____
Loaded chamber indicator (5 value)	_____
Grip safety (3 value)	_____
Magazine safety (5 value)	_____
Firing pin block or lock (10 value)	_____
Miscellaneous equipment	
External hammer (2 value)	_____
Double action (10 value)	_____
Drift adjustable target sight (5 value)	_____
Click adjustable target sight (10 value)	_____
Target grips (5 value)	_____
Target trigger (2 value)	_____

Prerequisites:

1) The pistol must have a positive manually operated safety device.
2) The combined length and height must be in excess of 10" with the height (right angle measurement to barrel without magazine or extension) being at least 4" and the length being at least 6".

Score achieved _____

Qualifying score is 75 points

Revolver model _____

Individual characteristics and factor allowance	*Sub-total (points)*
Barrel length (muzzle to cylinder face)	
Less than 4" (0 value)	
For each ¼" over 4" (½ value)	_____
Frame construction	
Investment cast or forged steel (15 value)	_____
Investment cast or forged HTS alloy (20 value)	_____
Weapon weight (unloaded)	
Per ounce (1 value)	_____
Caliber	
.22 short to .25 ACP (0 value)	
.22 LR and .30 to .38 S&W (3 value)	
.38 special (4 value)	
.357 mag and over (5 value)	_____
Miscellaneous equipment	
Adjustable target sights (drift or click) (5 value)	_____
Target grips (5 value)	_____
Target hammer and target trigger (5 value)	_____

Prerequisites:

1) Must pass safety test.
2) Must have overall frame (with conventional grips) length (not diagonal) of 4½" minimum.
3) Must have a barrel length of at least 3".

Safety test:

A Double Action Revolver must have a safety feature which automatically (or in a Single Action Revolver by manual operation) causes the hammer to retract to a point where the firing pin does not rest upon the primer of the cartridge. The safety device must withstand the impact of a weight equal to the weight of the revolver dropping from a distance of 36" in a line parallel to the barrel upon the rear of the hammer spur, a total of 5 times.

Score achieved _____

Qualifying score is 45 points

Legislative Information Service
National Rifle Association of America

THE FACTORING CRITERIA SET FORTH ABOVE HAVE BEEN INCORPORATED INTO THE BAYH BILL, S. 2507, AS REPORTED OUT OF THE SENATE JUDICIARY COMMITTEE.

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GENERAL STATEMENT

1. Two major public opinion polls reveal a distinct decline in sentiment supporting gun purchasing permits and gun registration.

2. In 1968 after the Kennedy-King assassinations, the Harris Survey recorded 81% of all Americans polled as favoring registration of all firearms. This year, with the question limited to registering handguns, Harris reported only 70% in favor of such a registration.

3. As far back as 1938 (correct), an early Gallup Poll gave 80% as favoring gun registration. Gallup later switched the question to whether gun buyers should be required to have permits, something different from total registration. Percentages favoring this are given as 75% in 1960, 78% in January, 1964, and 71% this year.

4. Although both of these major polls still indicate more than half of the public favors gun controls, a college campus survey by the Greenwich College Research Center, New York City, recently found barely 50% of students favor them. More significantly, the college poll reported that while nearly 50% of students favoring banned all privately-owned firearms after the 1968 assassinations, 80% are presently against such a ban.

5. Regardless of what the technical poll takers find, many soundings of public opinion by spontaneous means, such as telephone responses to television and radio programs and Congressional questionnaires to constituents, disclose a strong trend counter to survey results favoring gun controls.

6. There is also a distinct and growing trend to demand better law enforcement in lieu of "passing more laws." The potent American Medical Association at its national convention this June declined to vote either way on the gun control issue but came out for "strict enforcement" of laws against violent crime.

Ashley Halsey, Jr.

7/26/72

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Summary of Certain Congressional Polls on Stricter Law Enforcement

Rep. James C. Cleveland (2nd Dist., N.H.):

- 62.4% held failure of the courts to deal promptly and toughly with criminals as the cause of crime
- 3.1% blamed the ready availability of firearms to everybody (TAR, 3/70)

Rep. Edward R. Roybal (30th Dist., Calif.):

- 43.4% want stiffer penalties for crimes
- 43.6% want to crack down on narcotics
- 33.1% would expand anti-poverty programs
- 31.4% want Federal assistance for local police (TAR, 11/70)
- 29.8% want gun laws for crime control

Rep. John E. Moss (3rd Dist., Calif):

- 38% - stronger gun controls lessen crime
- 34% - controls have no effect on crime
- 28% - controls infringe on individual rights (TAR, 1/71)

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Some Pro-Gun Responses to Polls and Inquiries

Sen. Philip Hart (Mich.): mail 607-99 against his handgun ban bill (TAR, 12/71)

Rep. Tim Lee Carter (5th Dist., Ky.): 68% oppose Federal gun registration
23% favor
9% no opinion (TAR, 1/71)

"When the Washington Star station WMAL mounted the most intense television campaign on record for gun control last fall, its letters ran 2-to-1 against it." TAR, Feb., 1972

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July 25, 1972

SUBJECT : Summary of Recent Media Polls on Firearms Legislation

THE ADVOCATES, November 16 and 18, 1971, aired over TV stations KCET, Los Angeles and WGBH, Boston on the question of a national handgun ban.

written response 5-1 against a handgun ban.
25,690 wrote in to oppose the gun control legislation
5,261 wrote in to favor (The American Rifleman, Feb., 1972)

THE ADVOCATES, May 3, 1970, aired over TV stations KCET, Los Angeles and WGBH, Boston on the handgun ban question. Letters ran:

56% against banning handguns
43.6% favoring it

sample states against:
Massachusetts, 496-184
New Jersey, 503-113
Ohio, 263-81
New York, 315-286
Pennsylvania, 216-167 (The American Rifleman, Sept., 1970)

LIFE, January 14, 1972, 45,000 readers responded to a poll
30% keep a gun in their home for self-defense purposes

KANSAS CITY STAR, June 4, 1972, responses sent to KMBC-TV after full page newspaper advertisement was placed on gun control issue.
9,839 ballots received.
60% (5,000) need no additional gun control laws
15% want registration of all handguns
25% want prohibition on sale of handguns and would require surrender of all handguns

DAYTON DAILY NEWS, May 25, 1972: telephone call-in yielded 117 calls.
88% oppose tougher gun laws
12% favor tougher gun laws

DETROIT FREE PRESS: 65.6% oppose more gun laws (The American Rifleman, Feb., 1972)
74.5% oppose handgun confiscation (TAR, Feb., 1972)

PHILADELPHIA INQUIRER: 83.5% oppose more gun controls (TAR, Feb., 1972)

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Editorial

Do Americans *Really* Want New Gun Laws?

For years, the campaign to clamp rigid firearms controls on the American public has been buoyed by polls indicating that much of the public wants stronger gun laws. Now there is growing reason to wonder how real this "demand" actually is.

Musing aloud on a Washington, D.C., television station, the Rev. J. Elliott Corbett, secretary of an incorporated crusade that supports the Administration-Kennedy concept of firearms restrictions, asked rather disconsolately why so few of the polled multitudes who presumably favor gun laws take the trouble to write to their Congressmen. One possible answer: People realize increasingly that passing a gun law won't do much to solve the crime problem.

As the Rev. Corbett pointed out, 73% of those questioned in the latest Gallup Poll on whether gun buyers should be required to get police permits were reported as replying "Yes." That survey was taken last Aug. 20. What went unmentioned was that it showed a distinct *decrease* in public sentiment for gun permits. The first Gallup Poll on the question, July 12, 1964, registered 78% "Yes."

Not only has support as recorded by Gallup gone down, but opposition to a gun permit system has increased from 17% to 23%. Some of the earlier "no opinion" element has formed an opinion—and they're against police permits.

While the Gallup trend seems to show clearly that more and more Americans don't care to submit their Constitutional right to possess arms to the decision of some police officer, the statistical theory that the public yearns for tough gun laws has taken an even worse beating elsewhere.

In recent months, television stations in Washington, D.C., Syracuse, N.Y., Dayton, Ohio, St. Paul, Minn., Albuquerque, N. Mex., and Memphis, Tenn., have given audiences a chance to express themselves by "hot line" telephone on how they feel on various proposals to regulate guns.

The total of persons heard from in the 6 stations' telephone polls came to well above 25,000 in 5 fairly scattered States and the District of Columbia. At least 19,000 of these opposed new gun laws. That figures out at 76% AGAINST where the Gallup Poll reported almost exactly the opposite sentiment, 73% FOR.

While the television sampling did not cover all parts of the country, it did include several large Eastern cities as well as other areas. Perhaps, also, it attracted more response from citizens who believe in the right to bear arms—but, if so, why did the rest remain silent if they really want new gun laws?

The answer may well be that routine opinion surveys sometimes fail to reflect the real public feeling. After all, several predicted Presidential victories for Alf Landon in 1936 and Thomas Dewey in 1948.

Certain polls adverse to firearms ownership, we gather, have relied on questioning fewer than 2,000 carefully selected persons in the entire nation. That's less than one in 100,000. Obviously, the sampling included few if any of the 19,000 who responded "No" to gun laws on television.

The direct conflict in findings between national surveys of "public opinion" and the spontaneous telephone responses of the TV stations is mystifying, to say the least. Perhaps some fact-finding agency ought to look into it.

Meanwhile those who trumpet about the "public demand" for severe gun controls might hit a softer note and recognize that the demand, if there is one, has decreased as fast as people realize that the harassment of law-abiding gun owners will not reduce crime.

Station	Question	Percent Opposed	Number Opposed	Date
KSTP St. Paul, Minn.	Should the government control the sale of guns?	76	6712	Sept. 14, 1967
KOB Albuquerque, N. Mex.	Should Congress pass gun registration and control laws?	77	1155	Sept. 15, 1967
WMAL Washington, D. C.	Should Congress enact a strict gun control law?	62	2655	Sept. 26, 1967
WLWD Dayton, Ohio	Do you favor gun control laws?	69	Unavailable	Oct. 19, 1967
WNYS Syracuse, N.Y.	Is there an immediate need for stricter gun control laws in New York State?	72.3	2169	Nov. 17, 1967
WMCI Memphis, Tenn.	Should Congress regulate firearms?	79	5952	Jan. 19, 1968

(Permission is granted to reprint this editorial. THE AMERICAN RIFLEMAN, *Washington, D. C., April 1968)*

Reprints of this editorial are available to NRA members at $2.50 per 100 postpaid to one address. Send check made out to NRA to Reprint, 1600 Rhode Island Ave., N.W., Washington, D. C. 20036.

For an article on "Why Anti-Gun Polls Are Open to Doubt," see pages 20-21.

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C. N. Weller
2200 South Post Oak
Suite 520
Houston, Texas 77027

July 20, 1972

National Rifle Association
1600 Rhode Island, N. W.
Washington, D. C. 20036

Gentlemen:

I have been living and working in Brazil for an American firm since moving from Houston in March, 1971. While in Brazil I was Project Manager for the installation of certain pipelines and platforms for Petrobras, The National Oil Company. Also while in Brazil, I obtained a collection of old guns, some of which I brought back to Houston during a business trip in May of this year. Mr. Don Rosenberg, Manager and Vice President of Kenlee's Guns, Inc. of South Houston, a properly licensed dealer, submitted the required information to the ATFD in order to obtain the necessary permit in accordance with the 1968 Gun Control Act. A Xerox copy of the returned permit is enclosed.

Of the ten guns involved only three were approved. The reason given by the ATFD being that the rejected pistols were surplus military weapons. Of these there is only one that, in my opinion (and friends of the Gun Collecting Fraternity), could be construed as really surplus and even at this writing, I'm still not certain it isn't a commercial model. This one has as its only identifying mark a small "B" in a circle on the left side of the receiver, which may mean that it was a 1906 Brazilian Contract Model, Cal 7.65. Not one of the other Lugars has a military serial number, if Mr. Datig's book is correct. In his book he states that all parabellums produced for the German military will have a serial No. preceeded by a letter of the alphabet. According to Mr. Datig, regardless of other markings, date over the chamber, etc., which may appear, the weapon is not a genuine military weapon without this serial numbering.

He states further that parabellums without the correct serial number but having markings related to or resembling those of the German military of World War One were made up from factory parts after the war for commercial sales, and he mentions specifically sales to Latin American countries. An obvious exception, which he specifies is the case where the military numbering

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Form 6 (Firearms) Part I (Nov. 1970) Department of the Treasury Internal Revenue Service

Application and Permit for Importation of Firearms, Ammunition and Implements of War

(Submit in triplicate)

(For use of AT&F. Please make no entries in this space) Permit Number 72 10882

Valid for six months after the date of approval (Item 15 below)

Section I—Application

1 Federal firearms license, if any (See instruction 2 on back)

License number	Class of license (Type of firearm business as specified in item 5 of the license)	Expiration date
74-2039	Dealer	4/7/73

2 Country of exportation: Brazil

3 Return approved Permit to: (enter name, address and ZIP Code if different than applicant's)

4 Applicant's name and address (including ZIP Code)

Kenlee's Inc.
706 Winkler (P.O. Box 806)
South Houston, Tex. 77587

5 Name and address of foreign seller: misc. Brazilian citizens

6 Name and address of foreign shipper: C.N. Weller, Caixa Postal 541, Aracaju Sergipe, Brasil

7 Description of: (I) firearms, (II) ammunition, and (III) implements of war (use additional sheets if necessary)

Name and address of manufacturer (a)	Type of firearm (machine gun, shotgun, rifle, revolver, pistol, etc.) (b)	Specify "new" or "used" (c)	Model (mfr's designation) (d)	Caliber gauge or size (e)	Over-all length (inches) (f)	Length of barrel (inches) (g)	Quantity each type (h)	Unit cost (i)
(I) Firearms								
1) ~~[illegible]~~	~~Pistol~~	~~used~~	~~P-08~~	~~9mm~~	~~10-5/8~~	~~6"~~	~~1~~	~~[illegible]~~
2) ~~DWM-Germany~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~7.65~~	~~9"~~	~~[illegible]~~	~~1~~	~~[illegible]~~
DWM-Germany	" #48123	"	"	"	9-1/8	"	1	20.[illegible]
3) ~~DWM-Germany~~	~~"~~	~~"~~	~~"~~	~~9mm~~	~~8-9/16~~	~~[illegible]~~	~~1~~	~~[illegible]~~
4) ~~[illegible]-Germany~~	~~"~~	~~"~~	~~"~~	~~"~~	~~8-5/8~~	~~[illegible]~~	~~1~~	~~[illegible]~~
5) ~~[illegible]~~	~~[illegible]~~	~~"~~	~~"~~	~~"~~	~~[illegible]~~	~~[illegible]~~	~~1~~	~~[illegible]~~
6) ~~[illegible]-Germany~~	~~Pistol~~	~~"~~	~~"~~	~~"~~	~~"~~	~~"~~	~~1~~	~~[illegible]~~
7) ~~[illegible]-Germany~~	~~"~~	~~"~~	~~"~~	~~"~~	~~[illegible]~~	~~[illegible]~~	~~1~~	~~[illegible]~~
Mauser-Germany	" #64042	"	M-1898	7.63	11-5/8	5 5/8	1	60.[illegible]
Mauser-Germany	" #60977	"	"	"	"	"	1	106.[illegible]
(III) Implements of war (Articles IV through XIX of U.S. Munitions List in Title 22 CFR Part 121)								

PLEASE SEE THE REVERSE FOR IMPORTATION RESTRICTION

8 Specific purpose of importation (use additional sheets if necessary): For personal collection of shipper in item #6

9 Are you registered pursuant to Section 414(b) of the Mutual Security Act of 1954? Yes ☐ No ☒

9a If "Yes," give registration number

Under penalties of perjury, I declare that I have examined this application, including the documents submitted in support of it, and, to the best of m knowledge and belief, it is true, correct, and complete.

10 Signature of applicant: Donald E. Poreny

11 Title: Vice-President

12 Date: 5-3-72

Section II

(For use of Internal Revenue Service. Please make no entries in this section)

13 The application has been examined, and the importation of the firearms, ammunition, and implements of war described herein is

☐ Approved

☒ Partially approved for the following reason—

☐ Disapproved for the following reason—

PLEASE SEE REVERSE.

14 Signature of Director, Alcohol, Tobacco and Firearms Division: Rex D. Davis, Director, Alcohol, Tobacco & Firearms Division

15 Date: JUN 7 1972

Form 6 (Firearms) Part I (11-70)

1) SER. NO. 8805
2) " 295 - POSSIBLY BRAZILIAN
3) " 6170
4) " 8633
5) " 4559
6) SER. NO. 3289
7) " 798

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Instructions

1. Applications.

Applications for permission to import firearms, ammunition, and implements of war by Federal firearms licensees must be filed on Form 6 (Firearms) Part I. (Military members of the United States Armed Forces must use Form 6 (Firearms) Part II to apply for permission to import firearms and ammunition.)

2. Preparation of Form 6 (Firearms) Part I.

(a) Before preparing Form 6 (Firearms) Part I, the applicant should be familiar with the firearms importation provisions of Parts 178, 179, and 180 of Title 26 of the Code of Federal Regulations.

(b) Item 1. Federal firearms license here means a license issued under the Gun Control Act of 1968 by the Internal Revenue Service, to permit a licensee to engage in business as a firearms or ammunition dealer, manufacturer or importer.

(c) Signatures on Form 6 (Firearms) Part I must be entered in ink. All other entries on the form must be made in ink or be typewritten.

3. Number of copies and mailing of Form 6 (Firearms) Part I.

The form must be submitted, in triplicate, to:
Director, Alcohol, Tobacco, and Firearms Division
Internal Revenue Service
Washington, D.C. 20224

4. Disposition of approved application.

An approved application will serve as a permit to import the firearms, ammunition, and implements of war described in the application within such time as is specified on the Form 6 (Firearms) Part I by the Director, Alcohol, Tobacco, and Firearms Division. The original of the approved application (permit) will be returned to the applicant, and the Director, Alcohol, Tobacco and Firearms Division, will retain two copies.

As to Items #1, 2, 4, 5, 6, 7, & 8:
THE FIREARM DELETED FROM YOUR APPLICATION IS NOT AUTHORIZED FOR IMPORTATION BECAUSE IT WAS FOUND TO BE MILITARY SURPLUS WEAPON WHICH IS SPECIFICALLY EXCLUDED FROM IMPORTATION INTO THE UNITED STATES BY SECTION 925(d)(3) OF TITLE I OF THE GUN CONTROL ACT OF 1968.

As to Mauser Models M-1898 Pistols:
NOTE: THIS PERMIT AUTHORIZES IMPORTATION OF THE MAUSER MODEL 1896 7.63mm MAUSER CALIBER SEMI-AUTOMATIC PISTOL PROVIDED IT IS NOT A SURPLUS MILITARY FIREARM. SURPLUS MILITARY FIREARMS ARE IDENTIFIED BY HAVING ANY OF THE FOLLOWING MARKINGS: (1) EITHER A GOTHIC HORIZONTAL "W" OR VERTICAL "S" WITH A CROSS SURMOUNTED BY A CROWN ON THE RIGHT SIDE OF THE CHAMBER (2) GERMAN IMPERIAL EAGLE ON REAR UNDERSIDE OF BARREL (3) LETTERS "DV" ON THE LEFT SIDE OF THE RECEIVER (4) THE "W" FOLLOWED BY AN IMPERIAL EAGLE ON RIGHT SIDE OF CHAMBER (5) THE "SA" WITHIN A SQUARE ON RIGHT SIDE OF RECEIVER (6) THE BRITISH BROAD ARROW ON EITHER RIGHT OR LEFT SIDE OF RECEIVER OR STANDING LION ON LEFT SIDE OF RECEIVER.

As to Mauser Models M-1898 Pistols:
This permit does not authorize the importation of the firearm described on the reverse if it bears a German Waffenamt military acceptance mark. This mark is a German Eagle with three line horizontal wings and numbers thereunder or with the letters "WAA" followed by any number sequence.

RECEIVED
ATFD
JUN 5 1972
IMPORT SECTION
FIREARMS & EXPLOSIVES BRANCH

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Disapproval of attached application to import firearms (Surplus Military Firearms)

Department of the Treasury
Internal Revenue Service

Alcohol, Tobacco and Firearms Division

The Secretary of the Treasury may authorize importation of a firearm or ammunition into the United States if the person importing it satisfies the Secretary that the firearm or ammunition "is generally recognized as particularly suitable for or readily adaptable to sporting purposes, *excluding surplus military firearms.*" (United States Code, Section 925(d)(3), Chapter 44, Title 18, as contained in Title I, Gun Control Act of 1968.)

A surplus military firearm is defined as one that belonged to a regular or irregular military force at any time. Alteration of the firearm does not change its status. Thus, a sporting firearm with a surplus military frame or receiver is a surplus military firearm, because a frame or receiver is classified as a firearm. (United States Code, Section 921(a), Chapter 44, Title 18.)

Unfortunately, the firearms you wish to import are surplus military firearms, and import permission cannot be granted. Any firearms of this type that may be available in the United States were imported before October 22, 1968. Since then, their importation has not been authorized.

Under these circumstances, we suggest you make provisions to return the firearms to the seller for a refund. If they have already entered the United States and the Bureau of Customs is holding them, you may arrange for their exportation under the Bureau's supervision, or for their return to the sender if they have been mailed to you. You should make your arrangements with the office of the Bureau of Customs that currently has custody of the firearms.

If you decide not to export or return the firearms, you may abandon them to the United States Government by filling out a form provided by the Bureau of Customs. Otherwise, they will be subject to seizure and forfeiture as provided by law. In either case the firearms will eventually be destroyed.

The Gun Control Act of 1968 provides no procedure for an applicant to appeal the denial of his application for a permit to import a firearm; nor does it provide for the United States Government to reimburse an applicant for any loss to him that might result from such a denial.

We regret any inconvenience caused by the denial of your application, but the law requires us to take this position.

Notice 152 (5-70)

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C. N. Weller
2200 South Post Oak, Suite 520
Houston, Texas 77027

HOUSTON, TEX.
1 PM
21 JUL
1972

National Rifle Association
1600 Rhode Island , N. W.
Washington, D. C. 20036

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Labor -

Ed Turner

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New Meany Warnings to State Labor

Washington

AFL-CIO President George Meany reportedly has ordered a half dozen or more state labor federatins to stop their campaigns to defeat President Nixon.

Sources said that in addition to announced orders to the Colorado and California state AFL-CIO groups, similar letters are going to the big labor federation's state bodies in Oklahoma, North Carolina, Minnesota, Nebraska, Iowa and Texas.

"I've been told by the area director for the Committee on Political Education that I will be ordered to rescind the 'dump Nixon' resolution adopted at our convention September 14," said President Wilbur Hobby of the North Carolina state AFL-CIO in a telephone interview.

Meany reportedly told officials of the state AFL-CIO groups that even if they haven't formally endorsed Democratic presidential nominee George McGovern, any campaign to defeat Mr. Nixon violates the AFL-CIO Executive Council's official policy of neutrality.

In California, state AFL-CIO President Jack Henning called an emergency state convention in Sacramento for October 19 to consider Meany's order to rescind its resolution against Mr. Nixon.

In the first such case, officials of the Colorado state AFL-CIO refused to rescind its outright endorsement of McGovern and won a preliminary federal court order against Meany's appointment of a trustee to take over affairs of the state organization. *Associated Press*

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Oct. 12, 1972

A Teamster's View Of McGovern Talk

By George Murphy

Nine hours before Senator George McGovern's speech last night on Vietnam, Teamsters President Frank Fitzsimmons offered this warning here about the speech:

"The whole world will be listening to the Senator's speech, and if he says anything to spook Hanoi away from the peace settlements that now seem so near, the whole world will know that the blood is on George McGovern's hands for every single day that this war needlessly continues."

At a press conference here, Fitzsimmons accused McGovern of ignoring:

"The 17 million people of South Vietnam, whom the McGovern surrender policies would abandon to a bloody, Communist takeover;

"The 50,000 brave American boys who have given their lives in this war and who deserve an honorable ending to the struggle after all of their sacrifices, and,

"The hundreds of American prisoners and missing men who are waiting in the slave camps of North Vietnam, hoping America chooses a President who has the guts to insist on iron clad guarantees for their safe return home."

But McGovern, he said "isn't giving much thought to the interest of any one of these groups."

The reason for this, Fitzsimmons said, is that McGovern is "too absorbed with his irrational hatred of President Nixon."

Fitzsimmons, whose Teamsters have endorsed Mr. Nixon, was joined at the press conference by leaders of the newly-formed Northern California Labor for Nixon Committee.

Among the unions represented were the Marine Engineers, Carpenters, Operating Engineers, Western Conference of Teamsters, Sailors Union of the Pacific, Marine Cooks and Stewards, and International Longshoreman and Warehouseman's Union.



FRANK FITZSIMMONS
He's for Nixon

Charles Black, of the Marine Engineers, who is California co-chairman of the labor group, said the individual members of the various unions support Mr. Nixon's re-election.

Fitzsimmons said unemployment was caused by McGovern and other members of the Democratic-controlled Congress — by cutting back from a wartime economy and by "giveaway welfare programs so that people who could work in the service industries won't take jobs."

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California Labor Council on Political Education

Suite 310, 995 Market Street, San Francisco 94103

CONVENTION CALL

SAN FRANCISCO, July 21, 1972

You are hereby officially advised that the California Labor Council on Political Education will meet, in pre-general election convention, pursuant to the provisions of its constitution, in the Sheraton-Palace Hotel, San Francisco, on Friday, September 8, 1972, at 10:00 a.m.

The business of this convention will be to review primary endorsements of the California Labor Council on Political Education, to issue endorsements for the election of November 7, 1972, in those instances where the position of California Labor COPE has not been recorded to date, and in those instances where candidates endorsed by California Labor COPE have failed to qualify at the primary election, and to dispose of such other relevant issues and matters of importance as the delegates may determine.

REPRESENTATION AND VOTES

To be represented at the convention, organizations must be in good standing, with per capita tax paid in full up to June 30, 1972. No organization that has not applied for affiliation prior to June 1, 1972 may be represented, except organizations chartered after that date.

All delegates must be members in good standing of the organizations issuing their credentials, and no delegate may represent more than one organization, with these exceptions:

(1) a delegate from a central labor or similar body or council or political organization in a specific area may also represent the affiliated local union of which he is a member in good standing, if he has credentials from that local.

(2) a delegate may represent up to three affiliated local unions which are affiliates of the same national or international union, and which have a combined per capita vote of not more than 1200, if the delegate is a member in good standing in at least one of these locals from which he has received credentials.

Local Unions

Representation is based on the number of members in each affiliated local union, as follows: 2 delegates for the first 500 members or less; 1 delegate for the next succeeding 250 members or major fraction thereof; 1 delegate for each succeeding 500 members or major fraction thereof. The total number of delegates from any local union may not exceed 10.

The number of members on which the representation and voting strength of each local union is based will be ascertained by dividing the total amount of per capita tax paid during the twenty-four month period, July 1, 1970 through June 30, 1972, by one hundred twenty cents.

On all questions where a roll call vote is taken, each delegate shall vote an equal percentage of the membership of the local union he or she represents, all fractional votes being eliminated.

No proxies are allowed, but one delegate, upon prior written approval of all co-delegates, may vote for the entire delegation.

(OVER)

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Central Bodies and Similar Organizations

Central labor or similar bodies or councils and political organizations in specific areas are entitled to two delegates. Each delegate is entitled to one vote, and must be a member in good standing of a local union affiliated with the California Labor COPE.

CREDENTIALS

Delegates-elect and alternates-elect will receive their credentials from the secretaries of the organizations they are to represent at the convention. Each delegate will present his or her credentials to the Committee on Credentials at the convention.

The original credential is to be given to the delegate. The list of authorized delegates shall be filled out and the original and duplicate mailed, together with the properly filled out duplicate credentials, to the Secretary-Treasurer of the California Labor Council on Political Education, Suite 310, 995 Market Street, San Francisco 94103, as soon as possible after receipt, but not later than August 25, 1972. The triplicate of the list of authorized delegates is to be retained by the local secretary.

RESOLUTIONS

Deadline for the receipt of resolutions and proposed amendments to the constitution by the Secretary-Treasurer is Friday, August 25, 1972, except for those approved by regularly constituted and affiliated statewide organizations at conventions or conferences held during the fifteen days preceding the convention, which must be received by the Secretary-Treasurer not later than 9:00 p.m. on Thursday, September 7, 1972.

Each resolution must be presented in triplicate, and bear either the signature of an executive officer or the seal of the affiliated organization introducing it.

HOUSING INFORMATION

Convention Headquarters will be at the Sheraton-Palace Hotel, at Market and New Montgomery Streets, San Francisco.

Fraternally yours,
JOHN F. HENNING, Executive Secretary-Treasurer

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NIXON PRESIDENTIAL MATERIALS PROJECT

DOCUMENT CONTROL RECORD

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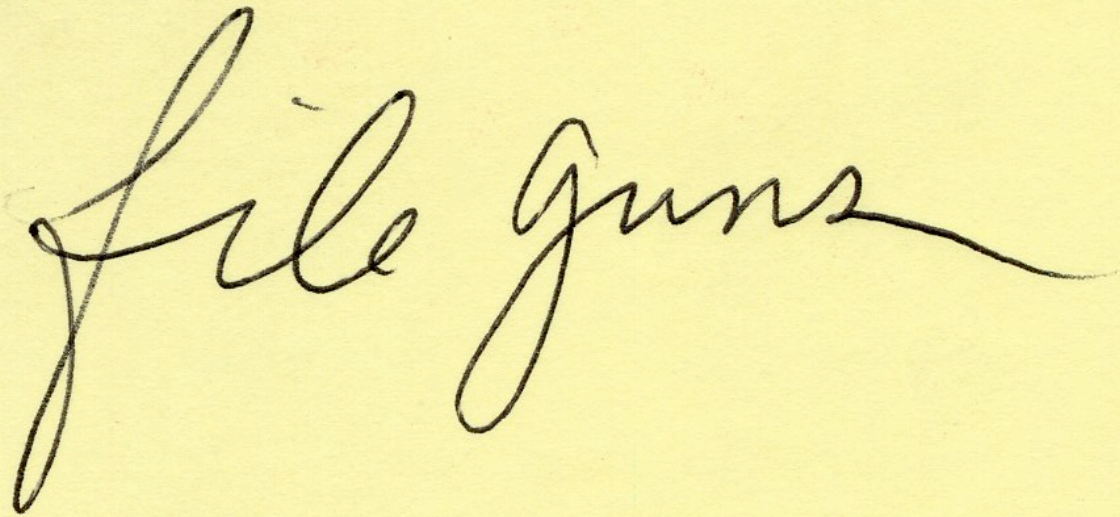

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To Mike Balzano

NIXON—THE SHOOTERS' MAN FOR '72!



BY HARLON CARTER Joe Tydings was right about one thing. Since he said it there's been a warmness in my heart for him. Something like the warmth of a burning match visible in clear and complete darkness for 12 miles. Playboy Joe, by the Grace of God and the sportsmen of Maryland, and ex-U.S. Senator, one time sarcastically said in *Playboy Magazine* that the gun owners of this country were a single issue people and as such were feared by politicians. See what I mean? Don't you just feel it? I do. He must be right. Or, we must make it so.

It's true the sportsmen of Pennsylvania did it to Senator Joe Clark. Senator Monroney of Oklahoma said they did it to him. There were a dozen others who charged the gun owner's vote did them in, and Celler, the recently defeated gun prohibitionist of New York, was not helped by his impossible gun bill. None of them, however, did the political analysis so accurately, nor so succinctly, as Playboy Joe.

Of course, it has been stupid all along, or at best a political luxury we cannot afford, that we vote for a man because he is a Democrat, a Republican or something else. Scatter-gunning our strength about the political landscape like that can lead us only to defeat at the polls where, if we were properly zeroed-in, we could have a decisive effect. That's what Joe was saying. And he's right.

As many political writers have noted in the past decade, political victories in this country tend to be won by very small margins. In 1968 President Nixon defeated Hubert Humphrey by only a half million votes—1 percent roughly. When 10 percent of the population buy hunting licenses and if—as some have reported—75 percent of our homes have at least one gun, it is utterly unthinkable that objectionable legislation could be passed except that we are a badly organized group afflicted with an uncertain hydra-headed leadership.

Inasmuch as the devotees of the shooting sports in America shall survive or else go down only—and I repeat *only*—as a result of what happens at the ballot box we must prepare ourselves for the crucial eyeball-to-eyeball confrontation the U.S. Constitution happily guarantees us.

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In this way the fine points of legislative draftsmanship, the fastidious regard we sometimes have for methods and propriety among ourselves, are all brought into a simple clear focus. Throw our enemies out; protect and defend our friends. That's what democracy is all about.

With political reality clearly in focus, the shooting sportsmen of America must rally forcefully and enthusiastically behind President Nixon in 1972. Senator Barry Goldwater of Arizona, one time the most viciously maligned figure in American history, recently said (perhaps as you or I might have said it) there were Nixon programs which he did not like, but that they must be seen in the light of the great difficulties under which the President is compelled to function.

No evaluation, no political assessment, however, has any merit in the absence of a *consideration of the alternatives.* The one alternative this time is Senator George McGovern, whom the Democrats have chosen to lead them against Nixon.

McGovern is running on a platform openly designed to eliminate a category of handguns with less than 3-inch barrels which are carried as off-duty firearms by most American policemen and possessed by Lord knows how many home-owners for their lawful safety and security.

And he is running on this platform at a time when the only bill moving to implement it is a sneaky little thing by Senator Birch Bayh of Indiana (S.2507) piously advanced as a move against crime while it plainly gives the Secretary of Treasury open-ended authority to arbitrarily issue regulations eliminating all handguns from the American scene by simply changing the criteria for their manufacture. Moreover, by a lesser-known provision the Bayh Bill requires the government to buy up all banned handguns. Who, by clever stockpiling schemes, might make millions out of this at the taxpayer's expense?

By its clearly expressed and reasonably projected prohibitions the Bayh Bill and the Democratic platform on which McGovern rides would increasingly leave the people at the mercy of marauders—the hairy and the muscular—and would further encourage crime which they are so prone to deplore and to vigorously tut-tut, but so reluctant to grip physically and do something effective about.

All the while, too, McGovern rides along with his philosophical compatriots: "We need control over sales and possession of handguns," he says, as though there is none now which regrettably they have neither the ability nor guts to enforce. McGovern also says we must ban the Saturday Night Special, but the only definitions he and his people propose relate to—or else, can be administratively extended to—ALL handguns.

The facts are that the most law-abiding sections of the country are those where gun-ownership is most; that advocacy of gun laws is a refuge for men who don't want to face up to the real issues and problems of crime in this country. They distract the attention of the people from the real issues. They divert the energies of the people from real solutions. They encourage the very sad conditions they say they deplore. And McGovern is one of them.

Bear in mind, however, these men are sinfully clever. Political clubs, calling themselves sportsman's clubs, will arise at the politically proper time working in their behalf. Find out who is behind those clubs and expose them for what they are. They will claim that they themselves are sportsmen and you might find paragraphs in the news about the guns they own—even the exact make and model—along with an occasional picture showing the candidate by a duck marsh under troubled skies, wind-blown hair, Kennedy style, maybe followed admiringly by an appealing little boy. This has been tried before but it didn't work. And, it won't work again if we shall again be wise and vigilant.

For American gun owners the man for 1972 is Richard Nixon. He has been honest with us. His Administration has not advanced any additional gun legislation; especially the kind, typical of his predecessor, which purported to do something about crime but which actually imposed requirements on you and me—law abiding citizens.

HE MAY NOT BE PERFECT, BUT WHEN YOU CONSIDER THE CHOICE HE GETS VERY CLOSE! !

We shall err if we fail to support him. He has been pretty well tangled up with the evils left him by his immediate predecessors, Democrats Johnson and Kennedy—and Chief Justice Earl Warren. Inflation. Crime. The war in Southeast Asia, which someone had already decided we didn't intend to win while the political party which started it was still in power.

However, even in the midst of these historical difficulties and distractions, things are looking up. The war which the Democrats escalated, which their political ilk convinced the people we shouldn't win, is winding down. The climb of the crime graphs is declining.

(I have wondered for a long time whether the hysteria over crime statistics might not have been produced by the television people, naively abetted by many good law enforcement people. The first, for furtherance of nefarious political schemes and the second, for more money with

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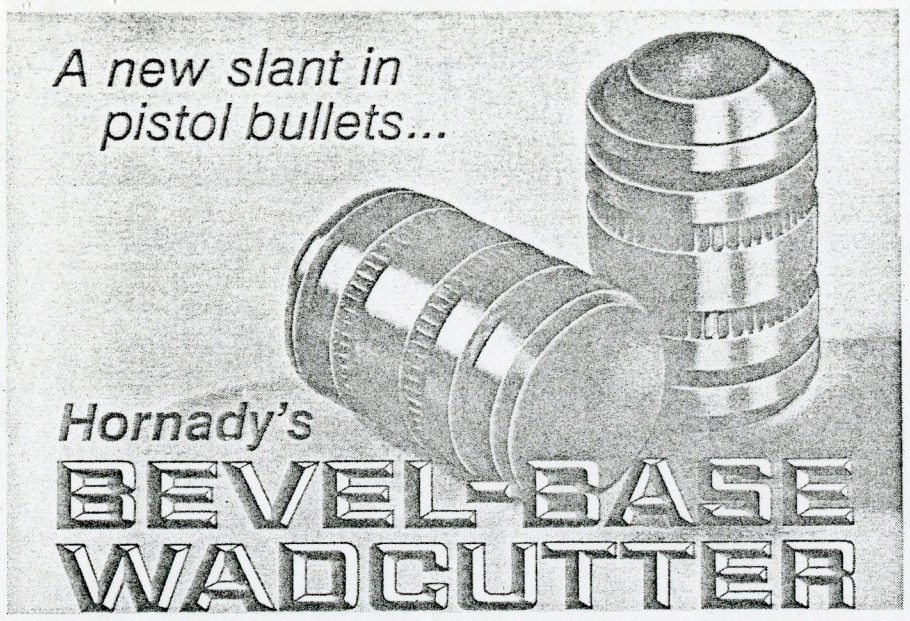

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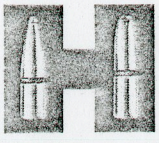

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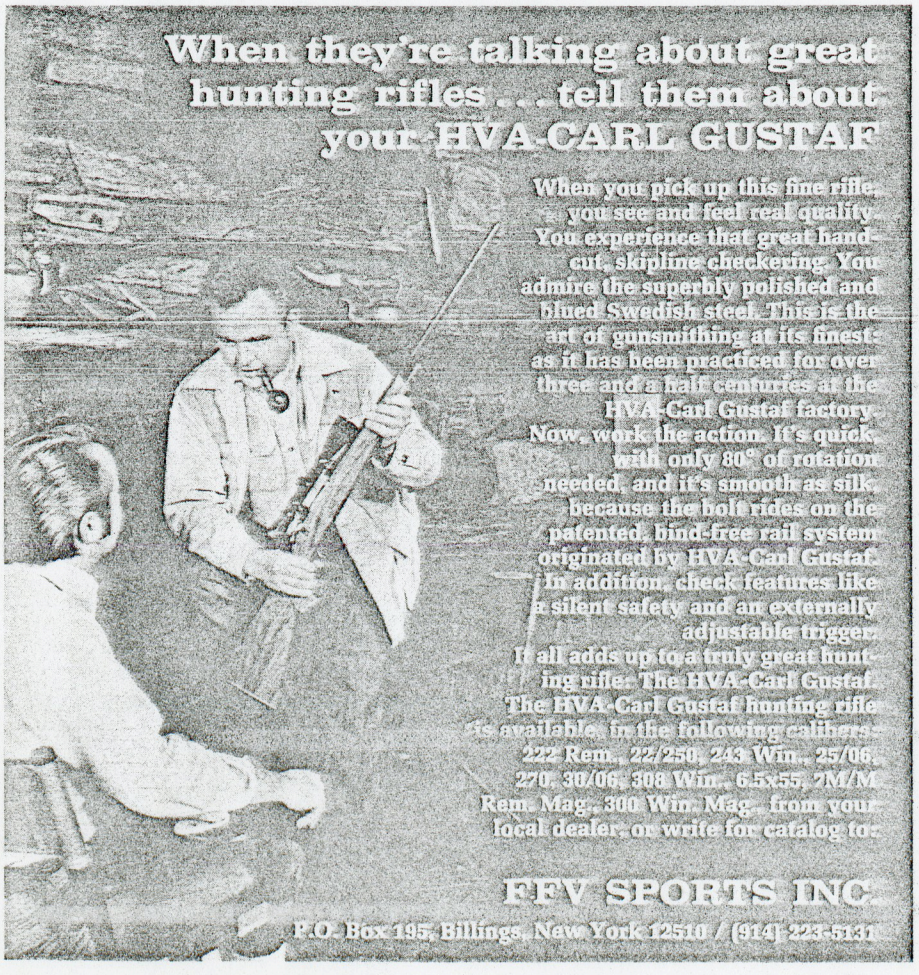

KEEP & BEAR ARMS

continued from page 41

which to equip and man the forces they actually needed all along. Like most marriages of convenience, however, this one has proved to be unhappy. The police forces of the country began to smell a rat when those who wanted gun control for everybody, so violently opposed imposition of greater penalties on criminals for committing crimes with guns. Most police bolted and returned to the barn with the rest of us upon discovering that the ultimate goals of some of these anti-gun people included confiscation of law abiding citizens' firearms—which some police could stomach, but also included disarming the police, which none of them this side of Police Commissioner Murphy of crime-ridden New York City is ready to go along with.)

I like Nixon. When a man supports the law abiding citizens' right to keep and bear arms it is likely other virtues naturally accrue to him.

Such a man is responsive to the rights—yes, even the wishes—of ordinary good people who have committed no crime and are not liable to do so.

Such a man is mindful of a cardinal concept inescapably involved in the American definition of justice—that a man is innocent of an offense until proved guilty of it in a competent court; that a gun law has no reason to exist unless a gun owner is held suspect, or even guilty, on the sole basis that he owns a gun and before he is accused or tried on any offense at all. If one believes a man innocent until an offense is proved against him, what reason supports a gun law? That men must be made safe? It was never so since before the dawn of written history. Why think so now? This question is valid and independent of another question: have not those who would transgress upon our constitutional, moral and God-given rights to protect self and family and property demonstrated they do not trust the people? More than 99 percent of us are free of the suspicion of stain of crime. Is it that they do not trust us for some other reason?

Coming Next Month:
The Unappreciated 16 Gauge

When a man believes in the right of good citizens to keep and bear arms, he believes that there exists in God and in the nature of man the right of self defense; a right which, to be more than an empty concept, inevitably implies the existence of a satisfactory means for exercising it.

Yes, indeed, such a man just may have appointed a Chief Justice of the U.S. Supreme Court who feels the same way. At least I thought it a courageous act when the Chief Justice greeted a couple of

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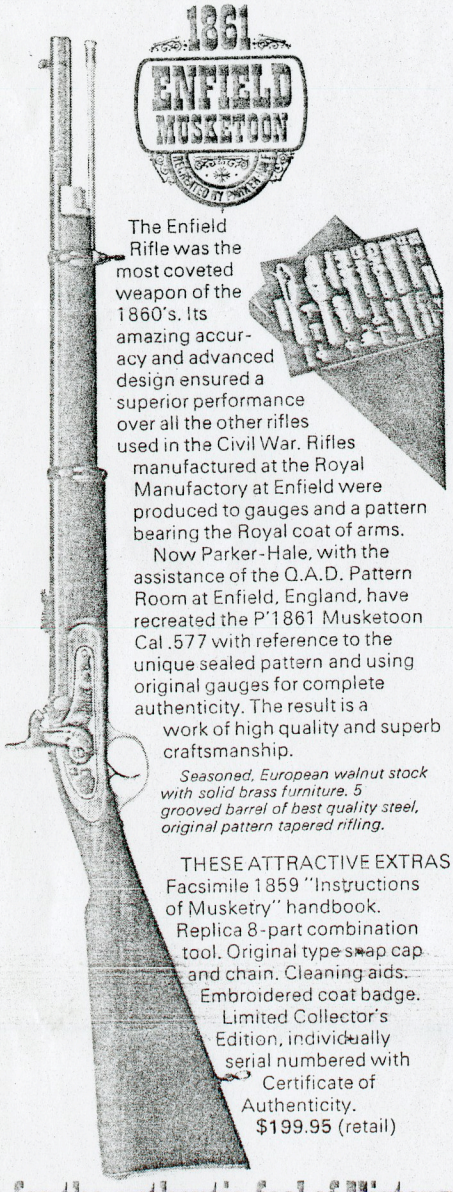
The History Makers



The Enfield Rifle was the most coveted weapon of the 1860's. Its amazing accuracy and advanced design ensured a superior performance over all the other rifles used in the Civil War. Rifles manufactured at the Royal Manufactory at Enfield were produced to gauges and a pattern bearing the Royal coat of arms.

Now Parker-Hale, with the assistance of the Q.A.D. Pattern Room at Enfield, England, have recreated the P'1861 Musketoon Cal .577 with reference to the unique sealed pattern and using original gauges for complete authenticity. The result is a work of high quality and superb craftsmanship.

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midnight callers at his door with a big six-shooter in his hand. God bless him! I thought his act courageous because if he had the gun in hand the controlled news media would attack him and if he didn't have it in hand some midnight skulker might. He is not only courageous, but he has now demonstrated he understands the language spoken by street predators and worse. As for those who criticized him, what did they want him to do? Refuse to answer the door, cowed as many are? Call the police who couldn't get there for three to five minutes after any possible action would be over? And do you call the police every time someone knocks on your door after dark? It might even be the police, dressed as hippies. That, too, has happened. Or, would they have him exposed to a band of kidnapers and assassins without clenching a fist in his own defense—as seems to have also happened too often lately?

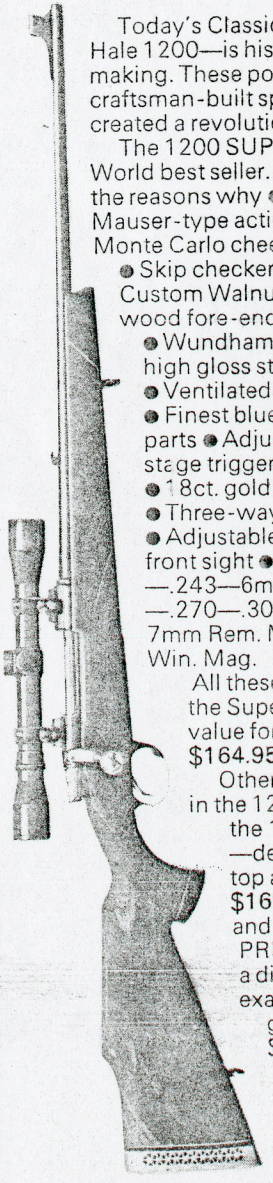
Elect McGovern President in 1972 and you can expect the likes of Abe Fortas for the next Supreme Court Justice. We almost had him once. As a matter of fact, over the long haul, President Nixon's appointees to the U.S. Supreme Court would alone justify his re-election were there any doubt of such justifications—which there isn't, because of his own sane position on gun control. America needs one more Nixon term and more of his appointees on the Supreme Court.

President Nixon made a splendid choice when he named Richard Kleindienst Attorney General, as he did when he named John Connally Secretary of the Treasury. Kleindienst is a straight-forward, no-nonsense administrator on the issue of law enforcement. That fact alone ruins him with the anti-gun fanatics. Furthermore, he is gifted with a talent rare in some places we have seen in government—he can make up his mind. And when he has done so he can state his case and back it up.

Connally, unhappily was the administrator of some bad legislation. It was a Democratic Congress and a Democratic President, however, which gave us that legislation—the Gun Control Act of 1968—and only Congress, not Nixon, can change it. Connally, when Governor of Texas in 1966, said he didn't want to be a party to giving false hope to the people that passing a gun law would solve the problem of people shooting people. Of course, the Washington Post attacked him for saying it and Herblock did a scurrilous cartoon—which was to be expected.

The difference between the presidential winner and the loser in 1972 may be less than a million votes in the whole nation. The gun owning sportsmen of America have several million votes and as an organized block can exert powerful influence. However, in the final analysis the responsibility for re-electing President Nixon falls to the individual shooter as he marks his 1972 ballot.

The History Makers



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10/4/72
Mike Balzano
F.B.I.

Pat Buchanan

October 3, 1972

Mr. Patrick J. Buchanan
Special Assistant to the President
The White House
Washington, D. C. 20500

Dear Pat:

Enclosed is a copy of the current issue of The American Rifleman.

Items which may be of possible interest to you appear on pages 12, 20 and 63.

Cordially and sincerely,

John M. Snyder
Assistant Editor
THE AMERICAN RIFLEMAN

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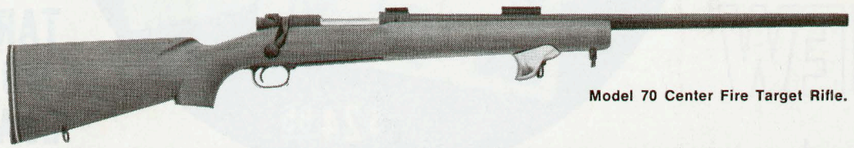
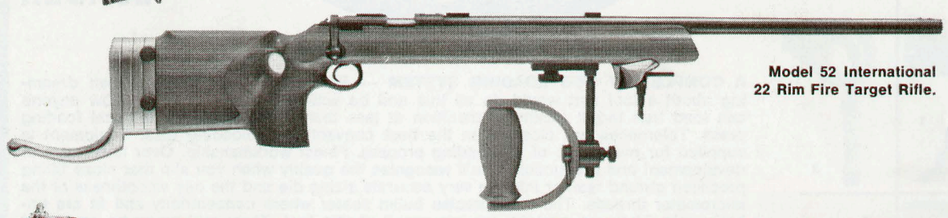
Winchester Model 52 and Model 70 Target Rifles were born and bred on the firing line of major championships like the Wimbledon Cup, or the Critchfield Trophy.

That's why the Model 70 and the Model 52 need little advertising today beyond their name alone. Each means "accuracy" in any man's language.



Model 70 Center Fire Target Rifle.



Model 52 International
22 Rim Fire Target Rifle.



Model 70 Target Rifle: With a continuing record of victories from the Palma Matches to CISM, the Model 70 is recognized as a world's standard of accuracy, performance, and dependability. Model 70. Winner of more Wimbledon Cup 1000 Yard events than all others combined.

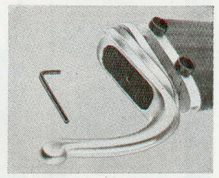
Famed Model 70 Action: Precision and long life are forged into the chrome molybdenum steel receiver, and into the chrome moly steel bolt, precisely machined for a silky smooth feel. Receiver drilled and tapped for standard sights. Non-glare finish on barrel and receiver. Action is glass bedded.



Winchester Proof Steel Barrel: Extra-heavy 26″ target barrels (24″ on International Army Match Rifle) are cold forged from select chrome molybdenum steel. Counter bore is standard. Bore lead-lapped by hand. Model 70 Target and Ultra Target Rifles in 308 Winchester, 30-06 Springfield. International Army Match Rifle in 308 Winchester (7.62 NATO).

Made in U.S.A.

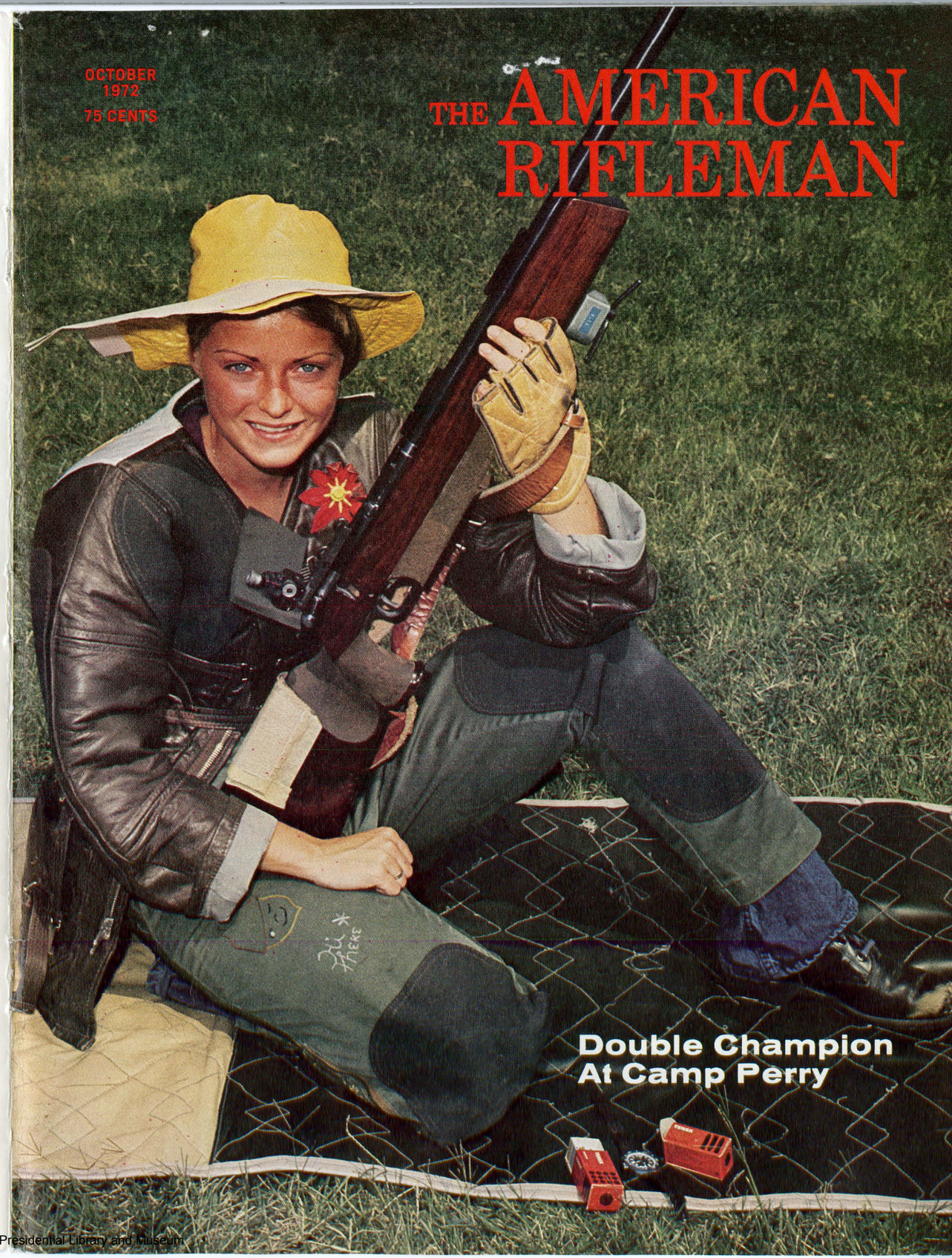
Model 52 Target Rifles: The Model 52D and Model 52 International are designed and manufactured for ultimate accuracy. Barrelled actions available for either model too, with options of Standard, Kenyon, or I.S.U. triggers on International.



Fully-adjustable butt plate and fore-end assembly: The Model 52 International is totally a target shooting machine, with international-style laminated walnut stock, adjustable palm rest assembly, aluminum fore-end assembly, and fully adjustable butt plate.

Precision-rifled, lead-lapped barrels: 28″ Winchester Proof Steel barrels on both the Model 52D and Model 52 International are cold forged from chrome molybdenum steel, then lead-lapped by hand. Model 52 receivers are made from chrome molybdenum steel, too, for years of accurate, reliable performance. WINCHESTER. 275 Winchester Avenue, New Haven, Connecticut 06504.

1972 winchester the way you want it



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One of a continuing series. **Remington Reports**

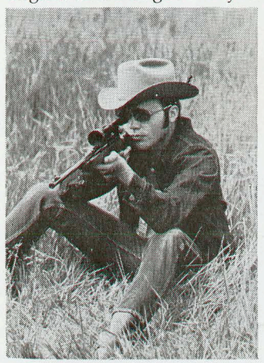
How to take the luck out of long shots.

Here's how some smart hunters prepare to make the long shots in open or mountainous country. And why they make them with our Model 700 Bolt Action Rifle.

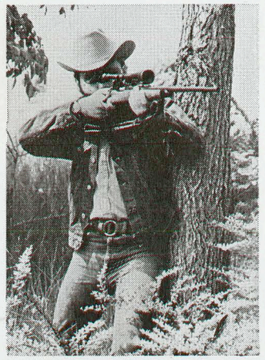
One of the great hunting challenges is to bag a trophy buck, ram, goat or pronghorn in country that requires long-range shooting. It takes practice, plenty of practice, and Remington's experienced designer-hunters suggest that you start by picking one cartridge and sticking with it so you can really learn how it performs. Then start by shooting from a rest at a 100-yard target until you become proficient. Practice other ranges, too, to help yourself learn to judge distances.

Graduate from a rest to hunter's shooting positions as soon as you can. Practice the sitting position, which is the steadiest and best to use wherever possible (see Photo A), and the offhand or standing position, which is the most difficult, but often your only choice in the field (see Photo B).

If you have the facilities, try shooting at a target that's shaped like a deer from different distances—and different angles. Another good way to practice is to have a friend roll



A. Sitting Position. Note how the hunter's elbows and legs provide a solid support.

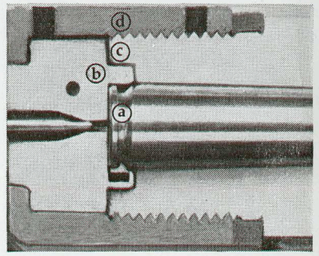


B. Standing Position. Bracing yourself against something helps steady your rifle.

targets down a hill for you to shoot at. (Always be sure of your background.) Empty oil drums or discarded tires with a piece of cardboard in their centers, for example, make excellent "action" targets. They not only keep changing distance, but also simulate the bounding path of running game.

Judging distance is only part of the challenge. You also have to allow for the effect of the wind, if any, on your bullet. Out in the field, the most practical way to estimate distance and windage is to touch off a shot and look for the dust to see where it strikes. That should tell you what you have to know to aim properly. But, if the game is 300 yards away or more, the true sportsman thinks twice before he shoots.

Practice with the rifle you'll hunt with. Remington's experts suggest our Model 700 as a wise choice for long-range work. It has enormous capabilities because of the way it's designed and built. For example, it has one of the strongest center fire bolt actions ever made (see Photo C). Each bolt is individually hand-fitted to each rifle and has the serial number of the rifle on it. And before each rifle is shipped, it's proof-tested, then checked for accuracy and functioning. If a Model 700 doesn't measure up, it doesn't leave the factory.



C. Cutaway view of the Model 700 Bolt Action. The cartridge head (a) is completely surrounded by three rings of solid steel—the bolt head (b), the barrel (c), and the receiver (d). Note that there are no extractor cutaways to weaken this critical area.

The 700 is so accurate, its design was used as the basis of our 40XB Bench Rest competition model. And as for versatility, the 700 BDL comes in 17 calibers for every kind of hunting, from varmints to elephants. So you should have no trouble picking a caliber that suits your needs.

You might have trouble choosing between the Model 700 BDL "Custom Deluxe" and the 700 ADL "Deluxe". The BDL, with its handsome Monte Carlo stock protected by Du Pont's tough RK-W finish, black fore-end tip and white line spacers, hinged floor plate, "jeweled" bolt and sling strap with quick-release swivels is a tempting buy, with prices starting at $174.95*. The ADL has, among other features, a Monte Carlo stock, skip-line checkering, and Du Pont RK-W wood finish, and it's priced from $154.95*. You should have no trouble choosing ammo to feed the model you select—Remington or Peters cartridges—the ones we use to test it with.

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OFFICIAL JOURNAL OF THE NATIONAL RIFLE ASSOCIATION OF AMERICA

OCTOBER 1972
This Issue—1,041,000
88th Year of Publication

THE COVER

Mary Keys of Springfield, Va., was one of the star smallbore performers at the National Championships, winning both Woman and Junior Position Championships with a score of 3615-178X. An All-American in her second year at East Tennessee State University, Mary fired Eley Tenex cartridges in an Anschutz 1408 standard rifle with Anschutz metallic sights and Redfield 3200 scope. She wore 10X shooting jackets, pants, and glove. Photograph by American Rifleman Assistant Editor Rolfe M. Baggett, using a Rolleiflex and exposing High Speed Ektachrome 1/125 second at f/16 with fill-in electronic flash.

VOL. 120, No. 10

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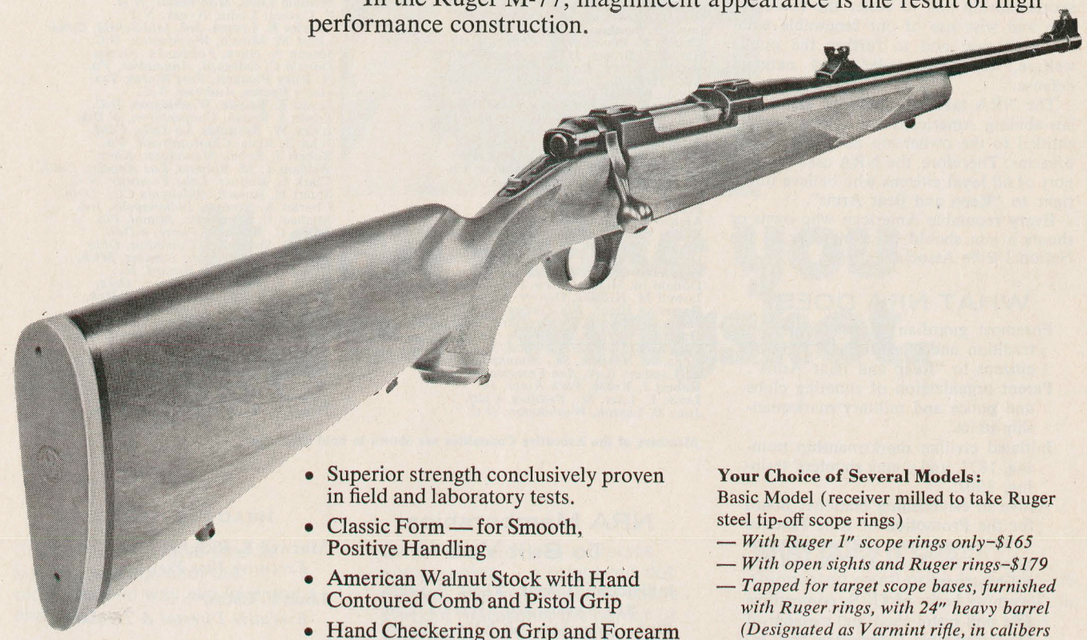

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Basic Model (receiver milled to take Ruger steel tip-off scope rings)
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— With open sights and Ruger rings–$179
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Round top Model (receiver shaped and tapped to accommodate commercially available bases)
— With open sights only–$165

Calibers: Short Action — .22-250; 6mm Rem.; .243; .308; 6.5mm Mag.; .284 and .350 Rem. Mag; **Magnum Action** — .25-06; .270; .30-06 and 7mm Rem. Mag.

**Not on the M-77 Round top. The Round top model (Magnum Action only) takes a variety of popular mount bases.*

For complete facts and comprehensive description on all Ruger firearms please send a post card to Department AR

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

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NRA INFORMATION PAGE

WHAT NRA IS

The National Rifle Association of America, founded in 1871, is an independent non-profit organization supported by membership fees. Its purposes are to educate public-spirited citizens in the safe and efficient use of small arms for pleasure and protection; to foster firearms accuracy and safety in law-enforcement agencies, in the Armed Services, and among citizens subject to military duty; to promote good sportsmanship and to foster the conservation and wise use of our renewable wildlife resources; and to further the public welfare, law and order, and national defense.

The NRA takes the bedrock stand that law-abiding Americans are constitutionally entitled to the ownership and legal use of firearms. Therefore, the NRA asks the support of all loyal citizens who believe in the right to "Keep and Bear Arms".

Every reputable American who owns or shoots a gun should be a member of the National Rifle Association.

WHAT NRA DOES

Foremost guardian of the American tradition and constitutional right of citizens to "Keep and Bear Arms".

Parent organization of shooting clubs and police and military marksmanship units.

Initiated civilian marksmanship training, 1871, and young shooters' training, 1907.

Active in establishing National Board for the Promotion of Rifle Practice (1903), and since 1903 in the operation of the National Rifle and Pistol Matches.

Governing body of U. S. competitive rifle and pistol shooting, member of U. S. Olympic Committee and International Shooting Union.

Certifying agency for instructors in marksmanship and firearms safety, training counselors, and tournament referees.

Originator of nationwide Hunter Safety Training and Home Firearms Safety Courses.

Creator of: Hunter's Code of Ethics; Arms collectors' Uniform Bill of Sale; nationwide Sighting-In Day.

Donor of hunters' trophy awards and sponsor of awards for proficiency with rifle, shotgun and pistol.

Publisher of *The American Rifleman* (NRA's Official Journal); Tournament News (The Competitive Shooters' Paper); *The American Rifleman* Newsletter (News for the press); range plans and instructions; motion pictures, slides, film strips, handbooks, manuals, and pamphlets on safety, arms, ammunition, hunting, shooting, firearms collecting, and firearms legislation.

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Individual: 1 year, $7.50; 2 years, $14; 3 years, $20; 5 years, $32.50.

Club: (Members of NRA-affiliated clubs) $6.50 annually.

Outside U. S.: Citizens of other nations, same as individual, plus $1 a year postage.

Associate: (Dependent of any member) $3.75 a year, without *The American Rifleman.*

Junior: (Under 18 years of age) $1 a year; $4.75 with *The American Rifleman.*

Life: $150 ($100 if under 18 years of age or over 65).

Conditional Life: $24 down, plus 7 quarterly payments of $18 each for Life Membership.

Endowment: $300 or more.

Patron: $500 or more.

Benefactor: $1,000 or more.

Benefactor, Patron and **Endowment** dues may be sent in one payment or under any dues schedule convenient to the individual

Write to
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1600 Rhode Island Ave., N.W.
Washington, D. C. 20036

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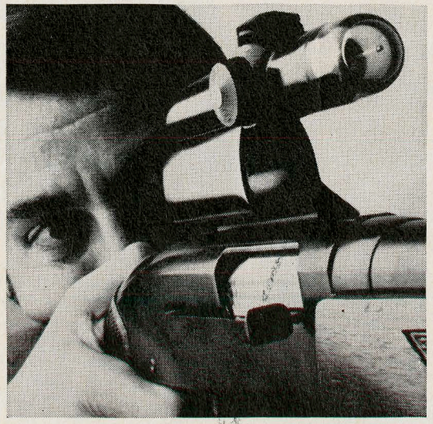
The Qwik-Point shotgun sight.



It can make you a great wingshot.

Since you don't have time to become a crack shot the old-fashioned way, we invented a short-cut.

WHAT IS IT?

Qwik-Point is a remarkable new shotgun sight designed to cut the countless shells and hours of practice it takes to become an accomplished wingshot.



What you see when you look through Qwik-Point.

Qwik-Point provides a precise aiming point . . . a bright red dot that you see suspended in space. The dot represents the center of your pattern. You see it and the target simultaneously in clear, sharp focus. Unlike a scope, there's no magnification. No field of view. No sensation of looking through a tube.

HOW DOES IT WORK?

Imagine you're in the field. Suddenly, a pheasant flushes from the high grass. As you bring your gun up to your shoulder, you see a bright red dot and the target. You swing the dot across the bird. Hold the proper lead. Pull the trigger. You've bagged yourself a nice ring-neck. It's that easy. Just put the big red dot on the target and fire.

HOW IS IT INSTALLED?

Qwik-Point Model S-1 is furnished complete with mount that fits most pump and automatic shotguns. Any good gunsmith can handle the installation.

WHAT DOES IT COST?

Suggested retail price is just $39.95, complete with mount. Also available in Model R-1 for center-fire rifles (bases extra), and Model R-22 for 22 rifles.



Qwik-Point installed on a shotgun.

Look for Qwik-Point at your local gun dealer or sporting goods store. Or, write for our free catalog: W. R. Weaver Company, Dept. 1, El Paso, Texas 79915.

QWIK-POINT
BY WEAVER

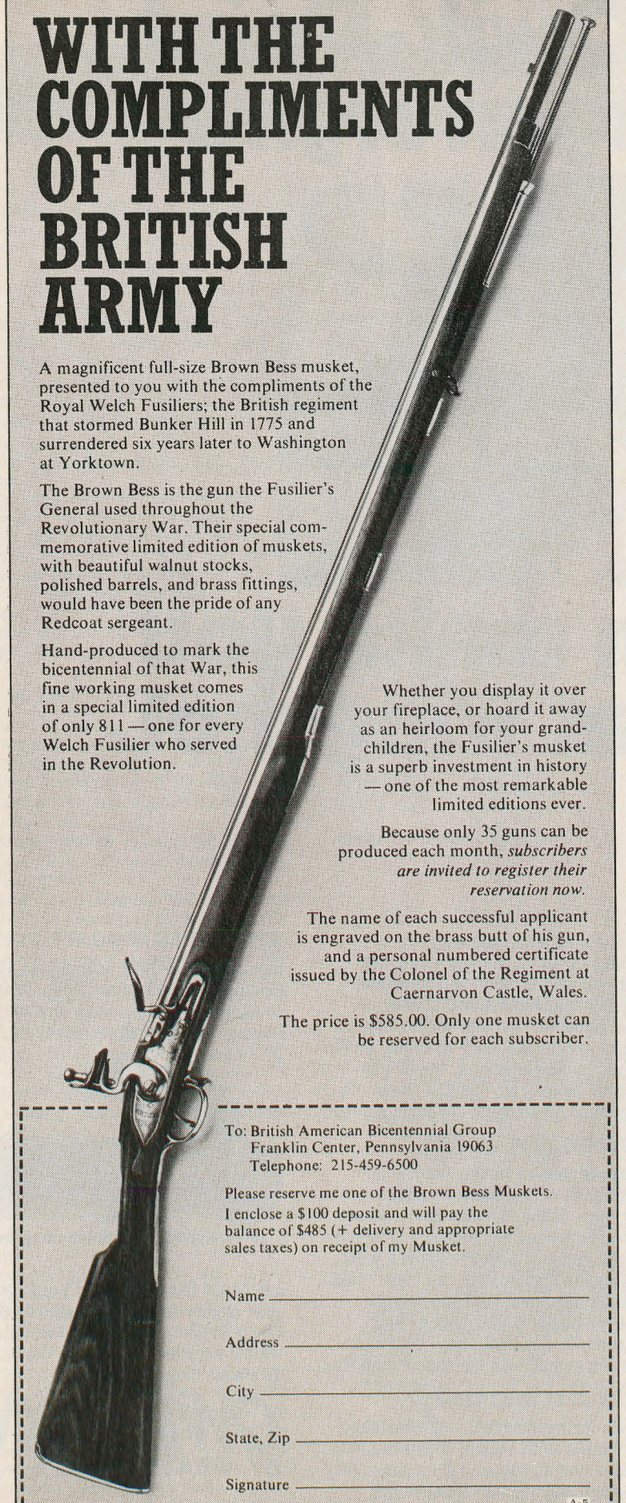
Reproduced at the Richard Nixon Presidential Library and Museum

WITH THE COMPLIMENTS OF THE BRITISH ARMY

A magnificent full-size Brown Bess musket, presented to you with the compliments of the Royal Welch Fusiliers; the British regiment that stormed Bunker Hill in 1775 and surrendered six years later to Washington at Yorktown.

The Brown Bess is the gun the Fusilier's General used throughout the Revolutionary War. Their special commemorative limited edition of muskets, with beautiful walnut stocks, polished barrels, and brass fittings, would have been the pride of any Redcoat sergeant.

Hand-produced to mark the bicentennial of that War, this fine working musket comes in a special limited edition of only 811 — one for every Welch Fusilier who served in the Revolution.



Whether you display it over your fireplace, or hoard it away as an heirloom for your grandchildren, the Fusilier's musket is a superb investment in history — one of the most remarkable limited editions ever.

Because only 35 guns can be produced each month, *subscribers are invited to register their reservation now.*

The name of each successful applicant is engraved on the brass butt of his gun, and a personal numbered certificate issued by the Colonel of the Regiment at Caernarvon Castle, Wales.

The price is $585.00. Only one musket can be reserved for each subscriber.

To: British American Bicentennial Group
Franklin Center, Pennsylvania 19063
Telephone: 215-459-6500

Please reserve me one of the Brown Bess Muskets.
I enclose a $100 deposit and will pay the balance of $485 (+ delivery and appropriate sales taxes) on receipt of my Musket.

Name _____

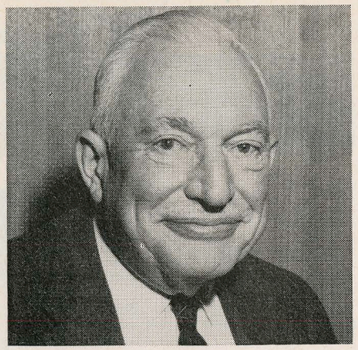
Address _____

City _____

State, Zip _____

Signature _____

A-5



Richard Cross, NRA Leader, Dies

RICHARD S. Cross, an NRA Executive Committeeman for five years and a Director for 15, died suddenly Aug. 15 at his suburban Philadelphia home in Lafayette Hill, Pa. He was 72.

Mr. Cross, a native of Washington, D.C., and graduate of the University of Virginia, on whose board he later served, was active in smallbore and pistol competitions for many years. He was chairman of the NRA protest committee and a member of the finance committee at the time of his death.

He served as president of the Delaware Valley Pistol League, consisting then of 12 clubs, and as president of the Whitemarsh Township Police Pistol Club. He worked to develop a number of ranges and also spoke in behalf of gun ownership on legislative issues.

Mr. Cross was at various times a broker, purchasing agent and investment counsellor prior to his retirement in 1955.

He leaves his wife, Mary, and two children, Whitman and Helen, and a wide circle of friends throughout the NRA and firearms fraternity.

NOTICE

The Louisiana physician who spoke out against gun controls at the American Medical Association convention in San Francisco was not Dr. P. H. Jones of New Orleans, as reported (TAR, Aug., 1972, p. 51) but Dr. Frank J. Jones of Baton Rouge, NRA Life Member R. S. Trigg of Baton Rouge states. The confusion originated in news reports.

The two heavily armed horsemen in the woodcut illustrating "Getting The Best Outfit" (Sept., 1972, p. 39) were not hunters but 16th-century German heavy cavalry or dragoons armed with muskets, pistols and swords. The illustration was published for the pleasure of readers having a sense of humor. Body armor of the nature shown is not considered essential for hunting.

PICTURE CREDITS: 44, 45—Allan B. Schwartz; 70, 71—Jerome Gosseck; 104—Remington Arms Co., Inc.

For big game...the name of the game is Weatherby.

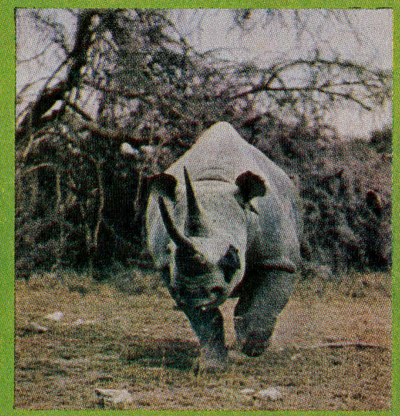
This is the magnum that changed the shooting habits of the world.

The first sporting big game rifle embodying the concept of the superior killing power of lightweight bullets traveling at ultra-high speeds. Accurate shooting of game at extremely long ranges.

Performance and outstanding design make the Weatherby the most copied rifle in the world.

It's nice to be first. But it's more important to be best. The best is still Weatherby. With a nine-lugged super strength bolt. With hammer-forged, hand-bedded barrels for greater accuracy. With hand-checkered American walnut. Lifetime things.

Weatherby MARK V



Lesser magnums cost less. They should. But with big game hunters who know magnums... the name is still Weatherby. See why at your Weatherby dealer.

Calibers: .224 and .22/250 Varmintmaster, .240, .257, .270, 7mm, .30-06, .300, .340, .378, and .460. Priced from $309.50.

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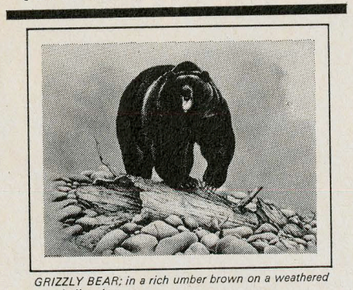
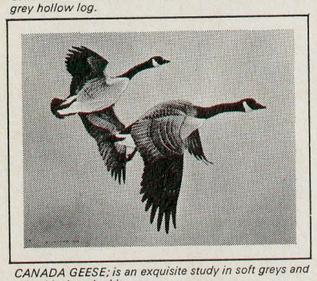
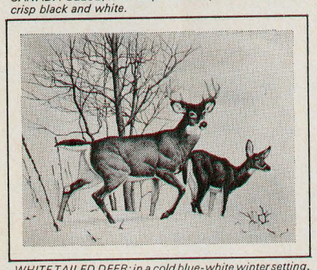


GRIZZLY BEAR; in a rich umber brown on a weathered grey hollow log.



CANADA GEESE; is an exquisite study in soft greys and crisp black and white.



WHITE TAILED DEER; in a cold blue-white winter setting. Subtle pepper tan with black tips and white undersides.

Famous Canadian wildlife artist **Martin Glen Loates,** presents ten of his finest paintings. Now available in print form, each 18 x 23 inch (including a 2 inch border) full color lithograph has been prepared with painstaking care. Each reproduction faithfully captures the fine detail and authentic color of **Loates'** subtle tempra, ink and watercolor technique.

This limited offer of $6.00 for each print includes all postage, handling charges, plus a full money back guarantee.

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A Court Case
OF CONSEQUENCE

By JUDGE BARTLETT RUMMEL

Based upon a 1971 decision of the Maryland Court of Special Appeals.

At issue in this case was a novel defense by two men involved in a shoot-out with police.

The proprietor of a Baltimore cocktail lounge, after discovering that the lock had been broken on a large storage trailer behind the lounge, watched through a peephole and saw three men taking beer from the trailer. He yelled at them, heard a shot, and fired twice through the peephole.

The men fled in a red pickup truck. A police officer in the area saw the truck speed away and gave chase. Although never closer than 700 ft., he knew that someone in the truck was shooting because he saw a gun and a flash of gunfire.

Two other officers in a police car attempted to cut in front of the speeding truck. Shots were exchanged at close range. One shattered a car window next to an officer. One officer fired two shots into the truck cab as the vehicle sideswiped the police car and continued on. Amid more shooting, the truck managed to get past a police roadblock. But a third police car joined the chase and rammed the truck.

As the truck stopped, two men in it apparently dropped handguns. The police found on the truck floor a .38 Special which fitted a holster worn by the driver of the truck, and removed four .38 Special cartridges from his pocket. A third man lay dead on the floor of the truck, presumably from police bullets.

ABOUT THE AUTHOR

Judge Bartlett Rummel, a native of Tacoma, brings long experience at bench and bar, plus an intimate knowledge of firearms, to his authorship of "A Court Case of Consequence." He became an attorney in 1924 and a Superior Court Judge in the State of Washington in 1949. He has been a leader in education, conservation, competitive shooting and Boy Scout programs; was qualified as Master in high power and as Expert in smallbore and pistol, and hunts regularly. He has been president of a smallbore league, a pistol league, a State association and of the NRA.

At the trial of the two survivors, officers from all three police cars testified as to the shooting. The officer in the second car said he saw two men in the truck shooting at him. The officer in the third car identified both of the accused and declared that shots were fired at him from both the middle of the cab and the driver's side.

The two defendants were convicted on various counts of assault with intent to murder and storehouse breaking, and sentenced to prison. They appealed to the Court of Special Appeals of Maryland. There they contended that there was no evidence before the trial judge to prove that they intended to commit grievous bodily injury upon the police officers. The evidence failed to show, they said, that they aimed at a *vital part of the officers' bodies.*

In answer to the arguments of the appellants the court said, "The uncontradicted testimony of the police officers was that they were being shot at by persons in the pickup truck. The use of a deadly weapon infers malice. Likewise, the shooting at a vital part of the body infers intent to murder."

The court cited the following from another case: "Evidence showing that a deadly weapon such as a gun was pointed toward a human being and discharged in the general direction of that human being in a random fashion is sufficient to support inferences of both malice and intent to do grievous bodily harm."

The court concluded:

"The evidence permitted an inference by the trial judge that the appellants were shooting at the police officers with intent to murder or wound them. Certainly, the police were under that impression. Judge Grady could justifiably conclude that only the poor marksmanship of the appellants prevented the more serious charge of murder. We do not think it was a 'physical impossibility,' as appellants argue, for them to have 'pointed a weapon at any of the vital parts of the bodies of these officers in view of the . . . high speed.' It is apparent from the record that the appellants were shooting at the police in a helter-skelter fashion and that the gunfire was being returned. They were engaged in a running gun battle, in which one of their number was slain."

The convictions were upheld.

Woodard v. *State (Md. Oct. 1971) 282 A.2d 9.*

A gun your grandson will be proud to inherit.



Some few things are passed on from father to son to grandson. Such as a gun. So personal that it carries with it the dreams of a past youth. Of a hunt once long remembered.

For generations, these guns have been known as doubles—the ultimate field guns that are so superb in their craftsmanship that they become part of a family heritage. We call ours the Ithaca-SKB. Classic over-and-unders made for generations to come—but priced for the hunt of tomorrow.

But don't let their reasonable price mislead you. Each includes features that will be long unmatched: Roto-forged®, chrome-lined barrels; new deep-luster black-chrome finish; exclusive Raybar® front sight; a precision ventilated rib; automatic selective ejectors; tasteful engraving; and hand-checkered walnut stocks. Even gold-plated triggers.

The 500 Grade has a scroll-etched black-chrome receiver. The 12-gauge has 2¾" chambers with either 28" or 30" barrels choked full and modified, or 26" barrels choked modified and improved cylinder. The 20-gauge has 3" chambers with 28" barrels choked full and modified; or 26" barrels with modified and improved cylinder chokes. For under $300.

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Model 500

Model 600 Magnum

Model 600

Ithaca Gun Company, Inc.,
Ithaca, New York 14850.

ithacagun

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NO JOKE:

The trouble with shooting

BENJAMIN'S

New Super Single Shot

AIR RIFLE

is that owners could talk a donkey's hind leg off in telling about its power and accuracy—far and away the most potent in its class—and how it gives them the upper hand on target and small game hunting trips, time and again!

In case you're wondering where Benjamin gets its extraordinary two-fisted punch, credit the improvements we made in design, our insistent use of quality materials, including a walnut Monte Carlo stock, and retention of features that endeared its tried-and-true predecessor to countless thousands. Like the adjustable firing force. And dependable, time-tested action.

Despite our new pump-up's reputation, would you believe some folks are under the impression that it can't be all that powerful? So to set things straight, once and for all, we present the impartial views of those that saw it from the business end:

First, Paper Target: "Benjamin helps you improve aim at home in off-season."

Next, Soupy Can: "Ventilating tin cans is duck soup for Benjamin."

Jack Rabbit: "Thanks to Benjamin. I'm in it up to my ears."

MODEL 340 BB. MODEL 342 CAL. 22 PELLET. MODEL 347 CAL. 177 PELLET. WALNUT MONTE CARLO STOCK. PUSH-PULL SAFETY BEHIND BREECH.

What more can we add other than to tell you the New Benjamin is safe, quiet, lightweight, odorless. An expertly crafted all-around rifle for the hunter or plinker, and indoor family shooting fun. 3 calibers. Reasonably priced.



Benjamin H-C Pellets ***"Sized and Lubricated"*** for greater accuracy, tight groups. Zip thru the barrel like greased lightning. 177 or 22. 250 or 500 per can.

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807 Marion St., St. Louis, Mo. 63104
You Can DEPEND on BENJAMIN

FREE Catalog

SPOTLIGHT ON TRUTH

An American Rifleman feature setting straight misstatements about firearms in order to curb abuse of the First Amendment.

ASSERTION: "A strange and peculiarly American plague has long swept our land—a plague of guns," anti-gun propagandist and writer Carl Bakal states in the Memphis *Commercial Appeal* (July 6, 1972, Sec. 6) and in other newspapers using a Bakal article circulated by United Feature Syndicate.

THE FACTS: Gun ownership is neither "peculiarly American" nor a plague. Guns are widely owned and used throughout the world for target shooting, hunting and self-protection. Any concept that gun ownership is strange and peculiar reflects alien thinking. Certainly it is not a traditional American viewpoint. True, England and Japan have far fewer guns per capita than the U.S. and have less crime. Switzerland, on the other hand, requires all able men to own guns and also has far less crime—because laws there are enforced by the courts.

(Special note: The *Commercial Appeal* illustrated the Bakal article with a chopped-up United States flag, a desecration in the opinion of many NRA Members.)

ASSERTION: The "harvest of death" from firearms in America is due to "the uncontrolled possession of guns in the hands of millions of Americans," *The Los Angeles Times* claimed (Aug. 10, 1972) with a blare of oldstyle Hollywood melodrama in its editorial voice.

THE FACTS: First, firearms in the United States are far more controlled than news media, which can sometimes be dangerous in their own way. There are over 20,000 laws affecting gun ownership, some of them drastic. How many laws regulate, say, metropolitan newspapers? Second, "millions of Americans" own guns without causing crime—in fact, the presence of their guns often helps to curb crime.

ASSERTION: The National Rifle Association "should join the corrective efforts rather than opposing all gun control legislation that comes along, as charged recently by *The Wall Street Journal,"* the magazine *Action,* publication of the U.S. Junior Chamber of Commerce, charged (Aug. 1972, p. 30) in a personal-opinion editorial "Gun Control Now!" by Managing Editor John Hartman.

THE FACTS: Far from opposing all gun controls, the NRA has supported many bills to check the *misuse* of firearms, especially when mandatory penalty and similar measures are included. Managing Editor Hartman could have learned as much if he had relied on sources other than the badly-biased *Wall Street Journal* (See *American Rifleman* editorial, Aug., 1972, p. 20) and Roosevelt Grier, the former pro football lineman who reportedly was bodyguarding Robert Kennedy when he was shot.

ASSERTION: The White House "urged the House of Representatives to act this year on Senate-passed legislation" on handguns, United Press International erroneously stated in the lead of a news dispatch Aug. 10 on the Bayh Bill, S. 2507.

THE FACTS: The White House did nothing of the kind, as statements farther down in the UPI dispatch themselves revealed. Actually, the Nixon Administration gave no support to the Bayh Bill or to any form of sweeping gun controls.

ASSERTION: The anti-gun magazine *New Yorker* added to its reputation for gross inaccuracy on the gun control issue when it said (Aug. 5, 1972, p. 19) that the millions of handguns now in private hands "will not be affected at all" by the Bayh Bill, S.2507.

THE FACTS: While the Bayh Bill does not provide for confiscation of handguns, something which the U.S. Senate voted down emphatically, it would make it impossible for owners of many millions of legal handguns now in existence to sell them outside of their own States or through any Federally licensed firearms dealer. In short, it seriously restricts the right of law-abiding citizens to dispose of their legitimate property.

ASSERTION: Repeating an error made in its anti-gun blast of Oct., 1970, *American Heritage* took occasion this August (p. 111) to republish the misleading claim that the 1968 Federal Gun Control Act was nothing more than "a feeble measure restricting mail order sales."

THE FACTS: The 1968 act prohibited individual firearms owners from making *any* interstate transactions to dispose of their guns, by mail or any other means, except through Federally licensed dealers. It is vastly more restrictive than *American Heritage* said in August under its title, "Repeating History," which should have read "Repeating a Mistake."

NOTE: Anyone is free to quote this feature at any time provided its meaning is not changed.

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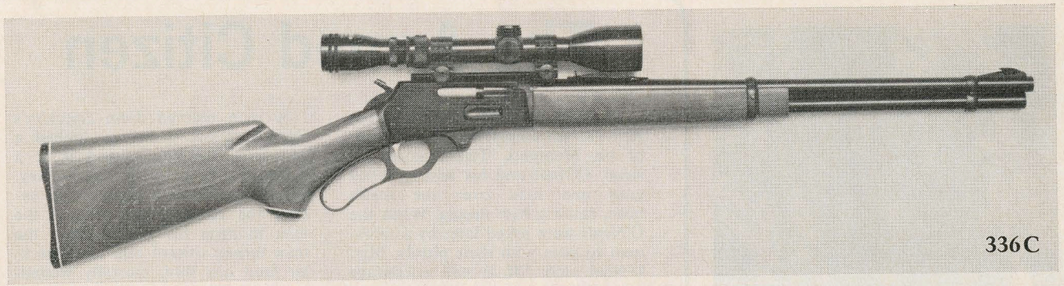

336C

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The Marlin 336C. America's finest deer rifle has been in continuous production for nearly 80 years. It features a 6-shot tubular magazine, 20" Micro-Groove® barrel, solid top receiver and genuine American walnut stock. Caliber: .30/30 Win. or .35 Rem; Weight: about 7 lbs. (also available in 336T straight grip Western carbine, .30/30 only). Suggested retail price $115.*, not including scope.

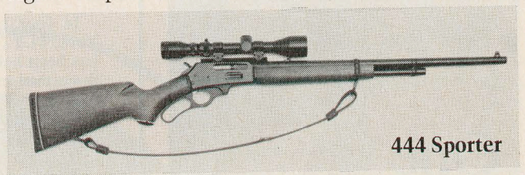
The Marlin 1895. A true Western classic, the 1895 marks the return of the .45/70 repeating rifle—the only .45/70 repeater available. Complete with 4-shot tubular magazine, solid top receiver and American



1895

walnut stock, the 1895 will accept all handloads generally recommended for the Winchester Model 1886. Caliber: .45/70 Government; Weight: about 7 lbs. Suggested retail price $185.*

The Marlin 444 Sporter. The perfect combination of big-bore, knock-down power and fast, repeating action—together in one gun, the Marlin 444. Its solid top receiver is tapped for scope mount or receiver sights. It sports a fast-handling 22" Micro-Groove®



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barrel, 4-shot tubular magazine and genuine American walnut stock. Caliber: .444 Marlin; Weight: about 7½ lbs. Suggested retail price $145.*, not including scope.

The Marlin 1894. Chambered for the potent .44 Magnum, the straight-grip 1894 is the shortest and lightest lever action center fire available. Its 10-shot tubular magazine, 20" Micro-Groove® barrel and genuine American walnut stock make the



1894

1894 perfectly suited for thick cover hunting. Caliber: .44 Rem. Magnum; Weight: about 6 lbs. Suggested retail price $115.*, not including scope.

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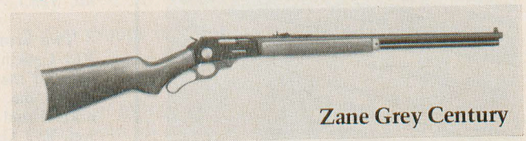

Zane Grey Century

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*Suggested retail price.

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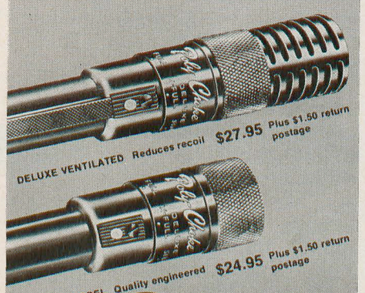

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The Armed Citizen

An armed bandit demanded that Roy O'Neal empty the cash register of his Memphis, Tenn., store. Instead, O'Neal and his wife grabbed guns and fired over the man's head, sending him fleeing. When the O'Neals were asked later by a newsman to pose with their pistols, Mrs. O'Neal said, "If it will encourage other people running little stores to stay armed and stop hoodlums, we'd do so gladly." *(Memphis Press-Scimitar, Memphis, Tenn.)*

In four years of running a New York, N.Y., grocery, Persio Espinal has been held up six times. Recently three men entered the store and two drew guns. Espinal pulled a revolver from its hiding place, killed one of the robbers, and forced the others to flee. Police arrived, took Espinal to be booked for having an unregistered gun, and then began a belated search for the two fugitive robbers. *(Daily News, New York, N.Y.)*

Lester Gegg heard shouts from his neighbors and saw a man with a pistol walking across his St. Louis, Mo., yard. Gegg got a gun, ran outside, and stopped him. A policeman arrived and disarmed the man, who was held on suspicion of committing a robbery and shooting a police officer. *(St. Louis Globe-Democrat, St. Louis, Mo.)*

Seeing two shadowy figures cutting the kitchen window screen of his Kenosha, Wis., home, Ray Goss shouted that he had a gun. The would-be robbers ran, leaving behind a jacket and a pair of tennis shoes. *(Kenosha News, Kenosha, Wis.)*

Two men entered John Cross' Dallas, Tex., gas station and told him, "Get in the back room." Yanking a .38 from under his belt, Cross fired as one bandit pulled a gun and began shooting. Cross managed to wound both men, who were later arrested. *(Dallas Times Herald, Dallas, Tex.)*

Two armed men confronted Mrs. Ray Gaskin and her son at the front door of the Gaskins' Adair County, Ky., home. While the intruders held a knife and shotgun on his wife and son, Ray Gaskin sneaked up behind the men and pointing a pistol at them told them to "get". They did. *(Central Kentucky News, Campbellsville, Ky.)*

A man entered John Speckler's Dayton, Ohio, pharmacy, pulled a gun from his belt, aimed it at a woman clerk, and demanded money. Speckler grabbed a pistol from behind the counter and ordered the man to drop his gun. Instead, the man turned toward him and Speckler fired one shot, mortally wounding the holdup man. *(Dayton News, Dayton, Ohio)*

Hearing a disturbance in his Las Vegas, Nev., living room, Mel Meyers grabbed a revolver off his bedroom nightstand and dashed into the room where he confronted three armed men. When one man struck him, Meyers fired and his assailant fell mortally wounded. The wounded man's companions fled, leaving behind a shotgun. *(Las Vegas Review-Journal, Las Vegas, Nev.)*

Venice, Calif., market owner Edwin Davenport kept his wits when a gunman and his woman companion accosted him in his store. The 75-year-old Davenport noticed the bandit's gun was a toy, grabbed his own gun, and sent the would-be robbers fleeing. *(Evening Outlook, Santa Monica, Calif.)*

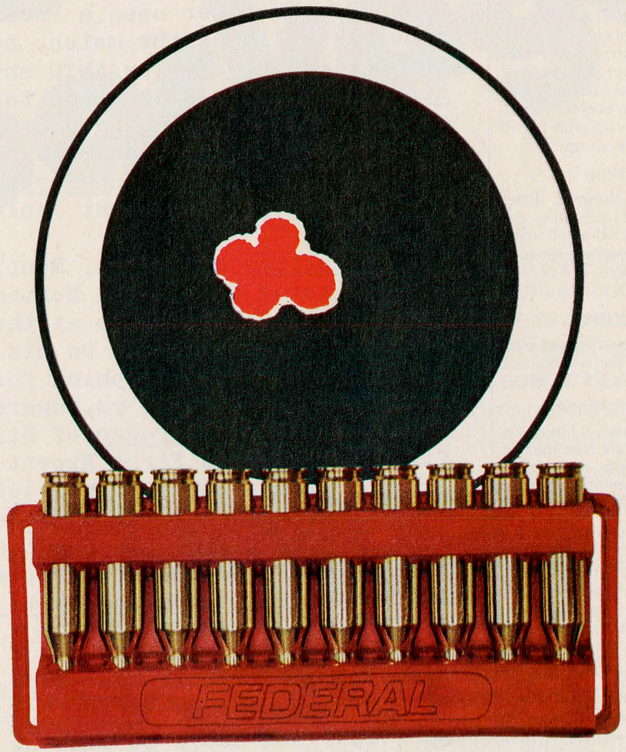
Kansas City, Kans., restaurant manager Donald Lee McIntosh filled a bag with money as the man with the shotgun ordered. When the gunman fled, McIntosh picked up a pistol and gave chase. He wounded the robber in the leg and held him for police. *(The Kansas City Star, Kansas City, Kans.)*

A laughing bandit locked Thomas Boss in the rear room of his Danville, Calif., service station. The irate owner got his .22 rifle, fired three shots through the door, and then kicked the door down, only to find he had scared off the robber. *(Contra Costa Times, Walnut Creek, Calif.)*

Detroit, Mich., cabdriver Louis Farkas wondered why his passenger was taking so long to pay the fare. Then he saw two men approaching on opposite sides of his parked cab. When the man on the left reached in and hit Farkas in the face with a bottle, the cabbie pulled his gun and mortally wounded the assailant. The other men fled. *(Detroit Free Press, Detroit, Mich.)*

Mere presence of a firearm, without a shot being fired, prevents crime in many instances, as shown by news reports sent to The Armed Citizen. Shooting usually can be justified only where crime constitutes an immediate, imminent threat to life or limb or, in some circumstances, property. The above accounts are from clippings sent in by NRA Members. Anyone is free to quote or reproduce them.

Federal Centerfires and Accuracy... they go together.



In recent tests of the major brands of centerfire ammunition, Federal shells were consistently more accurate. Under controlled conditions, we compared the 25 different centerfire rifle cartridges in our line with those of our two major competitors. Target distance was 200 yards. To eliminate aiming errors, testing was done with special accuracy barrels in a fixed mount. Accuracy rank was determined by averaging the extreme spread of three, 5-shot groups for each cartridge.

The results: Federal finished first for 20 out of the 25 cartridges. And in second place the other 5 times. 18 of our target groups measured 2 inches or less across at 200 yards! And all of the rest, but one, were under 3 inches.

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Eley Tenex—(Red Box)

Demonstrating the virtue of slowness, Tenex shooters consistently carry off major titles and trophies. In the 1968 Olympics, 84% of all smallbore rifle shooters used Eley, winning the gold medal and the next eleven places. Box of 50—$2.35

Eley Match—(Black Box)

New for 1970, offers the competitive and club shooter superior Eley accuracy and reliability at a very reasonable cost. Box of 50—$1.85

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Developed from Tenex experience, it has an exceptionally low velocity to minimize muzzle movement. It's the "Tenex of pistol ammo" and accounted for one-third of the ammo used in the free pistol event at the 1968 Olympics. Box of 50—$2.05

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Eley 22 L. R. Pistol—(Light Blue Box)

The favorite in regular club events. It boasts a lower velocity than any rifle ammunition and is widely used for practice shooting. Box of 50—$1.70

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The competitive shooters' SCORE SHEET



Capt. James P. Whitaker of the Army Marksmanship Training Unit took an early lead over a field of 40 low gunners and kept the lead for three days, winning the Pennsylvania Int'l Skeet Championships with 290x300. Whitaker used a Perazzi o/u with Federal shells at the match, held July 14-16 in Huntingdon. Fellow AMTU shooter Capt. Ken Gilbert broke 286 birds for second place. Ellwood Hunsberger of Philadelphia was First Civilian and State Champion with 281 and his son Kurt Hunsberger, 15, dusted 276 targets for the First Junior title.

Dave Mattice of Helena, Mont., turned in a 479-10X total to win the Montana State High Power Rifle Championship at the Butte Gun Club's range Aug. 5-6. On his way to the title, Mattice won trophies for the 600 yd. match and the 300-600 yd. aggregate. First Master was Curt Magruder of Billings, who fired 469-8X, and First Expert went to Les Johnson of Missoula for his 449-8X. Peyton Gaskill of Helena garnered 346-1X for the First Junior title. In the team event, the Montana Nat'l Guard was first with 1808-29X, followed by Montana Rifle & Pistol Ass'n at 1802-29X.

Border Patrolman Jerry Jackson, 1971 National Police Combat Pistol Champion, rolled up a 1487-96X score to win the Seattle, Wash., Police Combat Regional Championships Aug. 12-13, over 110 other policemen. California Highway Patrolman Bill Davis was five points behind for second place, and Ida Younger McKinney of the Denver, Colo., Police Dept. was First Woman. Team honors went to the California Highway Patrol for a 2349-123X score, and second place team was the Seattle Police Dept. with 2335-122X. Police officers from five States and Canada attended the match.

. . . cont'd on page 138

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Editorial

The NRA Accepts A Kennedy Challenge

On CBS TV News Aug. 10, 1972, The National Rifle Association was directly challenged by U.S. Sen. Edward M. Kennedy (Mass.) "to develop its own educational program, so buyers of guns will have some certification to show they know how to use the weapons they buy."

Taking up this challenge, the NRA through Executive Vice President Maxwell E. Rich has written to CBS, NBC and ABC declaring that it was ready, willing and able to teach firearms safety on a national scale provided that national media such as television networks would cooperate.

As stated in the letter to the networks, the NRA "wholeheartedly accepts this challenge (from Sen. Kennedy) as a constructive opportunity for a great and needed national service," but, as the letter points out, "such a program can succeed only if it is given ample support by the news media and public figures in position to encourage it."

"As a matter of fact, The National Rifle Association is singularly able to conduct such a program on the basis of its long experience and organization. We already have more than 122,000 volunteer instructors in firearms safety."

The NRA Hunter Safety Training Program was instituted in 1950. Since then, some 6,274,000 young people have completed this course with the cooperation of State Agencies in their States. The program is conducted by volunteer instructors who work without any reward except for the satisfaction of giving this training.

Nearly 10 years ago, the NRA initiated a similar course in Home Firearms Safety. More than 52,000 persons have graduated from this course. Its scope has been limited largely by a lack of publicity. It is here that the news media of America can play a most important role. Here, also, is an opportunity for persons influential in public life to express themselves in favor of such a program.

The effectiveness of these educational safety programs is demonstrated in the statistics of the National Safety Council. Accidental deaths by firearms, which were at the rate of 2.5 per 100,000 people in 1932, have never been over a 1.5 rate since 1957, and were 1.2 at the 1971 figures. Few, if any, other accidental causes of death show a comparable decline. (The rate on poisons is 1.7, fires and burns 3.2, drownings 3.6, falls 8.7, and motor vehicles 26.5). However, we are anxious to do everything possible to reduce accidental gun fatalities still further.

General Rich concluded:

"In accepting the challenge hurled at us, we must return one. We challenge the communications media to join with us to accomplish this task. They can reach the people and bring them to our instruction classes. Working together, an outstanding educational task can be accomplished. We would like to give you further details of what we have done and what can be achieved jointly under a broadened program." ■

(Permission is granted to reprint this editorial.
The American Rifleman, Washington, D.C., October 1972)

SPORTING USES OF THE SNUBBY

By HARLEY SHAW

(Editor's note: Handguns are under increasing political pressure. This is due in part to the assumption that handguns are of limited sporting use, hence they can be brought under restrictive legislation with less opposition than shoulder arms. Recent efforts in gun control attempt to classify handguns into sporting and non-sporting categories. Criteria used are barrel length, physical size and general quality of the piece.

The use of barrel length or physical size alone to define the potential sporting uses of a handgun is questionable. Some objective assessment of the sporting value and capabilities of short-barreled handguns should be made.)

The small revolver has functions other than pure self-defense. These functions are directly related to its small size and light weight. These characteristics are of considerable importance to the backpacker or field worker who wants to carry a firearm. The small handgun can be easily carried where larger arms generally require a belt holster and may create discomfort during long treks on foot or horseback. Even when carried in a holster, the small guns create few problems.

The value of a 2″ barreled handgun for hunting or survival use may be questioned by some. Most of my experience has been with a Smith and Wesson Kit Gun with 2″ barrel in .22 long rifle caliber. In the hands of an experienced shooter, this small revolver is quite adequate for the average small game hunting situation. I purchased mine after firing it alongside the 6″ barreled revolver I then owned. With a little practice, from a sitting position I could shoot groups close to those I could shoot with the longer barrel. The handiness of the gun more than balanced any decrease in accuracy for my purposes.

Since buying this gun two years ago, I've killed more small game with it than any handgun I've ever owned. This is because I almost always have it along when I'm afield. This was not true of the longer gun I owned previously. At 20-25 yds., my Kit Gun can consistently take small game when shots are made from a rest or sitting position.

My job carries me far afield, away from human populations. The potential protective function of the gun is a minor consideration. I've never really considered it necessary for survival in a truly life or death sense, but it has eased hunger pains when unexpected over-nighting afield has been necessary. Though I meet few people when riding the back country, I find it distasteful to flaunt a handgun in the open on a heavy belt. I prefer to make as little ado as possible about the presence of a gun.

Though my actual experience in hunting with the small .38's has been limited, I feel that load choice is critical. The bullet shape is a major determinant of performance. Many loads will group as well or better than a .22. Wadcutter bullets perform on game better than round-nosed types, especially for low velocity loads. Semiwadcutter designs are also good, and are more accurate than full wadcutters for heavier loads. Lightweight jacketed bullets at higher velocities may give higher energies, but usually shoot low when compared to point of impact with heavier bullets.

The greatest difficulty experienced with small .38's having fixed sights is getting them to shoot to point of aim. Usually, loads approximating factory 158-gr. ammunition are needed for this. However, given good groups, the gun



Author's target, fired at 25 yds. from sitting position with the .22 Kit Gun pictured, demonstrates accuracy for field use.



Small handguns are easily carried without inconvenience or discomfort while on foot or horseback.



A steady field position is especially important with the smaller guns. The author prefers sitting with a backrest, where possible.

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ABOUT THE AUTHOR

Harley Shaw, a research biologist for the Arizona Fish & Game Department is in the field five days a week. For two years, he has been studying the mountain lion. He has held an Expert rifle classification and enjoys hunting deer and small game.

can be adjusted to almost any ammunition. Therefore, the small .38 certainly can be used for hunting.

Some people are concerned over the accuracy lost by going to a shorter barrel. The shorter sight radius is not always the detriment it may seem. The handiness of the gun outweighs any loss of accuracy from longer barrels. I once borrowed a .22 Kit Gun with a 4" barrel. Except for larger grips and the longer barrel, it was identical to my own. After firing four five-shot groups at 25 yds., I could shoot somewhat smaller groups with the longer-barrel, but the difference was not significant for normal field use. Where compactness and weight are to be considered, the shorter gun is definitely adequate at normal small game ranges.

A small .22 revolver can be an effective and useful gun. With high-speed hollow-point ammunition, it is suitable for small game at practical ranges. Although some people may have reservations about small .38 special revolvers, for similar purposes accuracy is equivalent to the .22, and more power can be attained. The new factory semiwadcutter rounds should do well, and can be easily duplicated by the handloader. The .38's also are useful with shot loads for snakes and other vermin, being much more effective than the .22 shot cartridge for this purpose.

It is evident from the widespread use of small revolvers by experienced outdoorsmen, that the small handgun does fill a useful and necessary place in the group of sporting firearms. ■

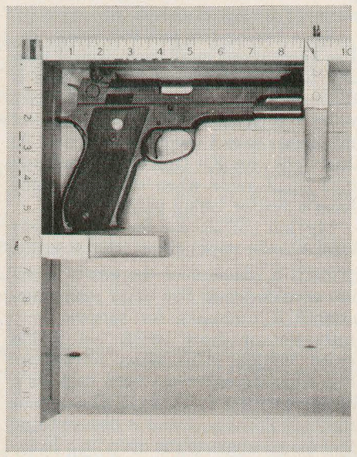
Relative accuracy attained by author with small .22 and .38 revolvers. All firing was from sitting position with a back-rest. Range was 25 yards.

Bullet	Powder	Charge	Avg. Group	POI*
.38 Special S & W Model 36				
158 gr. Swaged SWC	Bullseye	2.5 gr.	3.0"	6" low
148 gr. Swaged WC	Bullseye	2.7 gr.	6.1"	14" low
156 gr. Lyman				
358156 gas chk.	Unique	6.0 gr.	4.9"	2" low
110 gr. Sierra JHC	Unique	7.3 gr.	3.9"	10" low
S & W Mod. 34 Kit Gun, 2" bbl. .22LR				
Win. LR hp.	—	—	3.6"	—**
S & W Mod. 34 Kit Gun, 4" bbl. .22LR				
Win. LR hp.	—	—	2.2"	—

* POI-point of impact relative to point of aim.
** Both .22 handguns had adjustable sights.

A SIMPLE WAY TO MEASURE HANDGUNS

BECAUSE of their generally irregular shapes, it is sometimes difficult as well as tedious to obtain accurate length and height measurements of handguns. A solution to this problem is provided by an easily operated fixture designed and built by *The American Rifleman* Technical Staff. The bill of materials required was filled at a cost of about $10.



Movable stops of fixture can be positioned to indicate both height and length of handguns to within 1/16".

This fixture consists of a right angle frame attached to a base. Ruled scales are screwed to the tops of the angle frame side pieces which are slotted to accommodate movable stops. Indicators on the tops of these stops register with the ruled scales. If desired, the movable stops can be fixed in position by tightening the wing nuts on the stop screws.

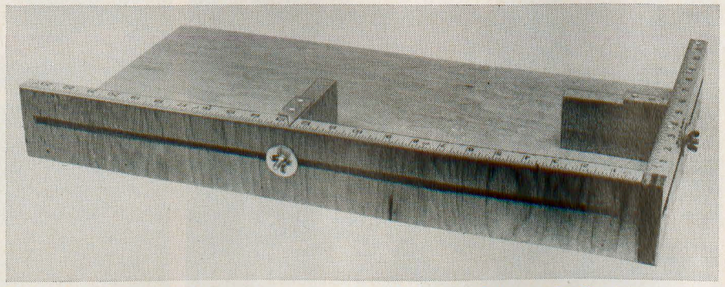
In use, a handgun is placed in the fixture so that its top surface and one end abut the angle frame. The movable stops are then positioned to bring them into contact with the gun after which the length and height dimensions can be read directly and quickly from the ruled scales.

Dimensions of the fixture are not critical. Overall size of the NRA fixture is 12¾" x 24¾" x 3½", and it has a usable measuring area of 11" x 23". Two metal rules, 12" and 24" in length, with 1/16" graduations were used for the scales. It is suggested that the rules be no wider than ¾". When installing the rules on the angle frame, it is essential that they be lined up with the *inside* edges of the angle frame. This precaution will insure direct and accurate readings.

All wood surfaces of the NRA fixture were given an initial coat of shellac followed by two coats of varnish and a final coat of paste wax.—KENNETH C. RAYNOR

BILL OF MATERIALS

Quantity	Item	Description
1	Base	12¾"x24¾"x¾" plywood
1	Side piece	24"x3¾"x¾" plywood
1	Side piece	12¾"x3¾"x¾" plywood
2	Stops	2½"x4"x¾" clear fir
2	Indicators	¾"x2"x1/16" aluminum
2	Rulers	12" and 24" long x ¾" wide 1/16" grad.
12	Screws	#6x¾ flat head wood screws
2	Screws	¼-20x4 round head machine screws
2	Nuts	¼-20 wing nuts
2	Washers	¼ large dia. flat washers



Side pieces are slotted to permit movement of stops which can be fixed in position by tightening wing nuts on stop screws.

HUNTERS TO SHOOT IN IRON SHOT TEST

By WILLIAM F. PARKERSON, III
Assistant Editor
THE AMERICAN RIFLEMAN

AMERICAN hunters this fall will take part in a pilot program to test iron shot as a substitute for lead in waterfowl hunting.

Biologists estimate that 3-4% of North American waterfowl die each year from lead poisoning. And conversion to a non-toxic substitute for lead shot has long been advocated by the NRA and other wildlife and conservation groups. Tests are being conducted by the Department of the Interior's Fish and Wildlife Service in the following National Wildlife Refuges: Bombay Hook in Delaware and Montezuma in New York for the Atlantic Flyway; Shiawassee in Michigan and Sabine in Louisiana for the Mississippi Flyway; Monte Vista in Colorado and Bosque del Apache in New Mexico for the Central Flyway; and Bear River (Migratory Bird Refuge) in Utah for the Pacific Flyway.

Hunters who assist in the studies will shoot only iron shot on certain days in selected sites, using 12-ga. ammunition supplied by Fish and Wildlife. When iron shot is not being used, these areas will be open to hunters using lead shot and guns of any gauge.

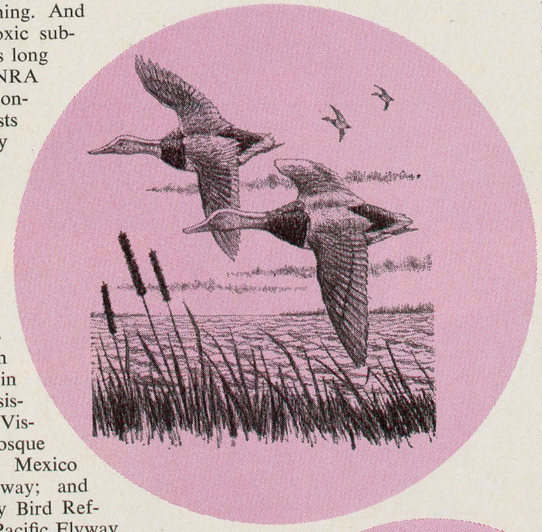
To take part in the program, hunters have only to check in at refuge headquarters, pick up their allotment of free iron shot shells, and obtain a questionnaire which they return at the end of the hunting day.

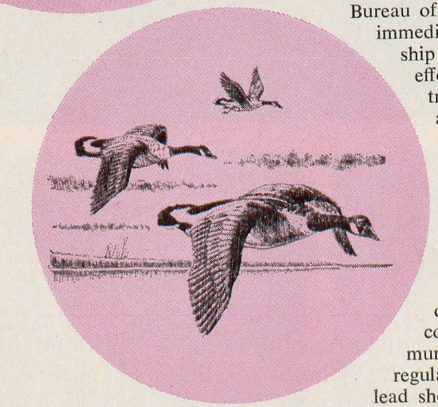
Fish and Wildlife Service personnel will carry out observations in the field during the hunting. Their observations and the completed questionnaires will be used to evaluate the performance of the iron shot as to the number of birds killed and crippled, to determine hunter reaction to the shells, and to enable the Service to work out the necessary field regulations for a possible substitute for lead shot.

Poisoning occurs when the birds pick up spent lead shot while bottom feeding. Salts from the lead damage internal organs, impair their normal functions and usually cause death.

In heavily hunted areas where the spent pellets do not sink out of reach, the shot remains available to waterfowl for many years, each pellet capable of killing a duck if pulverized in its gizzard. It is estimated that several thousand tons of lead shot have been deposited in waterfowl habitat since 1940.

Research has been going on over the years in an attempt to find a non-poisonous type of shot and it appears that soft iron offers the best alternative to lead. Iron shot was put through tests at Winchester's Nilo Farms in Illinois in 1964-65 and at Patuxent Wildlife Research Center in 1968, and was found to be acceptable under controlled conditions. Tests last year at Remington Farms in Maryland demonstrated that iron shot is effective in killing waterfowl and, according to Remington, caused no significant damage to gun barrels.





However, the Fish and Wildlife Service recommends that hunters assisting in the tests this year use American-made guns of post-1945 manufacture because some experiences with earlier iron shot did produce barrel scratching and choke deformation.

Spokesmen for the Service say that the arms and ammunition industry will continue to work on perfecting the shot shells to prevent barrel damage from the harder shot. It has been found that No. 4 iron shot is approximately the equivalent of No. 6 lead shot in weight and performance and most of the currently manufactured iron shot loads are No. 4. The shells to be used in the Fish and Wildlife Service pilot program will be manufactured by Remington, Winchester, and Federal and should be approximately the same in quality and design.

Secretary of the Interior Rogers C. B. Morton in announcing the pilot program stated, "American hunters have made a great contribution to the protection and management of wildlife. I'm sure they will support us fully in our attempts to find a solution to lead shot poisoning."

The Board of Directors of the National Rifle Association at the 1971 Annual Meetings recommended "that the Bureau of Sport Fisheries and Wildlife immediately assume positive leadership to marshal and coordinate all efforts, including those of industry, to bring about a prompt and satisfactory resolution of this contamination problem by encouraging the manufacture of an acceptable non-toxic substitute to replace lead shot for waterfowl hunting." The Board of Directors further urged the Bureau "in the absence of compelling reasons to the contrary submitted by the ammunition industry, to adopt a regulation prohibiting the use of lead shot for waterfowl by the 1973 waterfowl hunting season."

A committee comprised of Fish and Wildlife Service biologists, arms company technicians, State fish and game agencies, and private conservation organizations will evaluate the 1972 iron shot pilot program. If it is felt to have been successful, it will be expanded the following season and iron shot may be made mandatory for all waterfowl hunting by 1974. ■

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CAMP PERRY, 1972

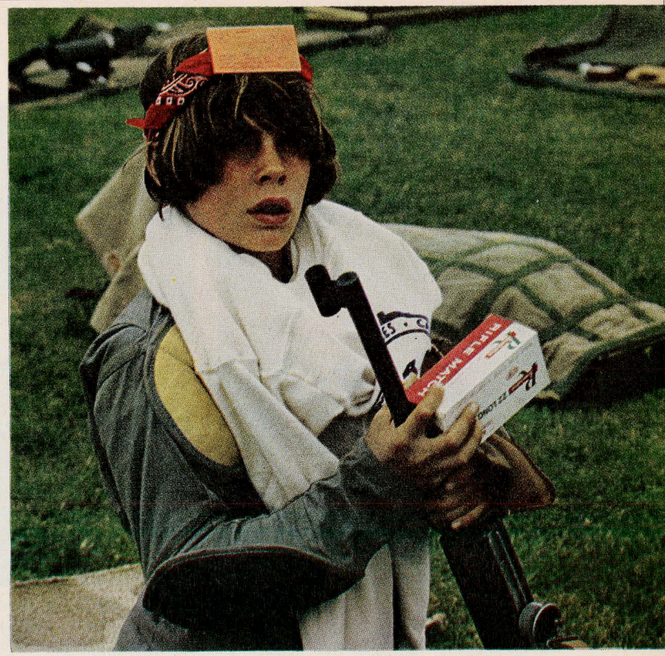
SUMMERTIME rains are almost inescapable, as this photo of the range shows, but the National Matches went on as scheduled. The 2,101 entries weathered the rains in fine form, as scores such as a 100-43X in the Wimbledon proved. The winner, firing through fog and rain, used a service M14 instead of a bolt rifle.

It rained on the smallbore prone individual matches, let up for the position shooters, and the sun smiled for the pistol competitors. Drenched or dry, however, everyone did his or her best.

(The young lady above is Christine Hubbard, 15, of Findlay, Ohio)



Herb Hollister of Boulder, Colo., protected his shooting jacket with a raincoat while changing a soggy prone target.



Chip Gatzert, 13, of Highland Park, Ill., came to Perry from Camp Mohawk for Boys in Wisconsin, where he learned shooting.

KENDALL, BOYD TAKE SMALLBORE HONORS

By RONALD W. MUSSELWHITE
Assistant Editor
THE AMERICAN RIFLEMAN

THE rains came to Camp Perry this year, a deluge that thoroughly drenched the line of prone shooters and kept them soggy for the entire shoot. They had to wade through standing water to get to the firing line, and wade through more to change targets. And still more rain fell.

However, almost all of the 477 belly shooters stayed for the course, and turned in respectable scores, sometimes while raindrops kept falling on their heads, their sights, and certainly their psyches.

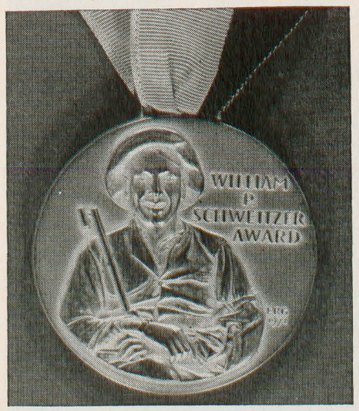
In the wettest National Smallbore Prone Championships in recent years, Army Maj. Presley W. Kendall of Atlanta, Ga., shook the water off his sights and punched out a 6394-536X score for the National Smallbore Rifle Prone Champion title.

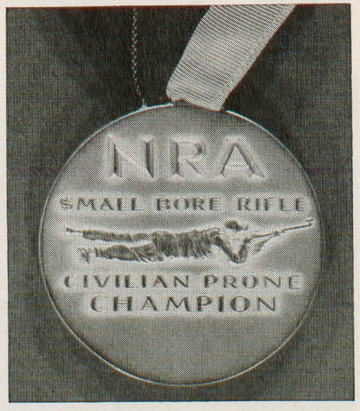
This was a year of close matches—and the prone championship was an even closer race than the cliff-hanging pistol championship of the previous week. Kendall came out only two X's ahead of the runner-up, Army Reserve Maj. Bruce A. Meredith of Spartanburg, S.C.

Kendall had begun his climb with a perfect 400-40X in the first individual match of the tournament, a 50-yd. metallic-sight match under sunny skies. He came in second in the next match, at 50 meters, and Meredith took first place in the last two of the day's four matches. On the second iron-sight day, Kendall had one first place and Meredith one third.

But from somewhere down in the pack a young Army Reserve PFC from Peoria, Ill., named Steven Kern took second place in a Dewar course.

That second was the only match in which he was in one of the top three places, but as often happens in the shooting game—especially in a 3200 prone tournament—his consistently high scores added up. He had dropped only





The William P. Schweitzer Award, established as a memorial to the well-known shooter by his widow, was presented for the first time this year. The award is a 14K gold medal on a two-tone blue ribbon, and is presented to the National Civilian Prone Champion.

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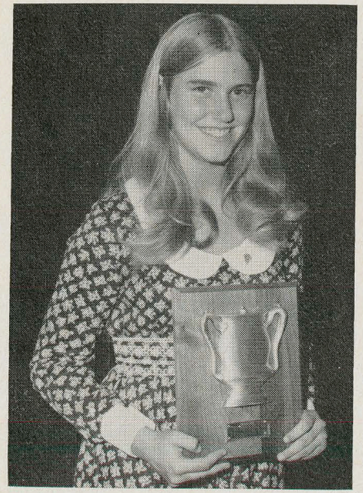




Girls from opposite sides of the country captured the Junior smallbore titles: Californian Mary Lou Adler (l.) is Junior champ in prone shooting, while Mary Keys from Virginia won both Junior and Women's titles in position shooting.



The day after winning the Metallic-Sight Prone Championship, Steve Kern takes aim in an any-sight match.



The family that shoots together . . . Dave Ross, Prone Any-Sight Champ and Dewar Team captain, and his wife, Ellen, a Randle Team competitor, relax behind the line between relays.

three points out of 3200, and his resulting 3197-247X gave the 23-year-old wine salesman the title as National Smallbore Rifle Prone Metallic-Sights Champion. Kern used a Remington 40X with Womack barrel and Freeland tube sights.

The same was true of the runner-up, Ron Coleman of Decatur, Ga. The All-American shooter from East Tennessee State University had only one second place, but his 3196-235X aggregate was just one point behind Kern's. Kendall was third with 3195-259X, and Meredith stuck close by, only one X behind Kendall.

Army Reserve Capt. Margaret Murdock captured the iron-sight Woman Champion spot with 3192-229X.

The soggy any-sight portion of the matches began with a three-way unbreakable tie in a 50-yd. match, with Carlton DeHart of Hagerstown, Md., and Army Reserve Captains David Ross, III, of Houston, Tex., and Dennis Dingman of Sioux Falls, S. Dak., all shooting 400-40X. In a 200-point shootoff, DeHart came in third by shooting 200-16X while the other two scored 200-18X. Dingman dropped an X in the last target while Ross cleaned that target, so Ross was declared match winner by tie-breaking rules.

Ross, the 1970 prone champion, went on to pile up any-sight aggregate score of 3199-289X for the National Smallbore Rifle Any-Sight Prone Championship.

It was another close one—Kendall and Meredith were hot on his heels, Kendall taking second place with 3199-277X and Meredith third with 3199-276X—one X behind Kendall again.

Mary Lou Adler, a Junior from Vista, Calif., stacked up a 3196-250X score for the Woman Any-Sight Prone Championship.

Though he had won neither the metallic-sight nor any-sight sub-aggregate, Kendall's two scores gave him a total of 6394-536X for the National Smallbore Rifle Prone Championship title. Meredith was one X behind Kendall in both sub-aggregates, which put him a total of two X's behind in the aggregate for the runner-up spot. Ross was third with 6393-540X.

Kendall, 35, has been a shooter since he was about 10 years old, and has figured in the National Championships for quite a few years. He won the National Smallbore Junior and Collegiate Championships in 1954, the Prone Championship in 1962 and the Position Championship in 1964. Now stationed at Ft. McPherson, Ga., he coached an ROTC team from the Third Army at Perry this year. He used an Anschutz rifle with Lyman 20X scope and Anschutz iron sights.

As an active-duty captain with the AMTU, Meredith won the Prone Championship in 1967 and set a record of 6396-539X. The mark was broken in 1970 by Ross, who added 15 X's to the score.

Capt. Murdock, whose name is more readily associated with the National Woman Champion title in position shooting than in prone , added 3194-257X in any-sights to her metallic-sight score for a total of 6386-485X and the Remington Trophy as National Smallbore Rifle Prone Woman Champion. She won the ladies' title in prone in 1969, and in position in 1965 through 1969.

Mary Lou Adler, an ebullient 15-year-old Californian, totaled 6374-479X to edge out fellow Golden Stater John Lane of La Habra by one point for the National Smallbore Rifle Prone Junior Championship, her first major title.

In the civilian category, San Francisco gunsmith Tom Whitaker, who as an Air Force staff sergeant was National Prone Champion in 1969, came in first with 6392-523X. Ransford Triggs of Madison, N.J., a veteran of many years of National Championships and holder of innumerable titles, added one more title to his list: National Smallbore Rifle Prone Senior Champion, taken with a score of 6384-487X.

Saturday, the first day of prone shooting and team match day, brought beautiful sunny weather. But that team day and half a day of the individual matches was about all the rainless shooting the prone riflemen were allowed. About halfway through the first 100-yd. iron-sight match—the fourth individual match on Sunday—rain began to fall.

The shooters weren't to see the sun again for long enough to recognize it during the rest of their matches. Temperatures dropped to the point where shooting jackets were welcome additions to the wardrobe, and the mercury dipped into the 40's on a couple of nights. On one cold drizzly day, someone started an almost-believable rumor of snow flurries in nearby Toledo.

The prone matches were over late Wednesday afternoon, and the sun came out about 20 minutes later, causing one disgruntled belly shooter to glare at the sky and growl, "God must be a position shooter!"

Sure enough, the two days of position shooting were as bright and sunny as anyone could expect in August. Shooters happily shed their rain suits, ponchos, and miscellaneous contrivances they had rigged to keep themselves as warm and dry as possible.

The position matches are also unpredictable, though not so much so as the prone shoots, perhaps partly because there are only four 4-position matches to contend with.

The matches began badly for Marine CWO David I. Boyd, II. During the metallic-sight shooting on the first day, a glance at the scowl on his face was enough to tell an onlooker that Boyd wasn't happy with himself.

But the scowl understandably cleared up during the firing of the any-sight matches on the second position day: Boyd began the day by firing a 799-58X score to win the first any-sight match and break the national record of 799-57X set by Army Maj. Lones Wigger in 1966. This really put the pressure on Boyd; he was leading, but both Margaret Murdock and top-flight Junior shooter Mary Keys were only one point behind —23 down for the three matches fired so far—and Wigger, who had come in second at 797-50X in that same any-sight match, was only down 26. And, as has often been said, you don't count Wigger out until the last shot has been fired.

Boyd responded to the pressure and took first place in the remaining any-sight match with 795-49X, clenching the National Smallbore Rifle Position Championship with an aggregate of 3173-193X.

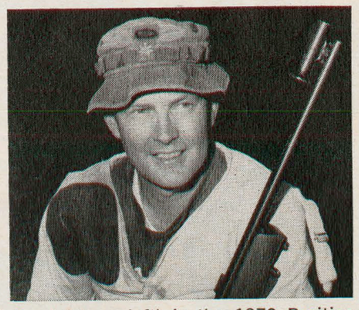
Wigger, position champ last year and five times before that, came up with a 792-53X in that last match for the runner-up spot at 3166-197X. Army Maj. John Foster, who had a first and a second place in the iron-sight matches, was third with 3165-180X.

Mary Keys, an East Tennessee State University student from Springfield, Va., who surprised everyone by setting a new national iron-sight position record and winning the Woman Position Championship last year, didn't make it to the prone shoot because of summer session final exams at school. But she was there for the position matches, and began her last year as a Junior at the National Championships like a house afire, winning the first metallic-sight match with 795-45X. She ended the day in the lead with 1587-94X, a scant two X's ahead of Foster, but dropped 22 points in the any-sight matches.

This gave the young All-American a total of 3165-178X. She retained her National Woman Smallbore Rifle Position Champion title and took the Junior Champion title as well, a month before her 19th birthday.

Another All-American, Ed Etzel of Tennessee Tech, took the Civilian Champion honors with 3164-178X, and the Senior Champion title went to Robert S. Kline of McKeesport, Pa.

In the prone team matches, fired the



National smallbore rifle champions: David Boyd (above left) is the 1972 Position Champion, while the Prone Championship went to Presley Kendall (above right). Margaret Murdock (below left) won the Woman Championship in prone shooting, and Tom Whitaker (below right) is the Prone Civilian Champion.





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"Randle Team members assemble at the tower," said the PA system; so shooters coaches, and curious bystanders clustered around as team coach Inez Sargent (center, with clipboard) and captain Tricia Foster (with notebook) explained the match schedule.

day before the individual shooting began and thus the only dry day of prone shooting, the Army Reserve "Gold" team of Captains Dennis Dingman, David Cramer, and Thurston Banks and PFC Steven Kern led off by capturing the Metallic Sight Team title with 1598-103X. Marine Corps Reserve "Red" was second with 1594-103X, only eight X's ahead of Third Army ROTC.

The "Stinknik Gentlemen"—Larry Wilkins of Seville, Ohio, Douglas Knoop of Kettering, Ohio, Kenneth Johnson of Washington, Pa., and Dean De La Mater of Weirton, W.Va.—all cleaned their targets for 1600-124X and the Prone Any-Sight Team Championship. Ronald Silber of Cincinnati, Ohio, captained the team and George Stidworthy of Prescott, Ariz., was coach.

Army "Blue" was down one point for second place, and Army Reserve "Gold" dropped two points for third.

The Marine Corps copped the Hercules Trophy for the Position Metallic Sight Team Championship as Sgt. Larry Graham, CWO Greg Connor, Gy/Sgt. Jerry Boswell and CWO Dave Boyd, coached by MGy/Sgt. Frank Almeida, totaled 1569-78X. Army "Blue" and Air Force "Silver" were second and third with 1568-74X and 1567-80X.

The Army Reserve dominated the position any-sight match, taking first and third places. USAR "Gold" team of Captains Margaret Murdock, Thurston Banks, David Cramer, and John S. Watkins was first with 1572-91X. Army "Blue" once again was one point behind for second place, and USAR "Green" scored 1570-76X for third.



A pair of spectators bundle against the weather while watching prone shooting.



Larry Wilkins of Seville, Ohio, takes it easy on the line while waiting for the rest of the shooters to finish a prone match.

U.S. teams for two international prone postal matches were chosen and fired at Camp Perry.

The 10-member ladies' Randle Team, chosen from scores fired in the Prone Metallic Sight Championship, scored a total of 3982-245X over the Dewar course with metallic sights. Team members were Capt. Margaret Murdock, USAR, Parris Island, S.C.; Mary Lou Adler, Vista, Calif.; Linda Ritchie, Morris Plains, N.J.; Barbara Hampson, Homestead, Fla.; Janet Spohn, Maumee, Ohio; Susan Lausten, Westerville, Ohio; Deborah Hicks, Flagstaff, Ariz.; Marianne Vitito, Freeland, Mich.; Schuyler Helbing, Ft. Worth, Tex.; and Ellen Ross, Houston, Tex. Alternates were Janice McCarroll of Mundelein, Ill., and Patricia Sawyer of Fairfield, Conn. Tricia Foster of Columbus, Ga., was team captain and Inez Sargent of Sugar Land, Tex., was coach.

In the Dewar Match, a 20-man team fired the Dewar course with metallic sights. The team scored 7816-343X.

Team firing members were: Thomas J. Whitaker, Belmont, Calif; 1/Lt. Paul R. Collins, NGUS, Hickman, Tenn.; Maj. Presley W. Kendall, USA, Atlanta, Ga.; Allan F. Knowles, Whittier, Calif.; Capt. Margaret T. Murdock, USAR, Parris Island, S.C.; Thomas H. Guerin, Los Alamitos, Calif.; Gy/Sgt. Jerry F. Boswell, USMC, Quantico, Va.; Edward F. Etzel, Cookeville, Tenn.; Joseph W. Barnes, Jr., Branchville, N.J.; Maj. J.A. Hinkle, USMCR, Stone Mountain, Ga.; Edgar P. O'Neal, Richardson, Tex.; Ronald E. Coleman, Decatur, Ga.; Sgt. John E. Comley, USMCR, Rochester, N.Y.; Robert E. Ralston, Spring Valley, N.Y.; Pvt. Steven R. Kern, USAR, Peoria, Ill.; Capt. Dennis A. Dingman, USAR, Sioux Falls, S. Dak.; Roy E. Oster, Upper Darby, Pa.; Capt. John S. Watkins, USAR, Fairfax, Va.; Frank R. Boyd, Dover, N.J.; and T/Sgt. Kurt J. Degerlund, USAF, San Antonio, Tex. Alternates were Kevin Richards of Valley Stream, N.Y., and Eric Sundstrom of Varnville, S.C. The team was captained by Capt. David Ross, III, USAR, of Houston, Tex., and the adjutant was Maj. Bruce A. Meredith, USAR, of Spartanburg, S.C. The official witness for both the Randle and Dewar matches was Beverly McGee of St. Croix, V.I.

U.S. teams won both the Randle and Dewar matches last year, with 3987 points in the Randle match and 7886 in Dewar. Great Britain was the runner-up in both matches. ■

X-COUNT WINS PISTOL CROWN FOR HARMON

By RONALD W. MUSSELWHITE
Assistant Editor
THE AMERICAN RIFLEMAN

THERE'S no doubt about it: 1972 has been a good year for Bonnie Harmon.

The 38-year-old Army sergeant first class has won almost every pistol match he has entered this year, including the All-Army matches in May and the Inter-Service pistol shoot in June. At Camp Perry he capped the season by firing a 2650-121X score for his first National Pistol Championship, relegating two former champs to second and third places.

The Championship was far from an easy victory; Harmon was two points behind three-time National Pistol Champion Don Hamilton as the final day of shooting began, Harmon having taken the .22 Championship in the first day's firing with 890-51X, and Hamilton firing 884-36X for the Center-fire Championship the second day. In the .45 aggregate, the final day of match shooting, National Guardsman Milo Vlasin came in first with 886-29X; Harmon finished third and Hamilton fifth, with 884-38X and 882-41X respectively.

This gave both the top shooters final scores of 2650, and also gave them some long moments while the targets were carefully scored back at the scoring shack. Finally it was official: Harmon had squeezed by Hamilton with a margin of four X-ring shots.

Frank Higginson, Marine warrant officer and former National Pistol Champion from Quantico, Va., had a bad start with only an 880-41X in .22. He built his scores up steadily for the next two days, taking second place in both the center-fire and .45 aggregates and outshooting both Harmon and Hamilton in the .45 matches, but couldn't pick up enough points to overcome that first day's low score. He ended up in third place with 2646-131X.

The scene was all too familiar to the consistently high-scoring Hamilton—in 1962 he ran second due to an X-count, when Bill Blankenship's 2633-128X was 12 center shots ahead of Hamilton's score. Since then Hamilton has been one of the top three finishers in the National Pistol Championships every year except 1963, and was the Champion in 1965, 1966, and 1969.

Harmon, an 18-year Army veteran, has been a member of the Army Marksmanship Training Unit's group of excellent pistol shooters for several years. He has won the titles of National .22 Champion and National .45 Champion at Camp Perry in past years.

The Missourian used a Smith & Wesson Model 41 and Remington ammunition for the .22 match, and a .45 with Monark cartridges for both center-fire and .45 shooting. He customarily uses a .38 for center-fire matches, but decided to fire a .45 instead this time because the usually tricky Camp Perry winds would play havoc with the .38. "I should've used the .38," Harmon muttered later; center-fire day was calm and overcast, and his 876-32X aggregate was lost in the crowd, eight points behind Hamilton's winning 884-36X.

The three-gun, 900-point warm-up match on Sunday, July 30, was an indication of things to come: the top three competitors all had 878 scores. Harmon set his pace for the rest of the matches by winning the aggregate with 44 X's, with Navy petty officer Joe Witherell second with 35 X's and Hamilton third with a 28 X-count.

The next day, Harmon grabbed top place in the .22 rapid-fire and slow-fire matches on his way to the .22 title.

Center-fire day was anybody's ball game. Among the top three winners in each of the four matches, no name appeared twice. But Hamilton piled up 884 points for the championship aggregate.

The .45 matches Wednesday were similar. Harmon placed second in rapid-fire and the National Match Course, and Marine Gy/Sgt. Billy Taggart took one first, one second, and one third place; but the aggregate title winner was National Guard Sp6 Milo Vlasin of Lincoln, Nebr., who did not place among the top three in any of the four .45 shoots, but shot consistently throughout for an aggregate score of 886-29X. Vlasin's performance gave him a total of 2623-96X for the National Guard Pistol Championship.



Observers and shooters waiting for the next relay watch pistol team matches from behind the ready line in this telephoto view.

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Allen Arrington of Charlotte, N.C., a former North Carolina highway patrolman and now a deputy sheriff, used a Clark-accurized .45 and an S&W Model 41 to wrest the National Police Pistol Championship from defender Elwyn Burnett, continuing the game of see-saw which began when Arrington broke Burnett's long reign as Police Champion in 1970. Burnett took the title back in 1971, but Arrington's 2617-96X was nine points ahead of Burnett's score this year.

The Manchester Trophy for the National Civilian Pistol Championship went to Ralph O. Thompson of West Point, Ga., for his 2637-130X. Thompson, who retired from the AMTU in 1968, is now a personnel officer for West Point-Pepperell, a textile firm. The defending Civilian Champion, Ray Tourigny, was second among the civilian shooters with 2624-107X.

Army Reserve Sgt/Maj. Charles Wheeler of San Antonio, Tex., surprised no one by taking the Army Reserve trophy with 2632-118X; he's won that trophy three times in the last four years. Another repeater was S/Sgt. Barbara Hile of Lapeer, Mich., by way of the AMTU at Ft. Benning. She fired 2580-77X to win the National Woman Pistol Champion crown for the second straight year.

The National Senior Pistol Championship went to Capt. Anthony L. Schmieg, 58, a Naval Reserve four-striper from Fairfax, Va., who fired 2551-72X.

In the President's Match, an aggregate of the scores from the National Match Course with all three guns, Gy/Sgt. Billy Taggart totaled 888-44X to win, easing past Hamilton by the tiny margin of one X-ring shot.

In the team competition, the U.S. Army Reserve "Blue" team of Maj. Kenneth Hall, Sgt/Maj. Charles Wheeler, CWO Pasquale Melaragno, and Maj. Benjamin Johnson added up a score of 1170-55X in the .22 shoot, followed by the Marine Corps "Scarlet" and U.S. Army "Blue" at 1169 each. But the gyrenes out-X'd the Army, 50 center shots to 46, for second spot.

The U.S. Navy "Blue" team of Don Hamilton, Joe Witherell, Gasper DeFino, and H. B. Bowlin captured the center-fire team trophy. U.S. Army "Blue" moved up into second place for this match, firing 1156-44X.

Army "Blue" made the final step up in the .45 shoot, bringing home an 1171-60X for an aggregate score of 3496-150X and the team championship. The team of SFC Harland Rennolds, M/Sgt. Robert Whitacre, M/Sgt. Emil Heugatter, and SFC Bonnie Harmon traded places with the Navy "Blue", which fired 1158-48X for second place in .45 and totaled 3484-148X for second in the aggregate. USMC "Scarlet" was third in the aggregate at 3465-134X.

The .45 team shoot on Wednesday afternoon was the last of the NRA matches, but the National Trophy Matches on Thursday were still to go and, as the song goes, "when you're hot, you're hot." Bonnie Harmon was hot. He added one more laurel by coming in first in the individual "leg" match with 294-13X—once again just ahead of Hamilton, who scored 293-14X.

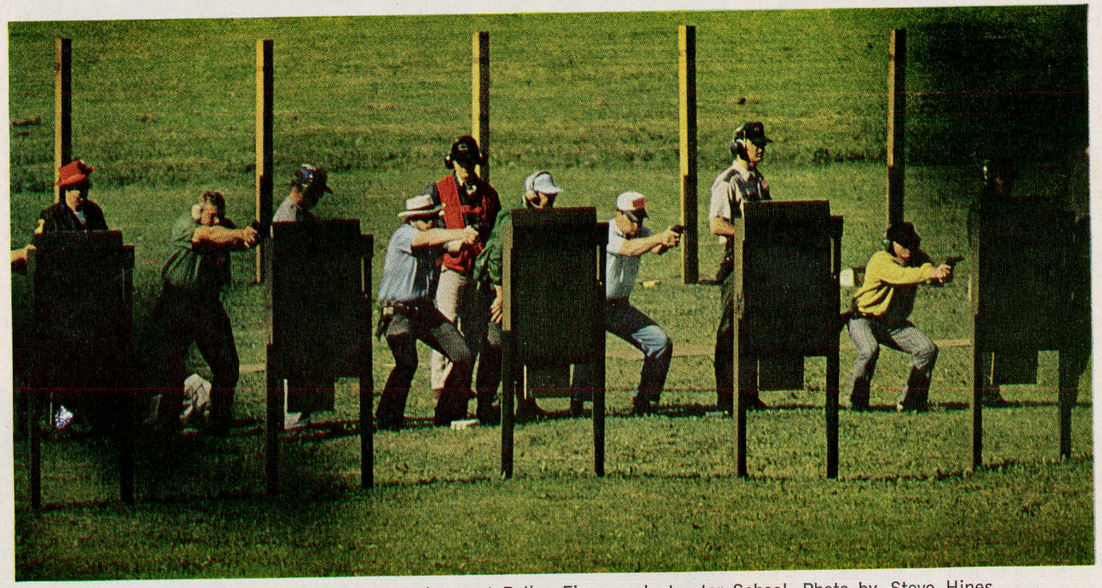
The Army again took the spotlight in the National Trophy Team Match, as the team of Harmon, Heugatter, Sgt. Grady Cowan and S/Sgt. Waymond Alvis produced a total score of 1143-39X to top the field. X-counts were again critical in the battle for second place, as the Air Force "Blue" and Marine Corps "Eastern" teams came up with 1141 each. But the Air Force shooters had 40 X's, 11 more than the Marines.

Weatherwise, the pistol phase was the place to be. A portentous overcast splattered occasional drops of rain on the matches—a whispered threat of things to come during the next week's smallbore matches—but the promised downpour managed to hold off until each day's shooting was over.

The U.S. team for the Mayleigh Cup postal match fired the course on Tuesday afternoon, Aug. 1, after the regular competition had been completed. Harmon was the top scorer in the 30-shot, slow-fire, 50-yd. course with 290-8X. Other Mayleigh Cup team members, chosen from the results of the .22 slow-fire course, were: T/Sgt. Arnold Vitarbo, USAF; Lt. John J. Cusick, USAF; Maj. Gale H. Boehnke, USAR; Sgt/Maj. Charles E. Wheeler, USAR; Gy/Sgt. Max R. Falagan, USMC; S/Sgt. Raul S. Perez, USA; Gy/Sgt. Billy R. Taggart, USMC; Raymond J. Tourigny, Jr.; and Eugene G. Ross. Gil Hebard and H. B. Bowlin were alternates. Ralph O. Thompson was team captain and Gy/Sgt. Jimmie R. Dorsey, USMCR, was adjutant.

The U.S. team totaled 2827-64X, two points better than last year's U.S. team. Great Britain won the Mayleigh Cup match last year with 2834 and in 1970 with 2835. This year's scores for the other nations participating in the postal have not yet been received at NRA Headquarters. ■

Match photography by *American Rifleman* Assistant Editor George Stallings.



Students learn combat pistol techniques at Police Firearms Instructor School. Photo by Steve Hines.

Perry Schools Add Shotgun

THE NRA schools opened up a new area of instructor training at Camp Perry this year as shotgun training was added to the curriculum.

Nineteen student instructors learned the fundamentals of teaching the shotgun in this trial class, operated by NRA staffers Warren Cheek, Don Beddiges, Don Ide, Dale Gaskill, and Wayne Sheets. The 2½-day school was so well received NRA officials plan to make it a regular Camp Perry school.

In the perennially popular Instructor-Junior School, 33 student instructors took part in the instructor phase, then, along with the staff of guest instructors, taught 192 Juniors the fundamentals of rifle shooting. The youngsters, age 12-18, were divided into three groups according to their ages and shooting experience, and shot air rifles or smallbore rifles.

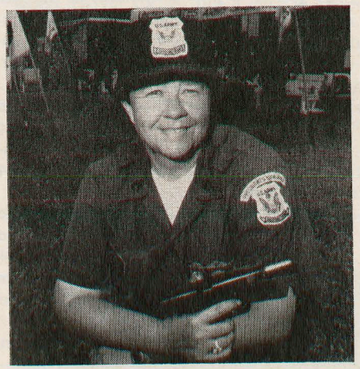
Ed Damon of Arlington, Va., a guest instructor at the I-J school for many years, knows one important reason for the continued success of the I-J School. Speaking for himself and other instructors, he commented, "We like these kids, and they know it, and they respond to us."

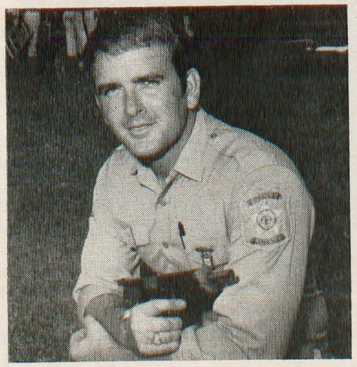
Guest instructors for the I-J school were Damon, Chuck Duncan of Saginaw, Mich., Herb Gwinn of Sacramento, Calif., Dutch Volk of Johnson City, N.Y., Col. Charles Sanders of Indianapolis, Ind., Sally Sloan of St. Paul, Minn., Col. Joe Smith of the Office of the Director of Civilian Marksmanship in Washington, D. C., and NRA staffers Bill Kennedy, Don Ide and Wayne Sheets.

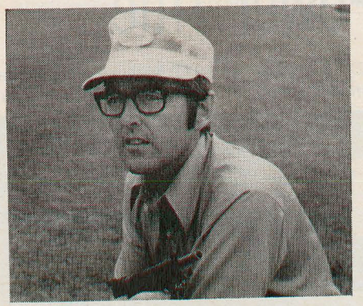
At the Police Firearms Instructor School, 262 students were schooled in methods of teaching shooting to police officers. The Police School included not only the use of police arms, but such subjects as liability and ethical use of weapons, range operation, analysis of combat situations, knowledge of guns and ammunition, and crowd control. This year's attendance was up 51 from the 1971 figure.

Guest instructors at the Police Instructor School were Frank McGee, New York; Herb Binsbacher, Kansas City, Mo.; Richard Traylor, District of Columbia; George Huntington, Indiana University; and William Costello, Phoenix, Ariz. Earl Hamb of Detroit was Range Coordinator, and Ted Villella of Pontiac, Mich. was Chief Range Officer.

Warren Cheek, Assistant Director of NRA's Activities Division, directed the schools at Camp Perry. Assistant directors were Dale Gaskill for Instructor-Junior School and James E. Daugherty for Police Instructor School. ■







Pistol champions: Barbara Hile (far left) is National Woman Champion for the second straight year, Allen Arrington (below left) won the Police title, and the top Civilian is Ralph Thompson (left).

National Pistol Champion Bonnie Harmon (r.) discusses his day's shooting with American Rifleman Assistant Editor Ron Musselwhite.



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Excitement at the NRA National High Power Championships reached a peak as teams took the line and observers crowded to watch.

Edmondson Breaks Bolt-Gun Grip On High Power Title

SFC Martin D. Edmondson scored 1574-52X to capture the 1972 National High Power Rifle title. Firing an M14 service rifle, Edmondson defeated about 400 other riflemen.



By ELLIOTT L. MINOR
Assistant Editor
THE AMERICAN RIFLEMAN

DAY to day developments at the National High Power Rifle Championships this year were almost as unpredictable as the Camp Perry weather. Each sunrise brought new surprises.

Army SFC Martin D. Edmondson broke a five-year bolt-gun grip on the big-bore title when he fired a new national record of 1574-52X with an M14 service rifle.

Sp/5 Joanne R. Stawski became the first person in three years to fire the highest woman's score with an M14 service rifle. Stawski's 1499-30X put her three points above the nearest female bolt-gun contender.

A few days later CWO Ray H. Green surpassed Tom Treinen's 1970 Wimbledon mark of 100 with 32V's by shooting a spectacular string of 43V's.

Then Army Reserve Captain David J. Cramer set a new high in the National Trophy Individual Rifle Match when he piled up 491 with 15X's, bettering the old record by 5X's.

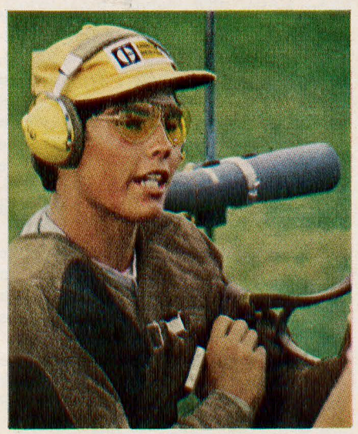
The ultimate display of skill came during six-man team competition when USMC "White" from Quantico, Va., jacked up the record for the Enlisted Men's Trophy Match by laying down a winning score of 1761-66X.

Firing in the Individual championship, Edmondson, of the USAREUR Markmanship Training Unit at Grafenwoehr, Germany, stepped off to an early lead when he won the Members Trophy Match with 197-7X. This left defending champion Ronald Troyer from Williamsfield, Ohio, three points behind at 194-5X. Edmondson continued to gain ground in the afternoon by shooting a possible in the rapid-fire Scott Trophy Match. Although this put Edmondson seven points ahead, his lead was only transitory. High winds the next day held his scores down.

Troyer, said to be adept at beguiling the wind, soared upward, posting 199-7X in the 300-yd. Coast Artillery Trophy Match and 196-7X in the 600-yd. Army Cup Match. Meanwhile, Edmondson lost his chance at winning the President's Aggregate, the first 800 portion of the individual championships. His last two shots in the Army Cup Match drifted into the eight ring instead of the 10. This left the aggregate wide open for Troyer, who ended up with 785-24X to Edmondson's 782-23X.

Trekking resolutely up to his firing point the next morning. Edmondson made ready to gain back the points he had lost the previous day. Firing in the prestigious Navy Cup Match from 200 yds. in the standing position, Edmondson put together 197-5X for another lead on Troyer. The Army shooter lost that advantage that afternoon, however, when Troyer turned out a perfect score in the rapid-fire Coast Artillery Match.

When the Marine Corps Cup Match got underway at 300 yds. the next morning, shooters found the sun shining brightly. Then dark thunder clouds crept in over the range and by 10:45 a.m. most of the riflemen were cowering under ponchos trying to fire decent scores in a torrential downpour. Here Edmondson managed again to outdistance his adversary. He finished the match with 197-2X—a blow from which Troyer did not recover. But there was still one event left in the individual championship—the Air Force Cup Match at 600 yds.



The National High Power Junior Champion, G. David Tubb of Canadian, Tex., scored 1553-42X for his title.



A shooter's paraphernalia on the high power range: a well-tuned match rifle, a shooting stool packed with accessories and a spotting scope.

Armed with a bolt gun, which riflemen consider to be superior at long ranges, Troyer had a distinct advantage. Edmondson, however, made the best showing of his shooting career under this tremendous pressure. He fired his first perfect score at that distance, defeating Troyer by three X's.

"Believe me, I had to do a lot of talking to myself to keep the pressure down," the new Champion confessed after his win was confirmed.

CWO Don R. Bartlett of the U.S. Marine Markmanship Training Unit captured the Nevada Trophy aggregate, the second 800 portion of the individual championships. He scored 794-29X, two points higher than Edmondson. Bartlett won the Navy Cup Match with 197-8X, then put up a perfect score with seven X's in the Coast Guard Trophy Match. Although he dropped down to fifth place in the Service Master category when he fired 198-8X in the Marine Corps Cup Match, he came back strongly with 199-6X in the Air Force Cup Match.

CWO Ray Green, also of the Marine Markmanship Training Unit, had his moment of glory when he fired 43 consecutive center hits at 1000 yds. to win the Wimbledon match and break a two-year record held by Navy PO1 Thomas Treinen of Moffett Field, Calif. Previously, the record had stood since 1939.

Shooting on the high power ranges usually began at 7:30 a.m., but a morning fog caused a delay in the Wimbledon competition. By 8:00 a.m. the targets still appeared as vague shadows through the haze. Within the next hour, the sun burned off some of the fog and the first relay was called to the line. By the time Green took his place to shoot, it was almost noon.

Looking through his Redfield 20X scope, he found it difficult still to see the V ring on his target downrange. Using about two minutes of right windage to compensate for the slight breeze blowing in from Lake Erie, Green fired 20 shots into the center of his target. Then he continued until he had 43V's. It was all over in 25 minutes.

"Hey! Green shot 43V's!" the rumor began to travel the length of the range.

"Ah, that's impossible!" someone replied.

Then a crowd began to gather around the Marine shooter, but a severe thun-

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der storm about 10 minutes later cut the congratulations short.

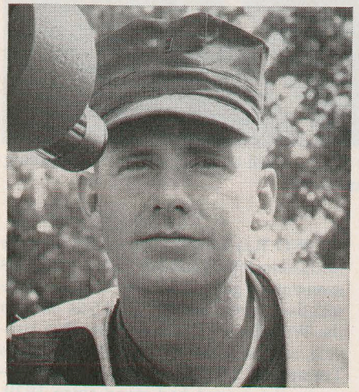
Green fired 190-gr. Sierra Matchking bullets in a Remington 40X with an action sleeved in aluminum. His barrel, chambered for the .300 Winchester Magnum cartridge, was made by Hart. Green declined to comment on the cartridge load.

That afternoon, Army Reserve Lt. Col. Sam Burkhalter, 54, of Lake Forest, Ill., won the Leech Cup Match, also fired at 1000 yds., but with metallic sights. Burkhalter fired a perfect 100 score with 17 center hits, edging three other competitors with the same score in a tie break. S/Sgt. Arpail J. Gapol, the Army High Power Rifle Champion, finished second and Bartlett finished third.

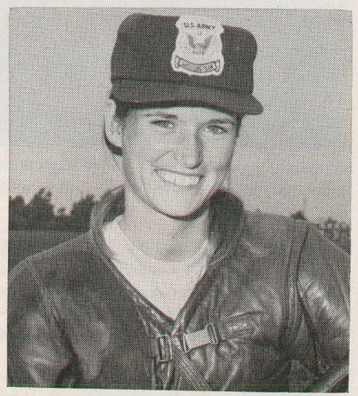
Another Army Reservist, Capt. David Cramer, a high school biology teacher from Aliquippa, Pa., eclipsed another record when he placed first in the National Trophy Individual Rifle Match. He earned his 491-15X score with government match ammo issued on the line and an M14 accurized by Ray Parkinson of Ft. Meade, Md.

"My 300-yd. score of 99-2X was the turning point," he said later. "I was also strong at 600 yds. with 198-10X. In fact that's about the best I've ever done at that distance. When you're having a good day, everything seems to go right."

Excitement at the championships reached a peak during the six-man team matches fired at 200, 300 and 600 yds. In slow-fire stages two members from each team fired simultaneously; in the rapid-fire events only one team member fired in each relay. Team captains and coaches sat directly behind the shooters to adjust their shots and advise them of wind conditions.



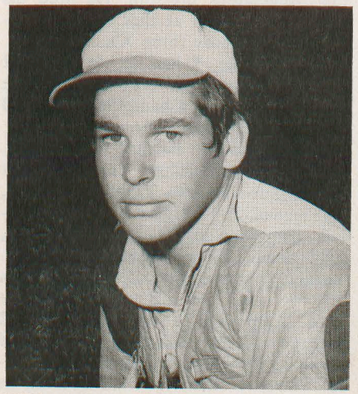
CWO Ray H. Green, USMC, Quantico, Va., set a new national record for the Wimbledon with 100-43X.



Sp5 Joanne R. Stawski, USA, Ft. Benning, Ga., captured the woman's high power title with 1499-30X fired with an M14.



Army Reserve Col. Sam Burkhalter of Lake Forest, Ill., edged two other riflemen after tying for first in the Leech Cup Match.



William E. Meek, a 19-year-old from Upland, Calif., took the Collegiate High Power Rifle title with his 1567-64X.

When S/Sgt. Danny Sanchez, the Marine Corps High Power Rifle Champion, came forward to shoot the 200-yd. rapid-fire portion of the Enlisted Men's Trophy Match, he chatted for a short while with his coach, 1st./Sgt. Paul Yeager, then made an adjustment to his rear sight. Just then the range officer boomed out a command on the loudspeaker.

Sanchez, like the other competitors on the line, stood with his legs crossed. When the targets came up downrange, he dropped smoothly into a sitting position with his legs still crossed, and fired two shots.

Yeager, who had been peering through his spotting scope, leaned over to speak with Sanchez as he quickly changed magazines in his M14. Then Sanchez began shooting again. Yeager clutched a stop watch as Sanchez fired rapidly eight more times.

When the targets disappeared in unision behind the backstop downrange, everyone started talking excitedly at the same time.

"He's got a knot!" shouted team captain CWO Coburn Sergent. "He was shooting below the X ring. He's got a hundred. A group like that will make you a nervous wreck."

Sanchez, smiling, shouldered his rifle and exclaimed: "On that last shot, I'm saying please break high, please break high!"

"It was a fine group!" Sergent told him. "It was just printing a bit too low. A little higher and you'd have seven X's instead of three."

Sanchez, who went on to fire the highest individual score in the match (298-11X), led his USMC "White" team to victory with a record-setting score of 1761-66X.

That afternoon, when the teams moved back to the 600-yd. line for firing the Rumbold Trophy Team Match, civilian bolt-gun shooters outdistanced the military riflemen. First place went to the California "Gold" Team, which amassed 1174-50X. This score gave the team a one-point advantage on the Texas State Rifle Association crew. Third went to the Michigan Rifle and Pistol Association at 1167-40X.

During the National Trophy Rifle Team Match the following day, in which all competitors were armed with the service rifle, the military shooters gained supremacy. U.S. Army "Blue" from Ft. Benning, Ga., took first place with 2900-65X, USMC "Blue" took second with 2888-69X, and USAF "Evans" took third with 2882-69X.

"My standing was terrible," said M/Sgt. James L. McQuien of the U.S. Army "Blue". "I had a 95. I guess I was off zero. They just weren't going where they were supposed to be."

But at least some of McQuien's shots found their mark. The sergeant ended up with 491-12X—the highest individual score in the match.

Nineteen-year-old William E. Meek, a somber, determined rifleman from Upland, Calif., turned out an impressive performance during the individual championships when he slipped by Edmondson and Troyer to take first place in the Coast Artillery Trophy Match. Buckled up comfortably in a pair of Big Mack overalls, Meek scored 199-9X, beating Troyer by two X's and Edmondson by three points. He remained in contention for the national title until he dropped a few points in the Coast Guard Trophy Match. After this stinging disappointment, he remained on the range long after the other competitors had gone, mulling over his performance. Meek, in the end, took the Collegiate Championship and placed second in the NRA Match Rifle category.

Behind Meek came Marine CWO Robert L. Goller of Quantico, Va., the 1971 National Service Rifle Champion, with 1567-53X. He was followed by SFC William R. Lee of the USAMTU at Ft. Benning with 1564-52X.

In other events, Marine S/Sgt. Kenneth A. Edge of Quantico, Va., took first place in the Scott Trophy Match with a perfect 200 score and 16X's. AO1 Rufus A. Moore of NAS, Patuxent River, Md., turned out 199-6X to win the Army Cup Match. M/Sgt. Eric R. England, also of Quantico, posted 200-12X to capture top honors in the Coast Guard Trophy Match. Another possible was made by William H. Tabor of Littleton, Colo., who won the Marine Corps Cup Match with 10X's. And finally, Tom B. Gatewood, Sr., of Hobbs, N. Mex., won the Air Force Cup Match with another perfect score and 12X's.

G. David Tubb, 18, of Canadian, Tex., was the Junior Champion with the NRA Match Rifle. Shooting respectable scores consistently throughout the individual championships, Tubb reached a peak in the Coast Guard Trophy Match when he fired a possible with 9X's for third place. He tied for second with Tabor, then fell into third place when the tie was broken.

Mrs. Polly Tubb, David's mother, lost her two-year reign as National Woman's High Power Champion this years after Mrs. Betty J. Swarthout of Westland, Mich., edged her with a 1496-24X. Swarthout, armed with a bolt gun, was then defeated by SP/5 Joanne R. Stawski of Ft. Benning, who shot 1499-30X with an M14. ■



SFC William Harden adjusts an M14 rifle in the Army armorers' van at the Nationals.

First Aid For Sick Rifles

ILLNESS seldom strikes the robust meat and potato eaters firing the high power competition at the National Matches. But if they should feel out of sorts occasionally, there is an Army aid man nearby to serve APC's and salt tablets.

In contrast, the highly tuned rifles fired by the competitors don't always enjoy such good health. Unexpected problems can have a devastating effect on a shooter's performance.

Fortunately, help is also available for sick rifles. Military armorers at six portable maintenance shops stand ready to administer Hoppe's No. 9 to sticky gas pistons or perform minor surgery on more serious conditions. Although these gun medics are primarily responsible for building and maintaining the service rifles used by their respective teams, they also assist civilian competitors whose rifles are blighted. It's good sportsmanship, they say.

SFC Martin Edmondson was one of the first this year to have a rifle problem. When his groups began to spread during a practice session, he carried the rifle to Army gunsmith William Harden. SFC Harden, who himself had accurized the rifle at Ft. Benning, discovered a loose operating rod guide. After Harden repaired the part, Edmondson went on to win the National High Power Rifle Championship with a record score of 1574-52X. It was the first time a service rifle had been used to win the title since 1966.

"Thanks to Harden, I had an excellent rifle at the matches," Edmondson said later.

Military armorers receive little public recognition. No one awards a trophy to the man who builds the winning rifle, yet an incompetent or otherwise unsatisfactory armorer can ruin a rifle team.

"Just any armorer could not do this job," says CWO Don Bartlett, captain of the Marine Corps rifle team from Quantico, Virginia. To be effective, Bartlett believes an armorer should spend at least a year with a team so that he can become thoroughly familiar with each member's thinking patterns and reactions to match pressures.

M/Sgt. Franz Bjorklund, the Air Force gunsmith, says an armorer has to spend several seasons on a firing line before he can diagnose the special problems that sometimes develop in match-conditioned service rifles. Top Army shooters have no confidence in an armorer until he has about five years experience, according to S/Sgt. Shelva Smith of the USAMTU gunsmithing unit.

Armorers must become skilled psychologists. "You never make the mistake of telling a shooter that he is responsible for poor scores," says Charlie Frazier, who heads the Navy's Match Conditioning Unit at San Diego, Calif. Frazier recalled one shooter who scored 76 out of a possible 100 during a portion of a high power match. The shooter complained to Frazier that his rifle was defective. Although Frazier found nothing seriously wrong with the rifle, he indicated on a repair ticket that he had corrected about five common problems. The next day the competitor fired 99.

M/Sgt. Bjorklund had a similar experience. A civilian competitor once complained to him that his rifle was defective after firing 65 out of 100 in a 200-yd. rapid-fire match. When Bjorklund replaced a pin—which had nothing to do with the rifle's accuracy—the shooter's score jumped to 99 in the next match.

"If an armorer told a shooter that the real problem was between his ears, the man would become discouraged," Bjorklund concluded.

"A good team armorer has to know how to work with the competitors," said Gy/Sgt. Ray Sweet, who has been accurizing M14 rifles for the Marine Corps since 1964. "If you're working on a sergeant's rifle and the colonel walks up with his rifle, you don't put the sergeant's rifle aside," he continued. "This would make the sergeant lose confidence." The armorers have to work to maintain that confidence.—ELLIOTT L. MINOR

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U.S. Strikes Gold In Munich

U.S. rifle shooters at the Olympic Games in Munich shot their way to two gold and two silver medals, and smashed three world records in the process.

John H. Writer, an Army Reserve lieutenant from Clarendon Hills, Ill., captured the first U.S. gold medal in the 1972 shooting events when he totaled 1166 in three-position smallbore rifle at 50 meters, breaking the old world record of 1165. His 381 in the standing position was also a new world record, bettering the old mark by two points.

In the same event, Capt. Lanny R. Bassham of the Army Markmanship Training Unit at Ft. Benning fired 1157 for the silver medal.

The second gold medal was won by Army Maj. Lones W. Wigger, Jr., closely pushed by Russia's Boris Melnik, in the 300-meter free-rifle event. Both had 1155 points, but Wigger was determined the winner because of a higher score over the last 10 shots in the kneeling position. His standing-


Writer


Wigger

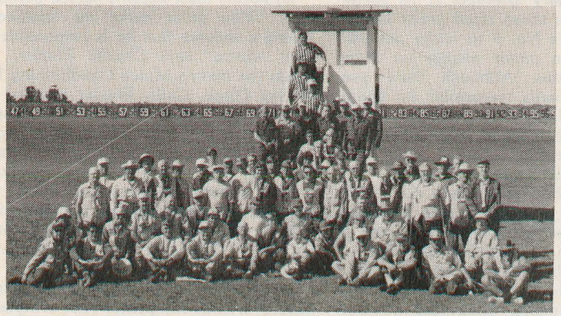

Auer


Bassham

position score of 379 set the United States' third new world record in shooting, passing the old record by three points.

The fourth medal arrived early in the Games, when Californian Vic Auer shot 598 in the English match and was thought to have the gold. Judges, however, rescored the targets of North Korean Ho Jun Li and raised his 595 to a 599, giving him the match in one of many controversial decisions. Auer therefore was awarded the silver medal.

A further report on shooting at the XX Olympiad will be presented in the November issue of *The American Rifleman*. ■





Perry Volunteers Honored

SIXTY-SIX volunteer workers received certificates of appreciation from the NRA this year at Camp Perry for their work at five National Matches.

"The NRA volunteers make an outstanding contribution to the NRA National Rifle and Pistol Championships," says Louis F. Lucas, NRA Executive Director. "They're the ones who make the matches run."

Since military support for the National Championships was withdrawn in 1968, the NRA volunteers have taken over many essential jobs. They serve as supervisory personnel on the ranges and in the target pits. They sit behind desks, processing the thousands of forms that must be handled. And they serve as instructors in the police and Junior schools.

What brings them back year after year? Alan B. Salkeld, 71, of Pittsburgh, Pa., says that there's a certain magnetism about Camp Perry which keeps pulling him back. "This is where I learned to shoot," he explains. "When the NRA wants me, I'll go anywhere."

One high-ranking retired military officer says he started coming to Camp Perry as a volunteer three years ago when he saw that volunteers were vital to the success of the Matches. "The associations were so pleasant here, I got hooked," he adds. "Then I wanted to come back."

Charles A. Sanders, 67, Indianapolis, Ind., comes partly to reminisce about days and wars long past. An NRA Director, retired Army colonel and holder of seven Purple Hearts, Sanders has attended the National Matches since 1924, first as a shooter and now as a volunteer. He heads the Camp Perry protest committee, serves as an instructor in the Junior school, and assists the NRA volunteer coordinator, Col. John Lee.

Retired ATF Investigator Richard O'Collaghan, 56, from Cleveland, enjoys the camaraderie he finds at the Nationals. The friendship and helpfulness of the shooters, he feels, are unmatched in any other sport. He now hopes to continue as a hobby what was formerly a part of his job—pistol shooting.

Although the average age of the NRA volunteers is about 50, there is now a growing legion of younger ones. Their hair is longer and they have never danced to a Glenn Miller tune, but at Camp Perry that doesn't seem to matter.—E.L.M.

CAMP PERRY SCOREBOARD

SMALLBORE

NATIONAL SMALLBORE RIFLE PRONE CHAMPIONSHIP
Aggregate of Metallic-Sight Prone and Any-Sight Prone Championships.

National Prone Champion
(Critchfield Trophy, a trophy miniature, an Anschutz Model 250-20 precision air rifle, and a National Champion Brassard)
Maj. Presley W. Kendall, USA 6394-536X

Second Place (45 Award Points)
Maj. Bruce A. Meredith, USAR 6394-534X

Third Place (40 Award Points)
Capt. David Ross III, USAR 6393-540X

National Woman Champion (Remington Trophy, a trophy miniature and 35 Award Points)
Capt. Margaret T. Murdock, USAR 6386-485X

National Junior Champion (Whittington Trophy, a trophy miniature and 35 Award Points)
Mary Lou Adler 6384-479X

National Senior Champion (35 Award Points)
Ransford D. Triggs 6384-487X

National Civilian Champion (William P. Schweitzer, Award and 35 Award Points)
Thomas J. Whitaker 6392-523X

National Service Champion
Maj. Presley W. Kendall, USA 6394-536X

50-Yd. Metallic Sight 40 shots, 50 yds. (50 Award Points)
Maj. Presley W. Kendall, USA 400-40X

50-Meter Metallic-Sight
40 shots, 50 meters (50 Award Points)
David P. Avril 400-37X

Dewar Course Metallic-Sight
20 shots, 50 yds.; 20 shots, 100 yds. (50 Award Points)
Maj. Bruce A. Meredith, USAR 400-37X

100-Yd. Metallic-Sight 40 shots, 100 yds. (50 Award Points)
Maj. Bruce A. Meredith, USAR 400-32X

50-Meter Metallic-Sight, 40 shots, 100 yds. (50 Award Points)
Ray P. Carter 400-39X

50-Meter Metallic-Sight, 40 shots, 50 meters (50 Award Points)
Thomas J. Whitaker 400-31X

Dewar Course Metallic Sight
20 shots, 50 yds.; 20 shots, 100 yds. (50 Award Points)
Maj. Presley W. Kendall, USA 400-34X

100-Yd. Metallic Sight
40 shots, 50 yds. (50 Award Pts.)
Dennis E. Ghiselli 400-26X

Metallic-Sight Prone Championship
Aggregate of above eight matches.

Metallic-Sight Prone Champion
(Hoppe Memorial Trophy, trophy miniature, and 55 Award Points)
PFC Steven R. Kern, USAR 3197-247X

Second Place (35 Award Points)
Ronald E. Coleman 3196-235X

Third Place (25 Award Points)
Maj. Presley W. Kendall, USA 3195-259X

National Woman Champion (Peters Cartridge Co. Trophy, a trophy plaque, and 35 Award Points)
Capt. Margaret T. Murdock, USAR 3192-229X

50-Yd. Any-Sight
40 shots, 50 yds. (50 Award Points)
Capt. David Ross III, USAR 400-40X (shootoff 200-18X)

50-Meter Any-Sight, 40 shots, 50 meters (50 Award Points)
David A. Koenig 400-39X

Dewar Course Any-Sight
20 shots, 50 yds.; 20 shots, 100 yds. (50 Award Points)
Robert E. Ralston 400-38X (shootoff 200-15X)

100-Yd. Any-Sight
40 shots, 100 yds. (50 Award Pts.)
Capt. Margaret T. Murdock, USAR 400-37X

50-Yd. Any-Sight
40 shots, 50 yds. (50 Award Points)
Douglas A. Knoop 400-38X

50-Meter Any-Sight
40 shots, 50 meters (50 Award Pts.)
Capt. David Ross III, USAR 400-37X

Dewar Course Any-Sight
20 shots, 50 yds.; 20 shots, 100 yds. (50 Award Points)
Dean De La Mater 400-37X

100-Yd. Any-Sight
40 shots, 100 yds. (50 Award Pts.)
Allan F. Knowles 400-39X

Any-Sight Prone Championship
Aggregate of above eight matches

Any-Sight Prone Champion
(U.S. Cartridge Co. Trophy, trophy miniature, and 55 Award Points)
Capt. David Ross III, USAR 3199-289X

Second Place (35 Award Points)
Maj. Presley W. Kendall, USA 3199-277X

Third Place (25 Award Points)
Maj. Bruce A. Meredith, USAR 3199-276X

National Woman Champion
(Western Cartridge Co. Trophy, a trophy plaque and 35 Award Pts.)
Mary Lou Adler 3196-250X

Metallic-Sight Team, 4-man team; each shooter, 20 shots, 50 yds., and 20 shots, 100 yds. (American Dewar Trophy, 7 trophy plaques and 5 Award Points to each team member)
U.S. Army Reserve "Gold" 1598-103X
Capt. Dennis A. Dingman 400-22X
Capt. David J. Cramer 398-26X
Capt. Thurston E. Banks 400-28X
Pfc. Steven R. Kern 400-27X

Any-Sight Team, 4-man team; each shooter, 20 shots, 50 yds.; and 20 shots, 100 yds. (Officers Reserve Trophy, seven trophy plaques, and five Award Points to each team member)
Stinknik Gentlemen 1600-124X
Ronald Silber, Captain
George Stidworthy, Coach
Larry A. Wilkins 400-30X
Douglas A. Knoop 400-33X
Dean De La Mater 400-28X
J. Kenneth Johnson 400-33X

Dewar Trophy Int'l Team (Postal)
20-man team; each shooter, 20 shots, 50 yds., and 20 shots, 100 yds. on NSRA "British National" targets.
Thomas J. Whitaker 399-27X
1/Lt. Paul R. Collins, NGUS 397-15X
Maj. Presley W. Kendall, USA 395-22X
Allan F. Knowles 394-23X
Capt. Margaret T. Murdock, USAR 394-19X
Thomas H. Guerin 393-24X
Gy/Sgt. Jerry F. Boswell, USMC 393-23X
Edward F. Etzel 393-18X
Joseph W. Barnes, Jr. 393-15X
Maj. J.A. Hinkle, USMCR 392-21X
Edgar P. O'Neal 392-19X
Ronald E. Coleman 391-16X
Sgt. John E. Comley, USMCR 390-17X
Robert E. Ralston 389-15X
PFC Steven R. Kern, USAR 387-16X
Capt. Dennis A. Dingman, USAR 387-10X
Roy E. Oster 385-15X
Capt. John S. Watkins, USAR 385-12X
Frank R. Boyd 385-10X
T/Sgt. Kurt J. Degerlund, USAF 382-6X
Team total 7816-343X
Alternates: Kevin B. Richards and J. Eric Sundstrom; Team Captain: Capt. David Ross III, USAR; Team Adjutant: Maj. Bruce A. Meredith, USAR; Official Witness: Beverly McGee, St. Croix, Virgin Islands

Randle Trophy Women's Int'l Team Match (Postal) 10-woman team; each shooter, 20 shots, 50 yds., and 20 shots, 100 yds.
Capt. Margaret T. Murdock, USAR 400-30X
Mary Lou Adler 399-18X
Linda G. Ritchie 398-26X
Barbara Hampson 397-25X
Janet Spohn 395-25X
Susan R. Lausten 397-23X
Deborah Hicks 399-33X
Marianne Vitito 399-23X
Schuyler Helbing 399-19X
Ellen G. Ross 399-23X
Team Total 3982-245X
Alternates: Janice S. McCarroll and Patricia E. Sawyer; Team Captain: Tricia Foster; Team Coach: Inez Sargent; Official Witness: Beverly McGee, St. Croix, Virgin Islands

NATIONAL SMALLBORE RIFLE POSITION CHAMPIONSHIP
Aggregate of four four-position matches

National Position Champion
(Frank Parsons Memorial Trophy, a trophy miniature, an Anschutz Model 250-20 precision air rifle, and a National Champion Brassard)
CWO David I. Boyd II, USMC 3173-193X

Second Place (45 Award Points)
Maj. Lones W. Wigger Jr., USA 3166-197X

Third Place (40 Award Points)
Maj. John R. Foster, USA 3165-180X

National Woman Champion (35 Award Points)
Mary M. Keys 3165-178X

National Civilian Champion (35 Award Points)
Edward F. Etzel 3164-178X

National Service Champion
CWO David I. Boyd II, USMC 3173-193X

National Senior Champion (35 Award Points)
Robert S. Kline 3079-129X

National Junior Champion (Cobb Trophy and a trophy miniature)
Mary M. Keys 3165-178X

4-Position Metallic-Sight, 20 shots, 50 yds., in each position: prone, standing, sitting, kneeling. (50 Award Points)
Mary M. Keys 795-45X

4-Position Metallic-Sight, 20 shots, 50 yds., in each position: prone, standing, sitting, kneeling. (50 Award Points)
Maj. John R. Foster, USA 794-48X

4-Position Any-Sight, 20 shots, 50 yds., in each position: prone, standing, sitting, kneeling. (50 Award Points)
CWO David I. Boyd II, USMC 799-58X

4-Position Any-Sight, 20 shots, 50 yds., in each position: prone, standing, sitting, kneeling. (50 Award Points)
CWO David I. Boyd II, USMC 795-49X

4-Position Metallic-Sight Team
Four-man team; each shooter, 10 shots at 50 yds. in each position: prone, standing, sitting, kneeling. (Hercules Trophy, seven trophy plaques, five Award Points to each team member)
U.S. Marine Corps 1569-78X
MGy/Sgt. Frank Almeida, Coach
CWO David I. Boyd II 395-22X
Sgt. Larry L. Graham 390-17X
CWO Gregory Connor 391-19X
Gy/Sgt. Jerry F. Boswell 393-20X

4-Position Any-Sight Team
Four-man team; each shooter, 10 shots at 50 yds. in each position: prone, standing, sitting, kneeling. (Caswell Trophy, seven trophy plaques, five Award Points to each team member)
U.S. Army Reserve "Gold" 1573-91X
Capt. Margaret T. Murdock 391-21X
Capt. Thurston E. Banks 392-22X
Capt. David J. Cramer 394-22X
Capt. John S. Watkins 396-26X

PISTOL

NATIONAL PISTOL CHAMPIONSHIP
Aggregate of cal. .22, center-fire and cal. .45 championships

National Champion
(Harrison Trophy, a trophy miniature, a Smith & Wesson Model 52, a National Champion Brassard, and National Champion Medallion.)
SFC Bonnie D. Harmon, USA 2650-121X

Second Place (45 Award Points)
PO1 Donald L. Hamilton, USNR 2650-117X

Third Place (40 Award Points)
CWO Francis A. Higginson, USMC 2646-131X

Regular Service Champion
SFC Bonnie D. Harmon, USA 2650-121X

National Civilian Champion
(Manchester Trophy, a trophy miniature, and 35 Award Points)
Ralph O. Thompson 2637-130X

National Police Champion
(Thomas McGinley Trophy, a trophy plaque, and 35 Award Points)
Allen W. Arrington 2617-96X

National Woman Champion (35 Award Points)
S/Sgt. Barbara J. Hile, USA 2580-77X

National Senior Champion
(Senior Trophy, a trophy miniature, and 35 Award Points)
Capt. Anthony L. Schmieg, USNR 2551-72X

U.S. Army Reserve Champion
(Army Reserve Trophy, a trophy plaque, and 35 Award Points)
CSgt/Maj. Charles E. Wheeler, USAR 2632-118X

National Guard Champion (35 Award Points)
Sp6 Milo M. Vlasin, NGUS 2623-96X

PRESIDENT'S MATCH
Aggregate of cal. .22, center-fire, and .45 National Match Courses

Winner
(Gold-filled medal and 55 Award Points)
Gy/Sgt. Billy R. Taggart, USMC 888-44X

Silver Medal Winners
PO1 Donald L. Hamilton, USNR 888-43X
Cpl. James B. Comley, USMCR 883-41X
CWO Francis A. Higginson, USMC 883-37X
S/Sgt. George R. Moss, USA 882-31X
Ralph O. Thompson 881-45X
Raymond J. Tourigny, Jr. 881-43X
SFC John A. Smith, USA 880-37X
SFC Bonnie D. Harmon, USA 879-42X
S/Sgt. John R. Sicinski, USA 879-37X

Mayleigh Cup International Team Match (Postal)
SFC Bonnie D. Harmon, USA 290-8X
T/Sgt. Arnold Vitarbo, USAF 285-8X
1/Lt. John J. Cusick, USAF 270-4X
Maj. Gale H. Boehnke, USAR 285-6X
C/Sgt./Maj. Charles E. Wheeler, USAR 288-6X
Gy/Sgt. Max R. Falagan, USMC 281-7X
S/Sgt. Raul S. Perez, USA 283-7X
Gy/Sgt. Billy R. Taggart, USMC 284-4X
Raymond J. Tourigny, Jr. 289-8X
Eugene G. Ross 272-6X
Team total 2827-64X
Alternates: Gil Hebard and H. B. Bowlin; Official Witness: Carl Rajamets, Preston, Ontario, Canada; Team Captain: Ralph O. Thompson; Team Adjutant: Gy/Sgt. Jimmie R. Dorsey, USMCR

WARM-UP AGGREGATE
Aggregate of the cal. .22, center-fire, and .45 practice matches.
SFC Bonnie D. Harmon, USA 878-44X

CAL. .22 SLOW FIRE
20 shots, 50 yds. (50 Award Points)
SFC Bonnie D. Harmon, USA 196-10X

CAL. .22 NATIONAL MATCH COURSE
10 shots, 50 yds.; 10 shots, 25 yds.; 10 shots, 25 yds. (50 Award Points)
Raymond J. Tourigny, Jr. 298-22X

CAL. .22 TIMED FIRE
20 shots, 25 yds. (50 Award Points)
Gy/ Sgt. Charles Kissinger, USMCR 200-15X

CAL. .22 RAPID FIRE
20 shots, 25 yds. (50 Award Points)
SFC Bonnie D. Harmon, USA 200-15X

CAL. .22 CHAMPIONSHIP
Aggregate of the above cal. .22 matches

Cal. .22 Champion
(Walker Trophy, a trophy miniature, and 55 Award Points)
SFC Bonnie D. Harmon, USA 890-51X

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CENTER-FIRE SLOW FIRE
20 shots, 25 yds. (50 Award Points)
T/Sgt. Arnold Vitarbo, USAF 197-10X

CENTER-FIRE NATIONAL MATCH COURSE
10 shots, 50 yds.; 10 shots, 25 yds.; 10 shots, 25 yds.
(50 Award Points)
CWO Francis A. Higginson, USMC 298-18X

CENTER-FIRE TIMED FIRE
20 shots, 25 yds. (50 Award Points)
Gy/Sgt. Billy R. Taggart, USMC 200-11X

CENTER-FIRE RAPID FIRE
20 shots, 25 yds. (50 Award Points)
CWO Bruce A. Wilcox, NGUS 200-13X

CENTER-FIRE CHAMPIONSHIP
Aggregate of above center-fire matches
Center-Fire Champion
(Clarke Trophy, a trophy miniature, and 55 Award Points)
PO1 Donald L. Hamilton, USNR 884-36X

CAL. .45 SLOW FIRE
20 shots, 50 yds. (50 Award Points)
T/Sgt. Hubert H. Legg, USAF 195-10X

CAL. .45 NATIONAL MATCH COURSE
10 shots, 50 yds.; 10 shots, 25 yds.; 10 shots, 25 yds.
(50 Award Points)
Gy/Sgt. Billy R. Taggart, USMC 298-13X

CAL. .45 TIMED FIRE
20 shots, 25 yds. (50 Award Points)
SFC Harland V. Rennolds, USA 200-14X

CAL. .45 RAPID FIRE
20 shots, 25 yds. (50 Award Points)
CWO Francis A. Higginson, USMC 199-13X

CAL. .45 CHAMPIONSHIP
Aggregate of above cal. .45 matches
Cal. .45 Champion
(Orton Trophy, a trophy miniature, and 55 Award Points)
Sp6 Milo M. Vlasin, NGUS 886-29X

CAL. .22 TEAM CHAMPIONSHIP
Four-man team, National Match Course
(High Standard Mfg. Co. Trophy, seven trophy plaques, and five Award Points to each member)
U.S. Army Reserve "Blue" 1170-55X
Jack R. Vincent, Captain
Maj. Kenneth D. Hall 290-13X
C/Sgt./Maj. Charles E. Wheeler 298-16X
CWO Pasquale E. Melaragno 287-12X
Maj. Benjamin L. Johnson 295-14X

CENTER-FIRE TEAM CHAMPIONSHIP
Four-man team, National Match Course
(Smith & Wesson Trophy, seven trophy plaques, and five Award Points to each member)
U.S. Navy "Blue" 1163-47X
H. N. O'Connor, Captain
Joseph J. Witherell 292-15X
Gasper DeFino 292-12X
H. B. Bowlin 286-8X
Donald L. Hamilton 293-12X

CAL. .45 TEAM CHAMPIONSHIP
Four-man team, National Match Course
(Colt Trophy, seven trophy plaques, and five Award Points to each member)
U.S. Army "Blue" 1171-60X
Capt. James H. Fraser, Jr., Captain
M/Sgt. Laurence K. Mosely, Coach
SFC Harland V. Rennolds 291-16X
M/Sgt. Robert D. Whitacre 293-12X
M/Sgt. Emil W. Heugatter 293-13X
SFC Bonnie D. Harmon 294-19X

PISTOL TEAM AGGREGATE
Aggregate of each team's scores in .22, Center-fire, and .45 Team Championships
(General Twining Trophy, eight trophy plaques, and five Award Points to each member)
U.S. Army "Blue" 3496-150X

U.S. ARMY RESERVE PISTOL TEAM CHAMPIONSHIP
(U.S. Army Reserve Pistol Team Trophy and eight trophy plaques)
U.S. Army Reserve "Blue" 3441-134X

NATIONAL TROPHY INDIVIDUAL PISTOL
U.S. Cal. .45 M1911 or M1911A1; 10 shots, 50 yds.; 10 shots, 25 yds.; 10 shots, 25 yds.
Match Winner
(Custer Trophy Plaque)
SFC Bonnie D. Harmon, USA 294-13X
High Reserve
(Army Reserve Memorial Trophy Plaque)
PO1 Donald L. Hamilton, USNR 293-14X
High Police
(Ancient Archer Trophy Plaque)
Dorr N. Wiltse, Jr. 288-9X
High Civilian
(Silver Bowl Trophy Plaque)
Floyd O. Aikman 290-10X
High National Guard
(Gold Medal)
T/Sgt. Walter E. Cooper, ANG 289-9X

NATIONAL TROPHY PISTOL TEAM
Four-man teams; U.S. Cal. .45 M1911 or M1911A1; each shooter, 10 shots, 50 yds.; 10 shots, 25 yds.; 10 shots, 25 yds.
Match Winner
(Gold Cup Trophy Plaque and Gold Medals)
U.S. Army 1143-39X
Capt. James H. Fraser, Jr., Captain
M/Sgt. Laurence K. Mosely, Coach
M/Sgt. Emil W. Heugatter 289-13X
SFC Bonnie D. Harmon 288-11X
Sgt. Grady E. Cowan 282-5X
S/Sgt. Waymond L. Alvis 284-10X
Second Place
(Silver Medals)
U.S. Air Force "Blue" 1141-40X
Third Place
(Bronze Medals)
U.S. Marine Corps "Eastern" 1141-29X
High Reserve
(U.S. Coast Guard Memorial Trophy Plaque)
U.S. Army Reserve "Green" 1135-27X
High Civilian
(Oglethorpe Trophy Plaque)
Virginia State Association 1099-23X
High Police
(American Indian Trophy Plaque)
Michigan State Police 1106-21X
High Individual
(Military Police Corps Trophy Plaque)
T/Sgt. Hubert H. Legg, USAF 291-13X
High Air Force Individual
(General Carl Spaatz Trophy Plaque)
T/Sgt. Hubert H. Legg, USAF 291-13X
High Army Individual
(General Mellon Trophy Plaque)
M/Sgt. Calvin G. Burkhart, USA 290-9X

HIGH POWER

NATIONAL HIGH POWER RIFLE CHAMPIONSHIP
An aggregate of scores fired in the following matches: Members Trophy, Scott Trophy, Coast Artillery Trophy, Army Cup, Navy Cup, Coast Guard Trophy, Marine Corps Cup, and Air Force Cup.

NATIONAL HIGH POWER RIFLE CHAMPION
(Dupont Trophy miniature, a Winchester Model 70 cal. .22-250 rifle, a Champion Brassard and National Champion Medallion.)
SFC Martin D. Edmondson, USA 1574-52X

MATCH RIFLE CHAMPION
(Wright Memorial Trophy Miniature, a Remington Model 1100 Shotgun, National Champion Brassard, and National Champion Medallion.)
Ronald G. Troyer 1573-47X
Second Place (45 Award Points)
William E. Meek 1567-64X
Third Place (40 Award Points)
William H. Tabor 1567-55X
Civilian Champion
(Clarke Trophy Plaque)
Ronald G. Troyer 1573-47X
Service Champion
(Special Award and 35 Award Points)
CDR Charles F. Schroeder, USN 1537-45X
Senior Champion
(Crowell Trophy Plaque and 35 Award Points)
Fred L. Nettell 1526-35X
Woman Champion
(35 Award Points)
Betty J. Swarthout 1496-24X
Junior Champion
(North American Trophy Plaque and 35 Award Points)
G. David Tubb 1553-42X
Collegiate Champion
(Trophy Plate and 35 Award Points)
William E. Meek 1567-64X

SERVICE RIFLE CHAMPION
Second Place (45 Award Points)
CWO Robert L. Goller, USMC 1567-53X
Third Place (40 Award Points)
SFC William R. Lee, USA 1564-52X
National Guard Champion
(National Guard Association Trophy and 35 Award Points)
Col. Bruce G. Johnston, NGUS 1553-35X
Civilian Champion
(Civilian Club Members' Trophy Plaque and 35 Award Points)
J. R. McCulloch 1542-36X
Army Reserve Champion
(Sutton Trophy Plaque)
Capt. Frank H. Loudermilk, USAR 1535-31X
Reserve Champion
(Hankins Memorial Trophy Plaque)
Capt. Frank H. Loudermilk, USAR 1535-31X
Marine Champion
(General Smith Trophy Miniature)
CWO Robert L. Goller, USMC 1567-53X
Navy Champion
ADS1 Tom Treinen 1543-45X
Regular Service Champion
(United Service Match Trophy Plaque)
SFC Martin D. Edmondson, USA 1574-52X
Collegiate Champion
(VFW Trophy Plaque and 35 Award Points)
Ray P. Carter 1502-27X
Senior Champion
(Townsend Whelen Trophy Plaque and 35 Award Points)
J. R. McCulloch 1542-36X
Woman Champion
(Trophy Plate and 35 Award Points)
Sp5 Joanne R. Stawski, USA 1499-30X
Junior Champion
(Jackson Arms Trophy Plaque and 35 Award Points)
Patrick M. McCann 1516-29X

PRESIDENT'S MATCH
An aggregate of scores fired in the following matches: Members Trophy, Scott Trophy, Coast Artillery Trophy, and Army Cup.
Winner
(Gold Medal and 35 Award Points)
Ronald G. Troyer 785-24X
High Service Rifle (Gold Medal)
SFC William R. Lee, USA 783-24X
High Civilian (Silver Medal)
Louis F. Behling 766-18X
High Service (Silver Medal)
SFC William R. Lee, USA 783-24X

NEVADA TROPHY
An aggregate of scores fired in the following matches: Navy Cup, Coast Guard Trophy, Marine Corps Cup, and Air Force Cup.
Winner
(Nevada Trophy Plaque and 55 Award Points)
CWO Don R. Bartlett, USMC 794-29X
High Civilian Firing A Service Rifle (20 Award Points)
J. R. McCulloch 788-21X
High Service (20 Award Points)
CWO Don R. Bartlett, USMC 794-29X

MEMBERS TROPHY
20 shots, 200 yds., slow-fire, standing
Winner
(Members Trophy Miniature and 50 Award Points)
SFC Martin D. Edmondson, USA 197-7X
High Civilian Firing A Service Rifle (15 Award Points)
Ray P. Carter 196-5X
High Service (15 Award Points)
SFC Martin D. Edmondson, USA 197-7X

SCOTT TROPHY
20 shots, 200 yds., rapid-fire, sitting or kneeling from standing
Winner
(Scott Trophy Miniature and 50 Award Points)
S/Sgt. Kenneth A. Edge, USMC 200-16X
High Civilian Firing A Service Rifle (15 Award Points)
Richard A. Kuhn 200-3X
High Service (15 Award Points)
S/Sgt. Kenneth A. Edge, USMC 200-16X

COAST ARTILLERY TROPHY
20 shots, 300 yds., rapid-fire, prone from standing
Winner
(Coast Artillery Trophy Miniature and 50 Award Points)
William E. Meek 199-9X
High Civilian Firing A Service Rifle (15 Award Points)
Louis F. Behling 193-6X
High Service (15 Award Points)
M/Sgt. G. J. Kozuch, USMC 198-6X

ARMY CUP
2 sighting shots and 20 shots for record, 600 yds., slow-fire prone
Winner
(Army Cup Miniature and 50 Award Points)
AO1 Rufus A. Moore, USN 199-6X
High Civilian Firing A Service Rifle (15 Award Points)
Richard A. Kuhn 191-7X
High Service (15 Award Points)
AO1 Rufus A. Moore, USN 199-6X

NAVY CUP
20 shots, 200 yds., slow-fire, standing
Winner
(Navy Cup Miniature and 50 Award Points)
CWO Don R. Bartlett, USMC 197-8X
High Civilian Firing A Service Rifle (15 Award Points)
J. R. McCulloch 193-5X
High Service (15 Award Points)
CWO Don R. Bartlett, USMC 197-8X

COAST GUARD TROPHY
20 shots, 200 yds., rapid-fire, sitting or kneeling from standing
Winner
(Coast Guard Trophy Miniature and 50 Award Points)
M/Sgt. Eric R. England, USMC 200-12X
High Civilian Firing A Service Rifle (15 Award Points)
Allan D. Cors 198-4X
High Service (15 Award Points)
M/Sgt. Eric R. England, USMC 200-12X

MARINE CORPS CUP
20 shots, 300 yds., rapid-fire, prone from standing
Winner
(Marine Corps Cup Miniature and 50 Award Points)
William H. Tabor 200-10X
High Civilian Firing A Service Rifle (15 Award Points)
Patrick M. McCann 197-4X
High Service (15 Award Points)
S/Sgt. Arlie Jones 199-10X

AIR FORCE CUP
Two sighting shots and 20 shots for record, 600 yds., slow-fire, prone
Winner
(Air Force Cup Miniature and 50 Award Points)
Tom B. Gatewood, Sr. 200-12X
High Civilian Firing A Service Rifle (15 Award Points)
J. R. McCulloch 200-4X
High Service (15 Award Points)
SFC Martin D. Edmondson, USA 200-12X

WIMBLEDON CUP
2 sighting shots and 20 shots for record, 1000 yds., slow-fire, prone
Winner
(Wimbledon Cup Miniature and 50 Award Points)
CWO Ray H. Green, USMC 100-43V
High Service Rifle
(Farr Trophy Plaque and 30 Award Points)
M/Sgt. R. E. Martin, USMC 100-14V

LEECH CUP
2 sighting shots and 20 shots for record, 1000 yds., slow-fire, prone
Winner
(Leech Cup Miniature and 50 Award Points)
Lt. Col. Sam C. Burkalter, USAR 100-17V
High Service Rifle
CWO G. N. Crane, USMC 100-16V

ENLISTED MEN'S TROPHY
Six-man team; each shooter, 10 shots, 200 yds., slow-fire, standing; 10 shots, 200 yds., rapid-fire, sitting or kneeling from standing; 10 shots, 300 yds., rapid-fire, prone from standing; Service rifle (Nine Trophy Plaques and 40 Award Points)
USMC "White" 1761-66X
Gy/Sgt. Frank V. Kruk 293-14X
S/Sgt. Danny Sanchez 298-11X
S/Sgt. Kenneth A. Edge 201-14X
CWO Gilmer R. Murdock 296-9X
Gy/Sgt. John T. Byrd 290-7X
Gy/Sgt. Roy G. Hicks 293-11X
Captain: CWO C. L. Sergent
Coach: 1st Sgt. Paul G. Yeager

OUR GREAT OUTDOORS

Facts about Game and Conservation

Protection Given Redhead, Canvasback, Atlantic Brant

Hurt by drought in their Canadian prairie breeding area, redhead and canvasback populations have decreased over the last several years. Consequently, full protection for both species has been awarded by the Bureau of Sport Fisheries & Wildlife. A $200,000 canvasback research program has been launched by the Bureau to explore the possibility that declining habitat quality in certain key areas may be affecting the species' status. Effects of disease, pesticides and other pollutants will also be studied.

Atlantic brant also have been accorded protection due to two consecutive nesting fiascos brought on by exceptionally late cold spring weather in their Arctic breeding grounds.

Doves Cooing Louder In Central States

Mourning doves should be more plentiful this year in the central States. States which permit dove hunting showed a greater increase in dove breeding populations than those few northern States which do not. Missouri alone showed a 30% increase in its dove breeding population this year.

A Bill Of Rights For Wildlife?

"It is said that the bluebird is declining in numbers and is in trouble. That is a sad state of affairs, but it would probably not be so if the bluebird weighed three pounds and held well to a pointing dog." Conservationist Dr. Joe Linduskas's statement explains the absence of both public funds and statutory regulations that would allow most State wildlife agencies to assume responsibility for nongame fish and wildlife species.

Model State legislation providing for the conservation, management, and enhancement of endangered and nongame fish and wildlife has been developed by The Wildlife Society and the International Association of Game, Fish and Conservation Commissioners. Sportsmen's groups can obtain a copy of *A Law for Wildlife,* from the Winchester-Western Conservation Division, East Alton, Ill. 62024.



The Mountain Lion Stages A Comeback

Rather than being "wiped out by sportsmen" as some journalists have suggested, the mountain lion or cougar is staging quite a comeback, according to biologists. Older population estimates of 4,000-6,500 cougars in existence appear far too low and there may be as many as 4,000 in California, Oregon and Washington State alone.

Removing the mountain lion from "predator" or "unprotected" classification, elimination of bounties, and according the big cats game status is credited with reversing their once-declining numbers. Increased cougar populations have been reported in Oklahoma, Arkansas, Missouri, Louisiana and elsewhere.

Nebraska Tests Ringneck "Hens In Pens" Rearing

Grappling with deteriorating wildlife habitat conditions, the Nebraska Department of Game, Fish and Parks is trying to raise more pheasant broods on fewer acres by confining hens in well-managed, half-acre, predator-proof enclosures.

The method, utilizing wild ringneck roosters, was developed for wild turkeys in 1932 by B. K. Leach, a private Missouri game breeder. Game farm pheasant hens were used in the Nebraska test because of their ability to nest under high-density conditions. While initial results showed that more pheasant chicks were produced on a per-acre basis, the number of chicks per successful nest was only half of that normally produced by wild birds. The program will be further analyzed to determine its economic soundness.

Disease Threatens Yellowstone Bison Herds

Brucellosis, a bacterial disease harmful to domestic livestock, now indirectly threatens the remaining small bison herds in Yellowstone National Park. The park's buffalo show no obvious ill effects and, as carriers, are only a very remote threat to any domestic livestock. Nevertheless, some stockmen's groups are urging that the disease be eradicated there. To do so would require the destruction of perhaps 80% of the park's bison, according to park officials. The survivors would have to be penned for several years for tests, making little more than domestic creatures out of the descendants of the United States' once great plains herds.

$418,000 Worth Of Forest For Game

Greater pond construction, food, and cover for wildlife is in the offing on a million and a half acres of public lands in southern Missouri's Clark and Mark Twain National Forests. The U.S. House and Senate approved an appropriation bill granting $418,000 for the Forest Service program. Considered a "first" in national forest management, the proposal stresses a balanced forest environment, rather than extensive acreage of "even aged" timber. Wildlife biologists say that the new plan, a combination of timber management and game management, will benefit a wide variety of forest wildlife.

Legal "First" Saves Minnesota Duck Ponds

A court order halting construction of a drainage ditch near New Ulm, Minn., has been hailed by the Natural Resources Commissioner Robert L. Herbst as the first case on State record in which a district court stopped such action solely on environmental considerations. The proposed ditch would have drained nine duck ponds into the Minnesota River. Herbst said, "The ditch would have destroyed some good waterfowl habitat and caused a good deal of erosion and siltation into the Minnesota River."—NRA HUNTING AND CONSERVATION STAFF

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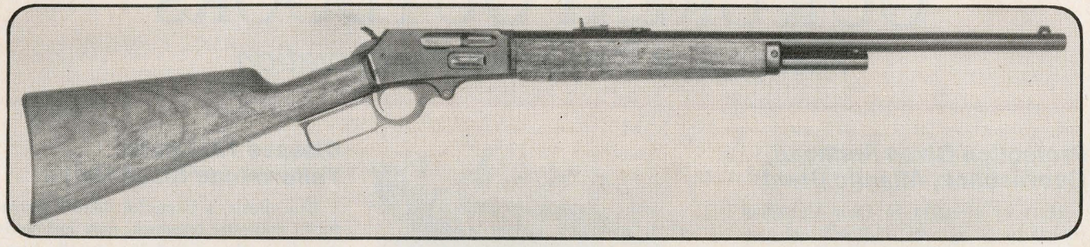


Marlin Model 1895 Rifle

Lever-action .45-70 repeater revived in new version

By LUDWIG OLSON
Associate Technical Editor
and M. E. BUSSARD
Assistant Technical Editor
THE AMERICAN RIFLEMAN

In 1895, Marlin introduced a lever-action sporting rifle designed for hunting deer, moose, and similar-size big game. Designated Model 1895, this tubular-magazine repeater was offered in various large calibers of which the .45-70 Government was the most popular.

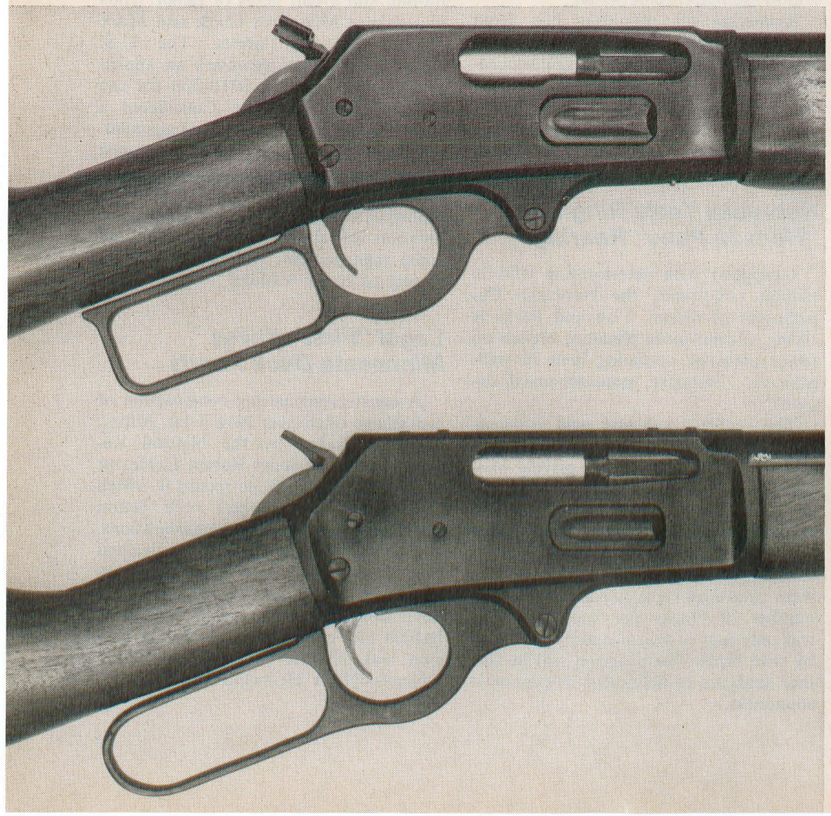
After introduction of the .30-30 Winchester and other smokeless-powder sporting rifles during the 1890's and early 1900's, popularity of the large-caliber blackpowder rifles declined and the Marlin Model 1895 was discontinued.

But this excellent rifle did not remain forgotten. Due to the current strong revival of interest in old guns, it was brought back on the market recently in an improved half-magazine version chambered for the .45-70 Government cartridge only. Like the original Model 1895, the new rifle is designed for hunting North American big game. The manufacturer claims that it has no peer for this purpose, especially in the deep woods.

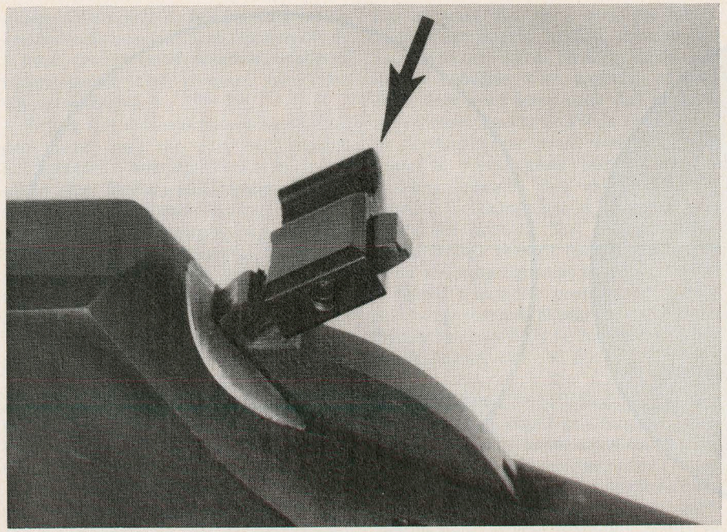
The new version of the Model 1895 is a fine performer. Using a 4X telescope sight on the rifle and firing factory smokeless-powder loads with 405-gr. soft-point bullets, the Model 1895 tested by *The American Rifleman* Technical Staff was fired at 100 yds. over sandbag rest. The largest 5-shot group in a series of five was 2.70" extreme spread, while the smallest measured 1.50". Average extreme spread for the five groups was 2.26". This is excellent accuracy for a .45-70 lever-action repeater weighing only 7 lbs. 3 ozs.

Functioning was also excellent. There were no malfunctions in firing 110 factory, 405-gr., smokeless loads of popular makes, and operation of the action was easy and smooth. Working the lever with the rifle on the shoulder was done easily without any tendency for the rifle to slip down or shift out of position. This was due to the well-proportioned stock and also to the black plastic buttplate which is curved slightly to hug the shoulder and checkered to give a non-skid surface.

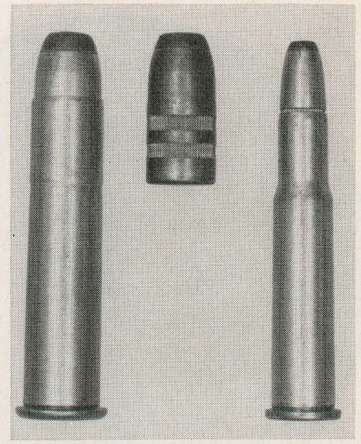
The Model 1895 is well balanced, and its pointing qualities are favorable. Carrying the rifle over the arm is easy and natural. This may seem like a small point, but it is very important to the hunter who carries the rifle for long periods.



Action of the new model 1895 rifle (top) is basically similar to that of the Model 336 in .30-30 Winchester cal. shown for comparison. The chief differences are the larger ejection port and loading port of the Model 1895, and its larger-diameter bolt face to accommodate the .45-70 Government cartridge. Marlin states that the loaded cartridge length for the new Model 1895 should not exceed 2.550", which is the length of a factory load with 405-gr. soft-point bullet.



Offset hammer spur (arrow) permits easy cocking with a low-mounted telescope sight on the rifle.



Current factory .45-70 Government smokeless-powder load has a 405-gr. soft-point bullet. A .30-30 Winchester cartridge is shown for comparison (r).

On the unfavorable side, considerable effort is required to push cartridges into the magazine. This is especially true with Winchester-Western ammunition because of insufficient bevel on the case rim. Another criticism is the rather sharp edge at the front of the loading port which can cause discomfort to the fingers if care is not taken while filling the magazine. These faults are minor.

In firing the Model 1895, felt recoil did not seem very great despite the heavy 405-gr. bullet of the factory .45-70 Government smokeless load and the rifle weight of only 7 lbs. 3 ozs. The effect was more of a push than a sharp jab. Computed recoil of the factory 405-gr. smokeless load fired in the Model 1895 rifle is 16.97 ft.-lbs., as compared with 20.13 ft.-lbs. for a factory .30-'06 180-gr. load fired in an 8-lb. rifle.

The trigger pull of the rifle evaluated by the Technical Staff is a crisp 5½ lbs. which is satisfactory for a big game rifle. This pull is somewhat on the heavy side for target shooting, but did not prove a handicap during the tests.

A modified Model 336 action is used in the new rifle. Simple, strong, and reliable, this action has an exposed hammer and solid-top receiver. It is basically the same as actions of the Marlin Models 1893 and early-version 1895 rifles, but features a cylindrical breech-bolt and several smaller modifications.

Marlin states that the new Model 1895 is suitably strong for use with hand-loaded ammunition generally recommended for firing in the Winchester Model 1886 lever-action rifle. A typical handload in this category drives the 405-gr. soft-point bullet approximately 1800 f.p.s. (feet per second) at the muzzle. This is much higher performance than the current factory 405-gr. soft-point smokeless load listed at 1320 f.p.s. muzzle velocity in ammunition makers' catalogs. The latter is the only .45-70 Government load now offered by U.S. ammunition factories, and develops sufficiently-low pressure to be suitable for use in weaker .45-70 rifles such as the single-shot Springfield.

Ejection in the Model 1895 is through a port on the right side of the receiver. This is a great advantage since it permits a telescope sight to be positioned low over the solid receiver top. The receiver is drilled and tapped for a top scope mount as well as an aperture receiver sight. An offset hammer spur furnished as an accessory is clamped to the hammer with an Allen screw, and permits easy cocking without interference from a low-mounted scope.

Specifications

MARLIN MODEL 1895 RIFLE

Mechanism Type: Lever-action, tubular magazine
Caliber: .45-70 Government
Weight: 7 lbs. 3 ozs.
Barrel Length: 22"
Over-All Length: 40½"
Magazine Capacity: Four rounds
Stock Dimensions: Length of pull, 13⅝"; drop at comb, 1⅞"; drop at heel, 2⅞"
Sights: Gold-bead front; semi-buckhorn, folding, U-notch rear, adjustable for elevation; receiver drilled and tapped for aperture receiver sight and top scope mount
Sight Radius: 17¾"
Rifling: Eight grooves, right twist
Accessories: Offset hammer spur
Price: $185

The 22", round, tapered barrel has 8-groove rifling. Fitted to it is a gold-bead front sight and a U-notch semi-buckhorn rear sight with folding eyepiece. The rear sight has a stepped elevator to give elevation adjustment, and can be driven laterally to adjust for windage.

Instead of extending to the muzzle, the 4-round tubular magazine of the new Model 1895 projects only 3-5/16" beyond the forearm tip. This is partially responsible for the handsome appearance of the new rifle.

Also contributing to the handsome appearance are the gloss-finished American walnut stock and forearm of generally pleasing color and figure. A circular plastic inlay in the bottom of the stock depicts the Marlin bullseye trademark consisting of a black dot circled by a white ring.

Workmanship and finish of the rifle evaluated by the Technical Staff are generally excellent. Most metal parts are machined steel highly polished and blued. The top and bottom of the receiver have a dull, non-reflecting, black finish.

This fine rifle is the only .45-70 repeater now offered. It should be of special interest for big-game hunters, especially those who favor the .45-70 Government cartridge.

Manufactured by: The Marlin Firearms Co., 100 Kenna Dr., North Haven, Conn. 06473.

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SMART TRAIL-WATCHING CAN PRODUCE VENISON

The technique puts a premium on patience and the ability to stay absolutely still

By FRANCIS SELL

THE deer I bagged on my last hunt was one of 27 I had seen. My partner, hunting adjacent territory, looked over about the same number before deciding on his forked-horn as a "good piece of eatin' meat."

The method used is called *trail watching*. It produces, even in heavily hunted territory, but there is some difficult woodcraft involved. Most difficult is the ability to sit down and keep absolutely quiet for an hour or sometimes as long as four hours.

This method works in all types of deer cover, including heavily forested and open territory. I have used trail watching for Columbian blacktails, whitetails, and mule deer. Always, the less movement the greater my chances for success. I use trail watching both with a rifle and when hunting with camera and telephoto lens.

Beyond the ability to sit still, you must find productive trails to watch. This is a comparatively simple procedure. The territory you plan to hunt is examined for bedding, feeding and intermediate travel areas.

If you examine a square mile of wilderness, you'll find deer signs—tracks and droppings, if the territory is worth hunting. The forest isn't a uniform covering. There are openings that let in the sunshine during the growing seasons. There are half acre to acre patches of screening brush, and islands of dense growth that are natural bedding grounds, affording security for the deer herds during the day.

Examine the dense cover and you'll find well used trails leading in and out of them. These trails connect thickets one to the other, through the entire range. Connecting trails are very productive if you carefully select your stand in reference to the thermal winddrift. If there is a storm canceling out the thermals, this must be taken into consideration.

The trails that the deer are using on the days you are hunting are very easily identified by the fresh tracks. Some trails will show evidence of recent use. Older trails will show weathered tracks, or tracks partly filled with snow.

If you are unfamiliar with the territory, search for old logging roads or abandoned farm roads. Walk along these, always watching for deer crossings, as indicated by tracks. If there are no distinct deer trails but plenty of tracks, trace the trend of them until they converge into distinct trails. These will lead you toward the day bedding areas. Such trails are prime places to watch.

Abandoned orchards are excellent places for watching, too. Fields supporting crops such as alfalfa, late autumn crops of carrots, beets, or potatoes can lead you to deer trails in farm country.

If at all possible, get into the territory you plan to hunt *before* the season opens. Study the deer trails you find there, see how they are used in connection with bedding and feeding, the basic factors that motivate the movements of the deer. It also helps when locating deer trails to study deer feeding preferences in an area.

Trail watching necessitates warm clothing. You must keep absolutely still. There can be no stomping around to restore circulation. No fires, please. There can be nothing except absolute quiet.

I dress with two pair of light woolen socks for cold weather. Sometimes I add an insulating pair of silk socks under these. I wear a suit of Dufold two-layer underwear, cotton next to the body, wool on the outside. This is adequate for all but the coldest weather.

When temperatures drop to around zero I wear a light suit of lamb's wool underwear. Topped with a woolen outside shirt, this combination affords comfort to 20° below zero. Where there is considerable walking and consequent sweating, body heat is regulated by removing then replacing layers of clothing when resting.

A light woolen jacket, handwarmers and woolen mitts complete the outfit. These could be replaced with down jacket and underwear, but my experience with these indicate that they do not handle the perspiration problem as well as the Dufold with a light woolen undersuit topping it. My hunting trousers are soft napped, and windproof. If I hunt during rainy weather, I slip a nylon jacket and trousers over the whole ensemble.

Sitting still and watching a section of deer cover isn't the only requirement for successful hunting. You must know about deer feeding and bedding habits, and their movements during the late evening and early morning. Except during the rut, when bucks may be on the trails at all hours of the day and night, traffic on these trails is during the late evening and early morning.

Deer move from their bedding area toward feeding grounds in late evening. After feeding they usually bed in the feeding area for the night. Before the morning thermal change, they move back to their day bedding cover in the dense sections previously described.

Weather changes disrupt the normal flow of air. Warm air flows uphill during the day, starting very early, and cold air downhill from very late evening until early morning. When a front gives a constant wind or air flow from one direction, deer habits change so that they stay nose to the wind. A full moon makes deer more nocturnal in feeding and trailing habits. This is also true when a territory is heavily hunted. Deer will be on trail somewhere during the late evening and early morning hours. If they are heavily hunted, their arrival in the more open feeding areas will nearly coincide with nightfall. Therefore, they must leave their day bedding area before darkness. When they arrive in feeding areas after darkness, it is easier to select stands closer to the day bedding grounds. One very productive stand I frequently use is almost a mile from the orchard that attracts them. They always present themselves before good shooting light has faded.

Once, I had the problem of getting an inexperienced hunter a good buck within the two days he had to hunt. He arrived at my cabin in the middle of the deer season, after the deer had been heavily hunted for 10 days. I had two alternatives. I could put him on stand and make drives, or we could trail watch.

Considering his inexperience, I ruled out the driving. To get a trophy buck, you must be prepared to be very selective in your driving, spending plenty of time locating favored cover. You must drive the bedding area with the posting done on the escape trails between the day bedding and the next security cover. I didn't feel my guest had much chance in this type of hunting due to his inexperience. Trail watching was the more practical alternative.

We were afield long before daylight. I knew where a series of deer trails crossed partly overgrown flats and draws. It was a beautiful feeding area with wild pea, elk clover, and huckleberry. To the east, there was good security cover of vine maple, high hardhack, and other close growing stuff. We had taken up a position with the early morning thermal wind a prime consideration. The thermal wind drift was down hill, through draws, creeks, away from the higher ground. Deer moving toward the bedding grounds were testing every air current between them and their day bedding grounds.

Our stand gave good air drainage down a draw, *away* from the main feeding area. It carried our scent away from the trails converging on the ridges.

No talking. No smoking. No movement. I impressed these habits on my guest. We waited. An occasional maple leaf ticking down through the trees sounded incredibly loud, reminding me that autumn had come to my multicolored hills.

After a half hour wait, we saw a beautiful four-pointer (western count) ghosting through the gray gloom of the first good shooting light. My inexperienced hunter guest scored from about 100 yds.

There is still another type of trail watching where a deer hunter can do himself some good. This is watching for a full day while an army of other hunters are on the prowl. Best selection of territory for watching is the area near the day bedding grounds. Obtain a position where you can watch trails leading away from islands of dense cover. Hunters pushing through these will move game for you. Wait out the day. Don't be tempted to go on the prowl yourself. Watch. Before the day is over, you'll probably have several opportunities for shot kills—while that army of prowling hunters goes home without venison.

Sometimes you'll be tempted to ignore the thermal wind drifts for they are often almost imperceptible. *Don't!* For as sure as shooting they will be uphill, up valley and draw during the day from fairly late morning until late evening. Then they change and the drift carrying your hunter scent is downhill.

Don't let the simplicity of this very effective method of getting a trophy buck fool you. It's a very exacting way of hunting. All the details must be attended to if you are to be successful. It takes plenty of deer hunting savvy to select the right spot for trail watching. It takes plenty of self-discipline to keep quiet and alert hour after hour. If you can measure up to those requirements, you'll soon get the name of being a lucky deer hunter. I have. ■



Trail watching requires knowledge of the effect of changing weather conditions on deer movement. Here, a five-pointer, photographed through the rain.

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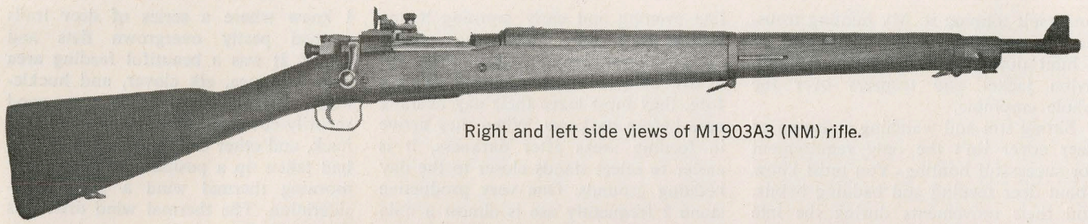
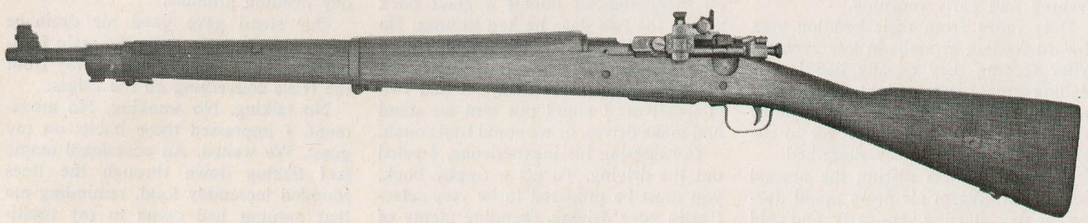


Right and left side views of M1903A3 (NM) rifle.

THE UNMATCHED NATIONAL MATCH RIFLE



By LT. COL. BILL BROPHY, USA (Ret'd.)

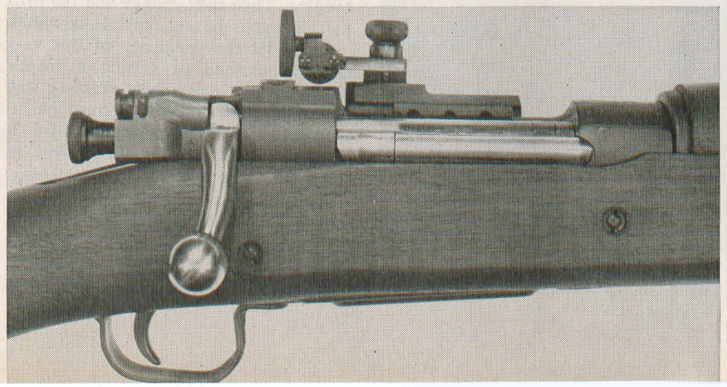
For American competitive high-power rifle shooters, 1940 was a memorable year. It was the last year in which Springfield Armory produced the superb Model 1903 National Match rifles for use by National Match competitors. And, because of America's subsequent involvement in World War II, it was the last year in which the National Match high-power rifle competitions would be held until 1951.

In the interim, the semi-automatic M1 rifle replaced the Model 1903 Springfield as the principal U.S. service rifle. Although a fine battle rifle, the M1 was distrusted as a target arm by old-school riflemen loyal to the memory of the Springfield rifle. At that time the National Match version of the M1 rifle was several years in the offing.

The post-war revival of high-power rifle shooting at the national level began here in 1950 when plans were made to reactivate the National competitions for both "Match Rifle" (bolt-action) and "Service Rifle" (M1 rifle). To encourage participation with the Match Rifle by National Guard, ROTC, civilian, and military post, camp, and station teams, it was proposed to Army Ordnance that a rifle comparable to the pre-World War II Model 1903 National Match rifle be developed and that this rifle be made available for both issue and sale. It was desired that this rifle be competitive in both accuracy and function with custom-made and commercial match rifles and that it comply with the official NRA "Match Rifle" definition as well as other pertinent NRA rulings.

The Ordnance Dept. soon determined that the needs of World War II had exhausted the stock of pre-1941 Model 1903 National Match rifles and that the only bolt-action rifles available as a foundation for a match rifle were the Model 1903A3 Springfields manufactured during the war years by Remington Arms Co. and L. C. Smith & Corona Typewriters, Inc.

Close-up of M1903A3 (NM) rifle action showing polished nickel steel bolt and Redfield sight.

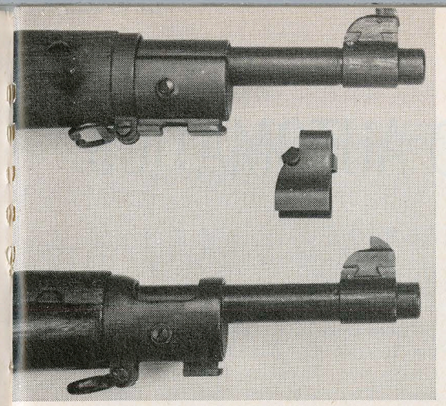


From the supply of M1903A3 rifles in storage, the Office of the Chief of Ordnance, Field Service Div., at Springfield Armory, selected a number in new, unfired condition. These rifles were then screened to segregate those with four-groove barrels as well as rifling dimensions and accuracy capability comparable to that of previous National Match rifles. Two hundred of the best rifles were selected eventually for further work and modification. It was felt, apparently, that a trial lot of 200 rifles should be made up and distributed equitably to various rifle teams for evaluation, to determine the general suitability of the rifle before instituting volume production. The initial selection included both Remington and Smith-Corona manufactured rifles.

In rebuilding these rifles, most of the original M1903A3 parts were retained. However, the original roughly-machined and poorly-finished bolts were replaced with polished nickel steel M1903 bolts, and M1903-type sears were substituted for the M1903A3 sears. Trigger pulls were adjusted to pre-war National Match specifications, and averaged 3½ lbs.

The M1903A3 front sight base was replaced with M1903 fixed and movable front sight stud units. The high M1903A3 front sight blade was retained because it was compatible with the new rear sight to be used on the modified rifle.

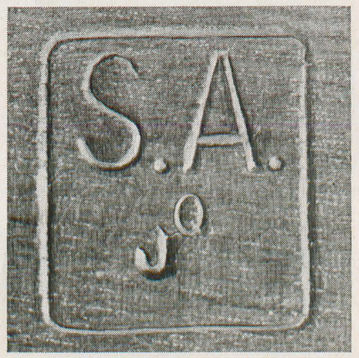
In the stock assembly, the stamped and formed M1903A3 buttplate was replaced with a forged and machined



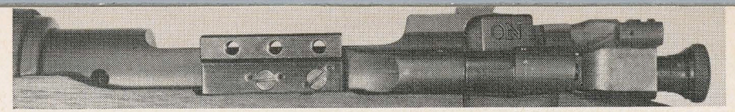
Muzzle end of M1903A3 (NM) rifle (upper) shown with M1903 rifle muzzle for comparison.

M1903 Buttplate. Otherwise, the stock, handguard, bands, and other minor parts were of M1903A3 pattern. Stocks were selected individually for fit and soundness, and bedding contact points were adjusted to give about 7 lbs., upward pressure against the barrel at the muzzle bearing. The stock was marked —in addition to the original manufacturer's and Ordnance proof marks—on the middle of the left side of the buttstock with the initials "SA" and the inspector's initials in a typical cartouche. On original M1903 rifles, this marking was normally stamped on the left side of the stock behind the magazine cut-off.

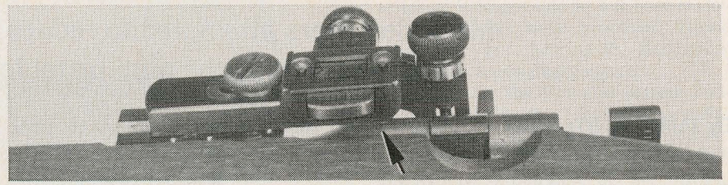
Because it could not be adjusted accurately for windage and elevation, and lacked sufficient elevation latitude for the longer distance to be fired, the M1903A3 sight was considered inadequate for competitive use. Similarly, because of limitations in ease of use and adjustment accuracy, the original M1903 folding leaf rear sight assembly was deemed unsuitable for use on this rifle. Another fault in the M1903 rear sight was that it was located too far forward



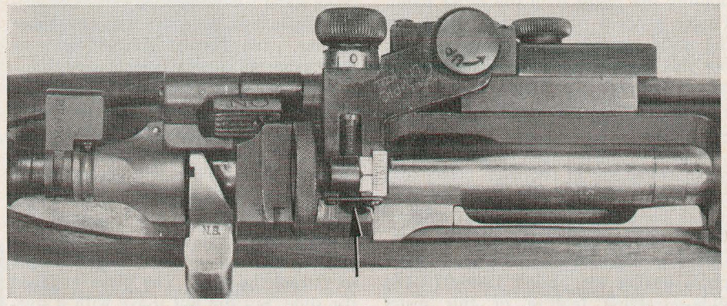
Springfield Armory cartouche was impressed in left side of M1903A3 (NM) rifle buttstock after proofing and inspection of the rifle.



Left side of M1903A3 (NM) rifle receiver showing placement of base for Redfield rear sight.



Interference between sight and receiver (arrow) prevents correct positioning of the sight on its base.



Aperture arm of Redfield rear sight blocks clip slot (arrow) in receiver bridge of M1903A3 (NM) rifle.

to be an ideal match rifle sight. These considerations resulted in the decision to remove the original rear sights from the M1903A3 rifles and replace them with commercial Redfield Olympic aperture receiver sights.

The base of the Redfield sight was attached to the left side of the rifle receiver with two mounting screws. The sight proper, including the sighting aperture, was attached to the base unit with a single large screw. Adjustment holes in the fixed base and the sight gave a choice of six different eye-distance positions at ¼" intervals for a total adjustment latitude of 1¼".

After the 200 rifles had been assembled, inspection by a qualified shooter disclosed a serious deficiency in the mounting of their rear sights. Specifically, when the top or movable portion of the sight was positioned far enough forward so that it did not interfere with bolt function, it could not be attached to its base properly because of interference with the receiver opposite the magazine cut-off spindle swell. And when the sight was positioned far enough forward to clear the receiver, its arm covered the clip slot in the receiver bridge which prevented clip loading of the magazine in rapid-fire.

When these and other limitations were pointed out, it was realized that this rifle had little chance of equalling the performance capabilities and desirability of rifles available from other sources. Accordingly, the rifle development program was dropped because it was felt that it represented a poor combination of rifle and sight. The entire lot of 200 rifles had been modified at Springfield Armory, and from there they were shipped to Schenectady General Depot, Schenectady, N.Y., and Raritan Arsenal, Metuchen, N.J. They were channeled later into the Director of Civilian Marksmanship sales program and were sold to NRA Members as being suitable for training or sporting purposes.

In retrospect, the U.S. Rifle Cal. .30, M1903A3 (National Match) represented a "comedy of errors." Even after it had failed to meet its intended purpose as a match rifle, it was standardized and listed as late as 1956 in official Ordnance publications and given Federal Stock No. 1005-317428. This listing gave the impression that such a rifle was actually available and in service, but in point of fact none were actually issued. The one certainty about the M1903A3 (National Match) rifle is that it is now a scarce and desirable model for those who collect U.S. martial small arms. ■

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THOSE INGENIOUS ONE-HAND AUTOMATICS

Many designers attempted to reduce the effort required to ready the auto pistol for firing

By JAMES B. STEWART
and DONALD M. SIMMONS, JR.

With most semi-automatic pistols, chambering the first round and cocking are accomplished by pulling the slide back and releasing it while holding the pistol with the other hand. Finger grooves or checkered areas on the slide provide a gripping surface, but this method of slide retraction requires use of two hands and is not very easy if the pistol has a strong recoil spring.

Various means were developed to make retracting of the slide easier and faster. Among the first to develop such means were two Americans, J. Chester White and Samuel Merrill, who designed a locked-breech semi-automatic pistol during the period 1906-07. The slide-retracting feature of this pistol consisted of a loading spur which projected beneath the trigger guard. This made it possible to retract the slide with the first two fingers of the hand which held the pistol. The spur, however, required a great deal of force to operate because of its short swinging travel and the strong recoil spring.



White-Merrill cal. .45 pistol has loading spur under trigger guard.

A prototype of this arm in cal. .45 was submitted to the U.S. Army Ordnance Board for the 1907 handgun tests. To quote the official report, "This arm is experimental and its functioning was so unsatisfactory that the test was discontinued. The conception of a loading lever which permits loading by the pistol hand is commended but its practical application was not entirely satisfactory." No further development of this design was undertaken.

Another means of retracting the slide was developed by Ole Hermann Krag, the Norwegian arms designer of Krag rifle fame, and patented by him in September, 1908. His design incorporated a sliding piece which also served as the front of the trigger guard. Curved like a trigger, this piece was pulled rearward with the trigger finger to retract the slide. The piece engaged the slide, but did not move with it during firing.

Krag did much experimenting before his death in 1912, and incorporated several other features in his basic pistol design such as cartridge counters, special safeties, and variations in lockwork. His handguns were never commercially produced, but a large case of his pistols is preserved in an Oslo museum.

Publication of Krag's patent aroused the interest of Witold Chylewski, a Czech who lived in Lemberg, Germany. Chylewski felt that one drawback of Krag's design was that the user had to release the finger piece at the end of its rearward stroke to allow the slide to spring forward. This delayed the firing of the important first shot. Chylewski's idea was to incorporate a trip mechanism so that when the sliding piece reached the end of its rearward stroke, it would disengage from the slide automatically and allow the latter to spring forward. He also incorporated provision in the lockwork for utilizing the sliding piece to press against the trigger and fire the pistol. To load and fire, all that was necessary was to insert a loaded magazine in the pistol and pull the sliding piece to the rear in essentially one continuous stroke.



Chylewski cal. .25 ACP pistol (top) has sliding trigger-shaped piece at front of trigger guard to retract slide. Similar slide retracting system is used in Bergmann 2A and Lignose 3A pistols shown.



Czech Vz. 21 Praga cal. .25 ACP pistol has finger groove in upper front of slide. Pistol is shown with trigger folded.

Chylewski patented his design in March, 1914, and, to gain commercial acceptance, contracted with the Societe Industrielle Suisse (later known as S.I.G.) in Neuhausen, Switzerland, to produce a few hundred sample pistols. These were prominently marked on the retracting device "PATENT CHYLEWSKI" and were marked on the left side of the slide with the manufacturer's inscription.

At approximately the time Chylewski introduced his pistol, the Bergmann firm in Germany brought out their "Einhand" (One-Hand) models which were to become the best-known pistols of their type.

Theodor Bergmann had been producing semi-automatic pistols in Germany since the early 1890's. These early pistols were of unusual construction and chambered for Bergmann-designed cartridges. By 1907, Bergmann had virtually ceased production of handguns, but the extreme popularity of the cal. .25 ACP FN-Browning Model 1905 pistol and its competitors convinced him that he should enter the vest-pocket pistol market. The resulting Bergmann arms were designated by model numbers.

The Bergmann Einhand pistols were the Models 2A and 3A. Both were pocket arms chambered for the cal. .25 ACP cartridge, and featured essentially the same slide-retracting device as the Krag pistol. These Bergmann pistols were generally alike except that the Model 2A had a six-round magazine, while the Model 3A had a nine-round magazine and longer grip than the 2A.

Extensive reorganization took place in the German arms industry after World War I, and the Bergmann firm was absorbed into an arms and ammunition combine known as Aktien-Gesellschaft Lignose, headquartered in Berlin. Production of prewar Bergmann designs was revived under the Lignose name, and before production of Lignose pistols was terminated with the coming of World War II, something in excess of 50,000 had been produced. As the Einhand and Taschen (Pocket) pistols bearing the Bergmann and Lignose tradenames were numbered in one series, it is impossible to tell how many of each model were produced. However, either type bearing the Bergmann tradename is extremely scarce.

Patents for the Einhand feature had been granted to the Lignose firm early in 1921 and, as a result of litigation, Chylewski was prevented from further commercial promotion of his pistols. The remaining unsold Chylewski pistols were reworked by having the Einhand feature and S.I.G. tradename removed, and were sold as ordinary semi-automatics. Of the approximately 1,000 Chylewski pistols produced, only the first few hundred retained the Einhand feature.

Another semi-automatic pistol designed for one-hand operation was introduced in 1921. When Czechoslovakia came into being at the end of World War I, one of the first products of its infant arms industry was a very unusual cal. .25 ACP pistol designed by Vaclav Holek for Zbrojovka Praga (Prague Arms Factory). This pistol is known in Czechoslovakia as the Vz. 21. Vz. is the abbreviation for the Czech word Vzor (model), and 21 denotes the year of introduction. This pistol is better known in the U.S. as the Praga from the inscription on its grips. Only a few thousand of this design were produced before the company went bankrupt in 1926. Apparently all were intended for export as none has the extended barrel necessary to satisfy the Czechoslovak law which required that all handguns sold in



Spanish Jo.Lo.Ar. cal. .25 ACP pistol has retracting lever on right side of slide. This pistol has an extractor patented by Arnaiz.

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Czechoslovakia have a minimum overall length of 18 cm. (7.09″).

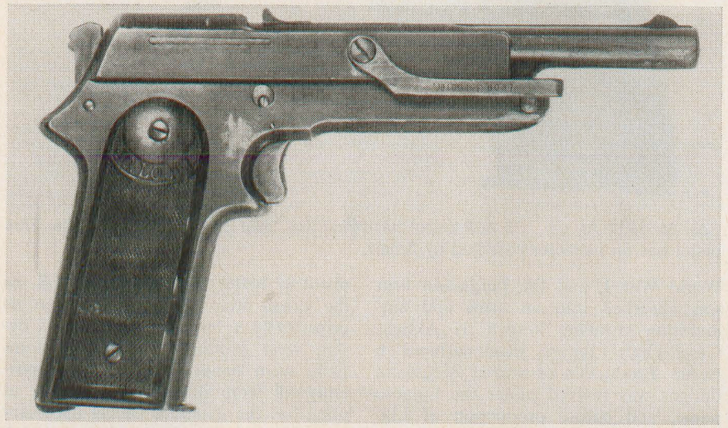
The Vz. 21 is one of the most unusual appearing semi-automatic pistols ever produced. In addition to having a rounded groove on the top front of the slide intended as a hook for the index finger to allow one-hand operation, it has a folding trigger and no trigger guard or manual safety. In normal use, the shooter inserts a loaded magazine in the pistol, points the muzzle toward the ground, hooks his forefinger in the groove, and pulls the slide rearward sufficiently to cock the striker and allow a round to rise in position for chambering. In this position, the trigger is free to swing forward and will align itself in such a way that when the slide is released the trigger tip is housed in the frame. The pistol is now safe and cannot be fired. To prepare for firing, the shooter has only to hold the pistol in the normal manner, hook his index finger in the groove, and pull the slide back about 1/16″. At this point the trigger will be released and fall into normal firing position. Because of its scarcity and unusual operation, this arm is much sought after by collectors.

Semi-automatic pistols with the one-hand slide retraction feature were also manufactured by the firm Hijos de Calixto Arrizabalaga in Eibar, Spain. In 1919, this firm started production of the "Sharp Shooter" pistol covered by Spanish patent No. 68,027. This arm was produced in cals. .25 ACP and .32 ACP, and is of rather unusual design. It has an exposed hammer and tip-up barrel which allow the first round to be chambered and the pistol cocked without having to retract the slide. As a result, the slide does not have finger grooves. These features were later incorporated in Beretta Model 950 series pistols. The tip-up barrel system is also used in French Le Francais and some models of Austrian Steyr pistols. Like Le Francais pistols and the early version of the Steyr, the Sharp Shooter has no extractor, and depends on residual chamber pressure to eject the cartridge case. The letter "h" is omitted from the word "Shooter" marked on the cal. .25 version of this pistol, whereas this word on the cal. .32 version is spelled correctly.



Early version of Steyr pistol (l.) has no extractor. Model 34 (r.) has an extractor, and was used extensively by Austrian and German police. Both are chambered for cal. .32 ACP cartridge.

In September, 1919, José de Louis Arnaiz, an employee of the Arrizabalaga firm, was granted patent No. 70,235 on an improved extractor. The pistol with this improved extractor bears the tradename Jo.Lo.Ar. derived from Arnaiz's name, and is far more unusual than the patent would indicate. Pivoted to the right side of the slide is a lever which allows true one-hand operation. In use, a loaded magazine is inserted in the frame of the Jo.Lo.Ar., and the first three fingers of the shooting hand are used to pull the lever which retracts the slide. This action also cocks the hammer. When the lever is released, the slide runs forward and chambers the first round. Despite this method of operation, the tipping barrel system of the Sharp Shooter was also used in the Jo.Lo.Ar. To aid in quick firing of the first shot, the front of the trigger guard was omitted. This resulted in what is commonly known as a sheath trigger. The rather loose pivoting of the retracting lever to the slide is necessary to prevent injury to the shooter's hand when the pistol is fired. As the slide travels to the rear in recoil, the lever flips up and passes over the shooter's hand. It stays in this position until the slide returns forward, and then drops back.



Military version of Jo.Lo.Ar. pistol in cal. 9 mm. Bergmann-Bayard. Slide retracting lever is pivoted forward as shown when not in use.

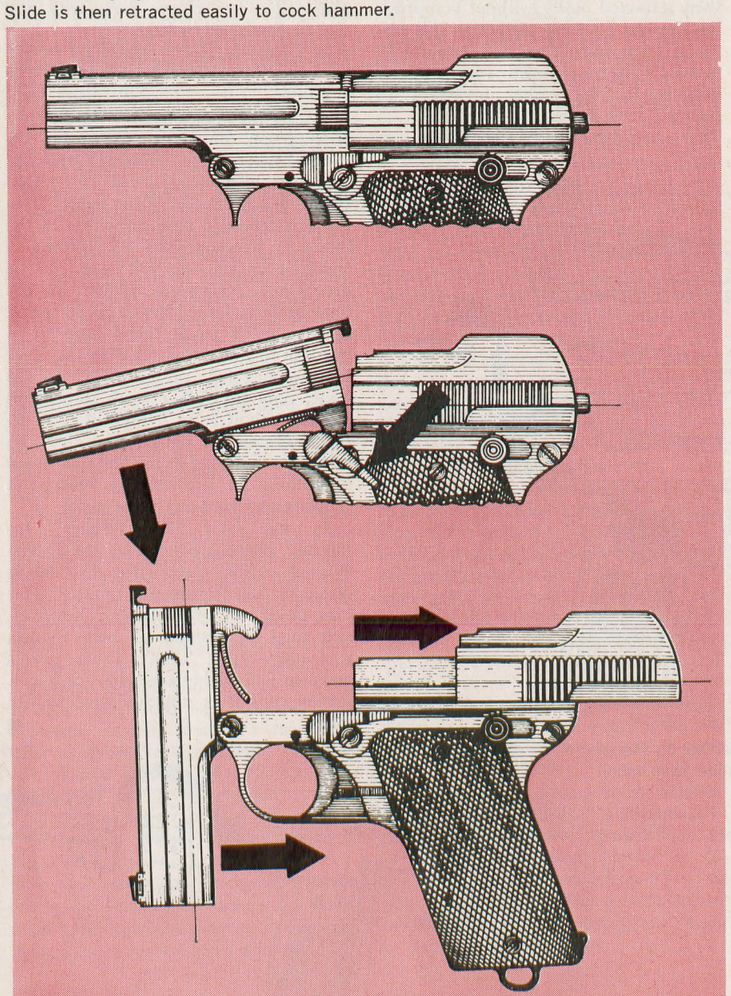
The Jo.Lo.Ar. was produced initially in cal. 9 mm. Bergmann-Bayard which is among the most powerful handgun cartridges, and the use of such a round in a blowback-operated pistol is quite unusual. The 9 mm. version was produced in two series. The first was numbered from one to something less than 2000 and the second, with slightly modified extractor and barrel release lever, was numbered from 4000 up. About 1,500 of these nine-shot pistols were sold to Peru for use by the civil guard, and were among the last military handguns imported into the U.S. and sold as collectors' items. Such importation is now prevented by the Gun Control Act of 1968. There was also a small quantity produced in cal. .380 ACP and sold to Peruvian police. These are apparently all numbered in the 20000 plus serial range.



Dreyse pistol in cal. 9 mm. Luger.

Commercial sales were also made of an eight-shot Jo.Lo.Ar. in cal. .32 ACP, and six-, eight-, and nine-shot versions in cal. .25 ACP. Cal. .25 specimens were numbered in the 10000 and 11000 serial range, and cal. 32's in the 12000 serial range. The earliest cal. .25's have the largest cartridge capacity. Apparently in an attempt to increase commercial acceptance of the cal. .25 pistol, its size was continually reduced so that the final version was essentially a vest pocket rather than pocket arm. A decrease in size was also made in the cal. .25 Sharp Shooter Pistol.

Slide of Steyr pistol is disconnected from recoil spring by pivoting barrel open. Slide is then retracted easily to cock hammer.



Production of the Jo.Lo.Ar. in cals. .25 ACP and .32 ACP commenced in 1924 at which time sale of the Sharp Shooter was subcontracted to the marketing firm of Ojanguren & Vidosa. Arrizabalaga concentrated on sales of the Jo.Lo.Ar.

Although cals. .25, .32, and .380 specimens of these pistols were apparently all produced before 1930, the 4000 series of the cal. 9 mm. Jo.Lo.Ar. was produced after that date. This is indicated by the change in proofmarking of the 4000 series arms. Despite the simple blowback action of the Jo. Lo.Ar., several pistols of this make were produced in cal. .45 ACP; however, no large-quantity manufacture was undertaken.

In some semi-automatic pistols, retracting the slide is facilitated by temporarily disconnecting it from the recoil spring. Among the early pistols with this feature is the Austrian Steyr introduced in 1909. Produced in cals. .25 ACP and .32 ACP, this interesting arm has a tip-up barrel. Pushing a lever on the left side of the receiver unlocks the barrel which pivots open under spring pressure. This disconnects the recoil spring guide from the slide, and the latter can then be pulled back easily to cock the hammer. Extraction is by means of powder gas pressure, and the pistol has no extractor. The tip-up barrel provides easy access to the chamber for loading and unloading. In using the pistol as a single-shot arm, the loaded magazine can be latched in a position slightly lower than normal, and the barrel opened to load the chamber.

The Model 34 version of the Steyr pistol is generally similar to the early version, but features an extractor. Both versions were fairly popular in Europe. The Model 34 in cal. .32 ACP was designed for police work and used extensively in Austria and Germany.

Another early semi-automatic pistol

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with a means of disconnecting the slide from the recoil spring is the Dreyse, chambered for the 9 mm. Luger cartridge. Designed by Louis Schmeisser, this blow/back-operated arm was produced by the Rheinische Metallwaren und Maschinenfabrik, Soemmerda, Germany, and brought on the market in 1909 or 1910.

A very strong recoil spring is required in this pistol because of the lightweight slide and powerful cartridge, and some means of disconnecting the recoil spring from the slide is a necessity to permit slide retraction. This is accomplished by unlatching a long member in the top of the slide and pivoting it upward. The member is then pulled rearward to retract the slide, and is reengaged with the slide before firing. While ingenious, this system is not very practical, and the cal. 9 mm. Dreyse was discontinued about the time of World War I.

In 1913, Smith & Wesson brought out a cal. .35 pocket pistol in which the breechbolt (slide) was readily disconnected from the recoil spring. This blowback-operated arm was based on patents by Charles P. Clement of Belgium. When the breechbolt of this pistol is gripped in the normal manner, the forefinger depresses the breechbolt release catch, and the breechbolt is then retracted easily without compressing the recoil spring. Although this pistol is nice appearing and beautifully made, it never proved very popular because it was rather awkward to operate, high-priced, and the cal. .35 S&W cartridge was an uncommon size and often hard to get.

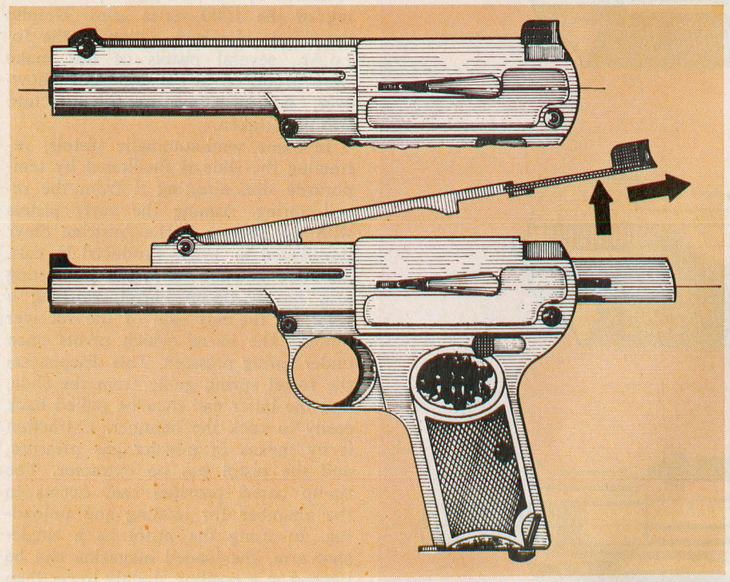


Early version of Smith & Wesson pistol (top) is chambered for cal. .35 S&W cartridge, and later version is chambered for .32 ACP. Breechbolt is disconnected from recoil spring by depressing release catch (arrow).

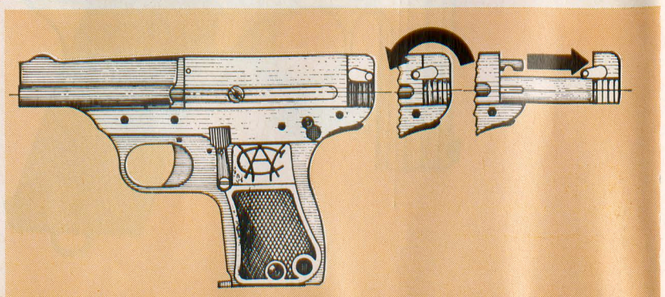
An improved version of this arm chambered for the cal. .32 ACP cartridge was introduced in 1924, but it also failed to achieve popularity and was discontinued in 1936.

A means of easing retraction of the breechbolt was also featured in "The Infallible" cal. .32 ACP pistol produced by the Warner Arms Corp., Norwich, Conn. Based on patents by Andrew Fyrberg, this blowback-operated arm was introduced about 1914. Disconnecting the recoil spring guides from the breechbolt to ease retraction of the latter is accomplished by turning a small lever on the left side of the breechbolt. Rearward motion of the breechbolt is limited by the recoil spring guides and a small metal stop. It is possible to fire the pistol with the lever in disconnected position. If this is done, only the rather weak stop keeps the breechbolt from flying out. To further increase the danger, the stop can be left open during firing, and then there is nothing to prevent the breechbolt blowing rearward out of the pistol.

In the later Davis-Warner "Infallible" pistol produced by the Davis-Warner Arms Corp., the breechbolt disconnecting feature was omitted. This arm never became popular, however, and total production of both models was only about 7,000. These pistols are rare and highly desirable for a collection, but it is not advisable to fire them. ■



In Dreyse pistol (above), unlatching the member in top of slide and pivoting it upward disconnects slide from recoil spring. Pulling this member rearward retracts slide. Lever on breechbolt of Warner Arms Corp. "The Infallible" pistol (right), is turned forward to disconnect recoil spring guides from breechbolt.



By BECKY JOHNSON

IMPORTANT FACTS ABOUT RABIES

EACH year, in the United States thousands of persons are treated for suspected exposure to rabies. Despite advances in preventive medical science over the past two decades, rabies is still with us, sometimes reaching epidemic proportions. Outdoorsmen should not fear rabies, but they should be aware of its threat and of proper measures to take in case of exposure.

Several Southeastern States, including Virginia, Tennessee, Kentucky, South Carolina, and Georgia have suffered outbreaks of rabies in areas of high deer population. Eastern West Virginia's deer population also has been affected for the first time in many years.

Rabies is a viral infection generally contracted from a break in the skin, usually a bite, contaminated by saliva from an infected animal. However, infection can occur without the victim having been wounded by an inflicted animal; the virus can enter minute breaks in the skin or through the nasal membranes. Exposure often results from careless handling of an animal or carcass.

Rabies is a disease of the central nervous system. Early symptoms in humans are headache, fever, nausea, sore throat, and loss of appetite. As the disease progresses it is accompanied by pain, increased salivation, paralysis of the throat muscles and periods of irrational excitement, alternating with alert calm. Convulsions are common. The painful throat spasms suffered when attempting to swallow, or even upon viewing liquids are characteristic of rabies victims and gives the disease its common name *hydrophobia* or "fear of water".

Death from heart or respiratory failure usually occurs within a week after appearance of rabies symptoms, usually while the excited state is predominant. If the patient survives this stage, muscle spasms and agitation cease and are replaced by fatal progressive paralysis. No specific treatment is available once symptoms appear, and until 1970 when an Ohio boy, who had received post-exposure vaccine treatment recovered from a probable case, there was no documented example of a human surviving this disease. Therefore, prompt treatment is important.

The rabies vaccine currently used is prepared from virus grown in duck embryo and inactivated chemically. Previously, nervous tissue vaccine prepared from rabbit brain, similar to the original Pasteur vaccine, was used almost exclusively. Duck embryo vaccine is now preferred because of the lower incidence of central nervous system reactions. Treatment consists of injections beneath the skin for 14 consecutive days, followed by boosters at 10 and 20 days. The series is unpleasant, especially for children.

Rabies can be contracted by any warm-blooded animal. The most prevalent carriers, worldwide, are of the order *Carnivora,* the predators, followed by rodents, and bats. These in turn transmit the virus to other species. The most common carriers vary with the specific area and the nature of animal populations. In the Northeastern U.S. the red fox is the most prevalent carrier, while in the central Appalachians, it is the gray fox. Skunks are dominant carriers in many areas, while in the deep South the raccoon is an important carrier. Research has indicated that transmission of the virus, usually from bats, is possible in confined air spaces, such as caves, where a high concentration of the airborne virus can build up and remain active long enough to infect other animals.

Research is being conducted to determine the survival rate of infected animals. The majority of animals infected die shortly, but examinations of blood from captured animals by various governmental agencies indicate that a significant though small number of animals survive, continuing to act as carriers of the disease.

Prevention of rabies is facilitated by common sense, reinforced with sensible application of modern veterinary and public health techniques. It is important that the general public follow accepted practices to minimize chances of exposure. Domestic animals should be vaccinated, given the appropriate booster shots as required and kept under the owner's control. Management of wild animals is more difficult, but is aided by enforcing proper garbage disposal procedures. Open garbage dumps attract rats, foxes and other nuisance species in numbers, increasing chances for exposure of animal populations. Trapping and poisoning are useful for controlling rabies only in special cases, and never in large geographic areas.

It is important that dog owners and outdoorsmen have a knowledge of rabies. In dogs the usual incubation period is 21-60 days, but may be much longer. Early symptoms in animals are fever, loss of appetite and change in disposition, and in dogs a change in the tone of the bark. Later, restlessness, agitation, trembling and increased salivation appear. The excited state usually lasts 3-7 days, being followed by convulsions and progressive paralysis.

Wild animals are naturally afraid of human beings. One of the effects of rabies is loss of this fear. Therefore, view with alarm any wild animal which approaches fearlessly. Preventive rabies treatment, preferably with duck embryo vaccine, is recommended for persons such as veterinarians, wildlife researchers, dog wardens, cave explorers or others engaging in activity involving great risk of exposure. Because this treatment has its disadvantages (discomfort in treatment, and the possibility of allergic reaction in some persons) research is being done to develop a more useful vaccine. A vaccine utilizing virus grown in human tissue cultures is in early stages of clinical testing.

Following are guidelines for outdoorsmen which will aid in their protection, their pet's safety, and help control the spread of rabies.

For Yourself

1. If approached by a normal wild animal remain alert to its actions.
2. If attacked, use a booted foot, rifle butt, or any item possible to prevent being bitten. A hunting coat may serve as a shield.
3. Don't lose your head and start running from an animal such as a fox. It can easily outrun you.
4. If bitten, capture or kill the animal, taking care to preserve the head, when such is possible without further serious risk.
5. Get the animal or intact head to a veterinarian or health department for examination and diagnosis. Handle with rubber gloves, taking care to avoid contact with saliva. Label the container as a Rabies Specimen.
6. Allow the wound to bleed freely, then wash thoroughly with warm water and soap as soon as possible, and;
7. Seek medical attention immediately.

For Your Dog

1. All dogs should be vaccinated regularly.
2. If your dog is attacked, don't come to his aid bodily. He is vaccinated, not you.
3. If your dog is bitten, avoid the wound. Cleanse with a disinfectant by use of a brush or swab.
4. Even if vaccinated, get your dog to a veterinarian as soon as possible and isolate him, preferably under observation by your veterinarian.
5. Never put the bitten dog out to board without properly informing the attendant.
6. Release the bitten dog from isolation only on the advice of your veterinarian.

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THE SILENT REVOLUTION AT

Savage ithacagun

By JAC WELLER

A few sporting arms have been invented and produced before their time, and then lasted the course. One of these is surely the rifle patented by Arthur Savage in 1893 and first offered commercially as the Model 1895 in that year. The later Savage Model 99, little changed from the earlier Model 1895, is still being made by Savage Arms in large quantities after more than 70 years. One need not feel handicapped with a Model 99 today, since it is strong and handles modern ammunition safely and efficiently. And it functions flawlessly because of a first-rate cartridge feed system.

Arthur Savage's rifle was a lever-action with a solid steel lockup between the breechblock and receiver. Model 99 was designed initially for the new smokeless powders then being introduced. The .250-3000 cartridge designed by Charles Newton for this rifle was in a class by itself for years. The .300 Savage cartridge, an early favorite, was so efficient that it became the prototype of the 7.62 mm. NATO round, also known as the .308 Winchester. The Model 99 can be bought today chambered for the .250 Savage, .308 Winchester, and several other high-pressure cartridges including the .243 and .284 Winchester rounds.

Savage Arms is now located in a single, enormous one-floor plant in Westfield, Mass., only seven miles from the old Springfield Armory. This firm produces an extensive variety of shoulder arms. Their production systems are neither new nor old, but a combination of the two. For instance, the receivers of the famous Model 99 rifle are machined from modern heat-treated steel forgings on a production line set up 50 years ago. On the other hand, many of the machines are new or were rebuilt with modern electronic controls.

Let's follow a Model 99 receiver through this production line. A forging is drilled, bored, reamed, and faced in an old turret lathe now partially automated. The work is loaded in a chuck fixture and the machine started by the operator. The remainder of the operation is automatic, including the stopping of the machine preparatory to reloading.

The next operation on this piece is new: The blank is located on the semi-finished interior, and then straddle milled, dry, with carbide cutters at high speed and feed. A machine capable of doing this must have strong modern spindles, a powerful drive system, and effective guards for the flying chips, but the finish is so good that it resembles one obtained by grinding.

There are 118 different operations on the Model 99 receiver, including finishing.

The Model 99 receiver now goes through more than a dozen minor milling operations, mostly to finish the interior to house the breechblock and trigger assembly. Savage engineers have added electronic and profile controls, but many of the machines date back to the 1920's. At one time, there was one operator to each machine, but today a single man handles several because they stop automatically on completion of their cycle. He unloads, loads, and starts the machine, but then moves on to tend another machine in his string. Depending on how much time is taken by the operations, one man can run from two to six machines.

These banks of semi-automatic machines are, of course, simple compared to the big special-purpose electronic tape-controlled automatic machines used by Remington and to a lesser extent by others, but initial cost of equipment is lower also. The big machines are less likely to turn out a piece of scrap, a frequent occurrence in individual machines from improper positioning of a blank in a fixture, but if the big machine errs, hundreds of pieces may be spoiled.

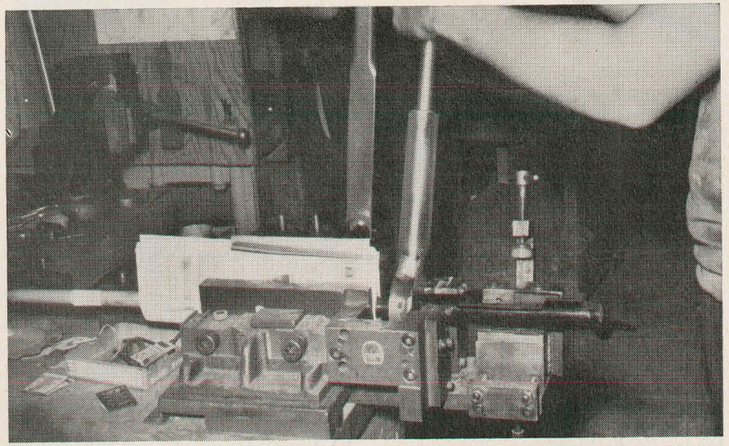
Savage Arms employee reams rifle barrels before rifling. The operation produces the close tolerances and smooth surfaces necessary for barrel accuracy.



ABOUT THE AUTHOR

When Jac Weller did his three-parter on "The Quiet Revolution in U.S. Firearms Making" (*The American Rifleman*, Jan., Feb., Mar., 1971), his tour of sporting arms factories stopped short of Savage and Ithaca. Here he reports on those two major companies.

The Savage production concept, using old methods so long as quality can be maintained at reasonable cost, pervades all their firearms manufacturing processes. But they change to a new method if a job can be done better or more economically by so doing. They are blessed, of course, with many products that they have made in large quantities for many years. Some of their operators have been doing virtually the same work for a quarter of a century. But there are innovations that will be discussed presently.



Barrel locknut being tightened to secure exact headspace in Savage 110 rifle.

The second most impressive rifle in the Savage line is the Model 110 center-fire, a bolt-action that differs in some particulars from all other rifles of this type. It has, for instance, an ingenious headspacing procedure in manufacture, and is also made in a true mirror-image left-handed version. Let's follow the Model 110 barrel through production, with particular emphasis on what is new or different.

All Savage center-fire barrels are made from top quality chrome molybdenum steel, heat-treated before delivery. All blanks are solid initially. No quality rifle manufacturer presently uses drawn seamless tubing for barrels, although this procedure may be important in the future.

At Savage, the first drilling operation is performed on several different makes of machines, but of the same general type. A stationary "gun drill" with a single cutting edge is fed into the revolving barrel blank while high pressure oil is pumped through the drill shank to flush out chips. A properly designed and sharpened gun drill tends to center itself in a revolving blank; run-out of the drilled hole (the distance from the exact center) at the end of the blank is rarely more than a few thousandths of an inch, equivalent to one or two thicknesses of a human hair. Inside diameter of the drilled hole can be controlled closely, but reaming is required to bring the bore up to final size and required finish before rifling.

The barrels are next straightened, and turned on the outside. Savage has several machines including a massive new automatic lathe capable of removing metal fast and precisely and leaving a mirror finish, and older machines equipped with new profile attachments and hydraulic steady rests. All cutters are tungsten carbide; soluble oil coolant-lubricants containing water are used in both types of machines.

Most Savage center-fire barrels are rifled with three passes of special buttons which must, of course, be changed when caliber or speed of twist are varied. The first button starts the grooves. The second button puts the full-depth grooves into the bore uniformly and finishes the bottoms and sides of the grooves. The third button finishes the tops of the lands and the upper portions of the grooves. This three-button rifling procedure may not be absolutely necessary (some rifle makers use only one button), but it certainly gives a fine internal finish.

All center-fire barrels except those chambered ultimately for the .25-06 and the 7 mm. Remington Magnum cartridges are button rifled. Barrels in these calibers are available in the Model 110 only and are produced exclusively of stainless steel. According to Savage engineers, this material requires a different rifling procedure. Stainless steel barrels are hook rifled with single cutters on automated machines. An operator loads a barrel into the rifling machine and presses a "start" button. The machine removes a little steel from one groove and then moves to the next all around the barrel. After the cutter has cut all grooves in turn, it is elevated automatically to deepen the cut a trifle and the sequence is repeated. After 12 trips around the barrel, with 12 cuts made in each groove, the rifling job is finished and the machine shuts itself off.

Rifling a stainless steel barrel requires about 25 minutes, but one man can run 10 machines. Since many of these machines were depreciated fully before some of their present operators were born, this process is cheap at Savage. Cutter life is short, however, and only about four to six barrels can be rifled

Specially equipped drill press is used to chamber Ithaca cal. .22 rimfire rifle barrels. Floating tool holder ensures concentricity of the chamber to the bore, Ithaca says.



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between sharpenings.

Chambering is done in two different ways, although on similar automated turret lathes. For Model 99 barrels, depth of chamber in relation to the face of the breech and beginning of the thread is of extreme importance since these barrels must lock up to the receiver properly for both head space and sight positioning.

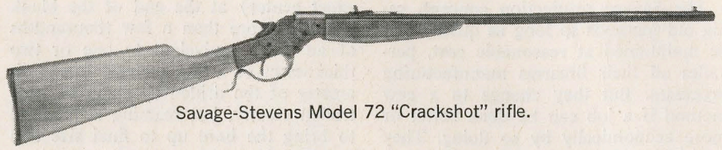
Chambering barrels for the Model 110 is simpler because of the unique method of headspacing employed. Each chamber is finished and polished without reference to the threads on the breech end, and depth of the chamber from the breech face is not critical. Later on, each barrel is screwed into a receiver with a "middle of the tolerance" headspace gauge in the chamber. When the gauge comes up against the face of the bolt, a locknut around the barrel is screwed down to lock barrel and receiver together with the recoil shield held rigidly between them and in proper relationship to the receiver. The barrel locknut is tightened securely with a special wrench and a hole then drilled part way through it for a locking pin. This is a simple, cheap, and effective method of headspacing a rifle.

At Savage, blanks for rifle stocks are dried before being rough turned, usually to about 20% maximum water content. They are then placed in wood turning lathes in which the blanks revolve slowly and are cut by high speed heads which move in and out according to a master pattern stock. A second turning operation is required to produce the required smoothness before final sanding.

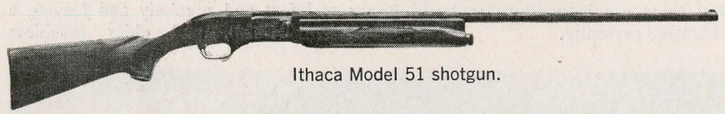
Model 99 buttstocks are carefully machine inletted, but assembly of a stock to its specific receiver is done after the receiver has been heated. The two are then pulled together by means of a tang bolt not only to get a 100 percent bearing, but also to harden the wood at the point of contact. This marrying of steel and wood by means of heat and pressure is common at Savage; later the two pieces are separated for additional work, but both are marked so they can be reassembled to each other later.

Stock checkering at Savage is done with heat and pressure, not by hand with cutters. Hand checkering is expensive, and mediocre hand checkering is inferior to heat checkering in both appearance and utility.

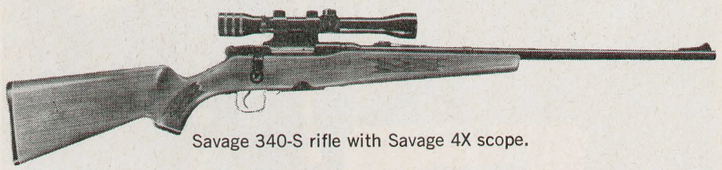
Rifle magazines are varied at Savage. The original Model 99 has an efficient rotary magazine. A properly designed and manufactured rotary magazine allows each cartridge to be fed almost straight into the chamber. Box magazines are easier to charge with clips, but this feature is important in military weapons only.



Savage-Stevens Model 72 "Crackshot" rifle.



Ithaca Model 51 shotgun.



Savage 340-S rifle with Savage 4X scope.

The magazine spool used in the original Model 99 rifle was made of brass, but is now machined from aluminum.

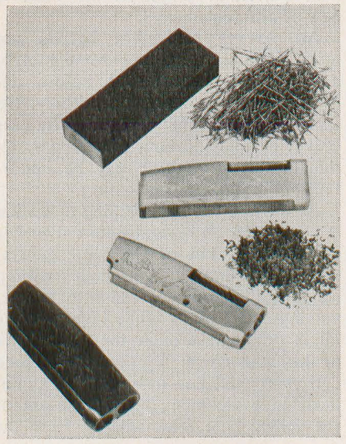
In addition to the Model 99 and Model 110 rifles, Savage produces many other sporting arms. They sometimes make 20,000 rifles and shotguns in a week. It is not possible to cover every model here, but the Fox side-by-side double-barreled shotgun made by Savage is noteworthy. Savage-Fox shotguns are sold widely in four different models and in four gauges.

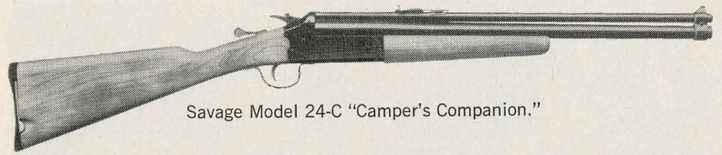
If you walk around the Savage plant and keep your eyes open, you will pick up a lot of minor economies. For instance, fore-end irons for single-barrel shotguns are made from castings, half a dozen in a single integral mass. These are semi-finished and then cut apart, a procedure that materially reduces the cost of producing them. Needless to say, quality is not hurt.

Similarly, shotgun barrels are produced from bar stock, but of smaller diameter than needed at the breech end. Barrel blanks are heated at the breech end in an induction furnace, and then upset in a horizontal forging machine. This procedure saves 40% of the steel that would have been needed to produce the barrel from a solid bar of uniform diameter.

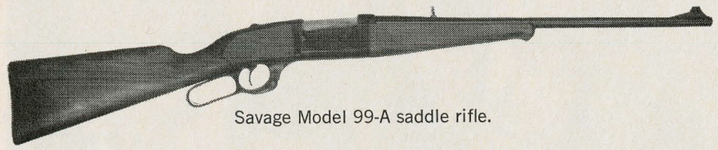
Savage Arms today remains true to the memory of Arthur Savage. They produce his Model 99 rifle with astonishingly few changes. They also adhere to his merchandising concept begun in the 19th Century: "Design and manufacture firearms for American hunters that are safe, reliable, and accurate, but sell them at a reasonable price." This means that some frills are eliminated. You won't find a dozen calibers to choose from in the Models 170 and 340, nor a full range of chokes for every barrel length and gauge in their shotguns. Checkering is deep and sturdy, but not elaborate nor done by hand. Savage stocks are strong. The Savage slogan is "Less money doesn't have to mean less gun."

Receivers for Savage pump shotguns and pump center-fire rifles are machined from blocks of steel rather than nonferrous alloys.

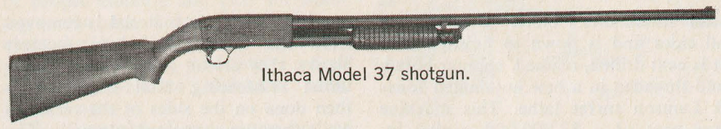




Savage Model 24-C "Camper's Companion."

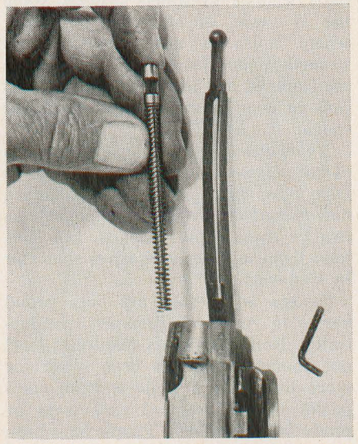


Savage Model 99-A saddle rifle.



Ithaca Model 37 shotgun.

Ithaca Gun Co. is like Savage Arms in several details. Both firms began in upstate New York in the 19th Century, but Ithaca is still there, in Ithaca, N.Y. Both produce a large volume of moderately priced shotguns. Both have taken over other gun making firms with illustrious names. In the case of Savage, the best known are Stevens and Fox. Let's look at the early history of the Ithaca firm.



Ithaca Model 51 shotgun needs no special tools for takedown other than its firing pin; it can be disassembled in under a minute.

Back in 1880, a group of American businessmen and mechanics in upstate New York formed the Ithaca Gun Co. to produce shotguns. For more than 25 years a number of different double-barrel side-by-side shotguns were produced. Retail prices seem low by today's standards, but at that time these guns were selling for from two to as much as five times similar imports from Europe. Quality was high, however, and they sold well.

In 1914, the firm brought out their famous single-barrel trap gun. This shotgun has won more national titles than any other. It's still available if one is willing to pay for superb handwork and wait for months.

On the other hand, a single high-quality, low-volume product cannot keep a firearms manufacturer alive. Ithaca began to branch out after World War I; several moderately priced American-made sporting arms are now in their line. One of their best sellers, the Model 37 pump gun, is old as modern firearms go. It has been produced continuously since 1937, save during the World War II period.

The most exciting new product at Ithaca is their Model 51 semi-automatic shotgun introduced in 1971. It is being received enthusiastically in all sections of the country.

The Ithaca firm also makes moderately priced single-barrel shotguns and some rimfire rifles. They are the sole American distributors for the fine Japanese-made SKB shotguns. Let's concentrate now on their U.S. operations done with both new and middle-aged machinery in a three-story factory on the same site that this company has used for almost 90 years.

Shotgun barrels now produced at Ithaca are made in part from seamless heat-treated tubing. The steel used is of a special analysis similar to SAE 1030 and is cut off to exact length in an automatic machine. The operator then removes burrs from the cut ends and chamfers both ends on another machine. These blanks are then turned precisely on automatic machinery to obtain a good outside finish to close tolerances. Similar tubes are also made by gun drilling solid bars of the same steel, but these have no discernible advantage in strength and quality.

Because of this use of tubing for barrels, I went into it carefully. Why use tubing? If tubing is satisfactory, why use bar stock too? The answers to both questions depend on economics. Tubing costs more than bar stock. Ithaca didn't have the machines to produce from bar stock all the barrels they needed, so they compared the capital cost of more equipment against the price of tubing. Tubing won. If they were starting afresh, they would use tubing only and save the capital necessary to buy, house, and operate drilling machines.

The short tube blanks produced by both methods are now Roto-Forged, the term used at Ithaca to identify their radial hammer forging procedure. The blanks are first heated by induction and then swedged down on a mandrel by blows from four sets of hammers delivered at 610 cycles per minute. This barrel forging machine was made in Austria, and the barrel is processed in a vertical position. The blank is reduced in diameter, but increased in length, in accordance with a "profile" control. This operation produces tough structure in the steel and can be done to close tolerances, but finish is not particularly good. Barrels so produced must be machined both internally and externally.

Shotgun barrels from the type of Roto-Forging machine are turned externally, straightened, and precision cut as required at the breech end. The latter operations for Model 37 and Model 51 barrels, including the breech thread and chamber, are done carefully on expensive machinery and all barrels are

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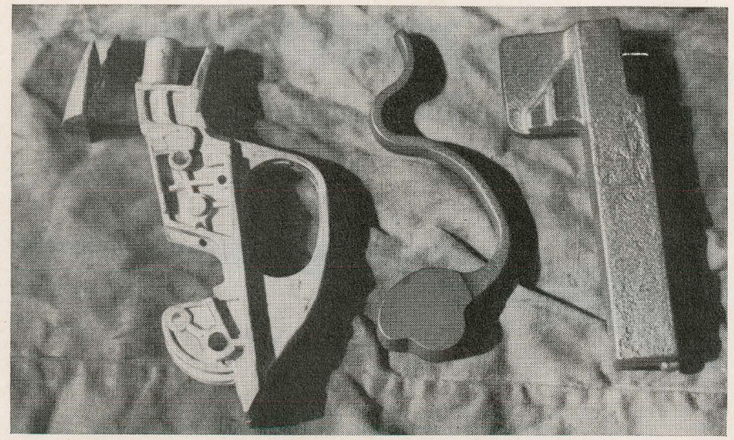
now interchangeable within a model and gauge.

Shotgun barrels at Ithaca are finished internally on vertical spindle reaming machines. There is relatively little stock to be removed on the interior, but three different reamers and a honing head are used. Every barrel is then lead lapped on old, horizontal machines by experienced skillful operators.

There are almost as many ways of choking shotgun barrels as there are major producers of shotguns. At Ithaca, the inside of the barrel is left small at the muzzle end; the projection of the tapered reamers determines the choke. Subsequent honing and lapping do not disturb this configuration for most barrels. Skeet bores are different; Ithaca claims it has the best in the world. Actually, 13 points of choke (.013″) are left in after reaming operations, but this is mostly removed in a special skeet barrel lapping operation. The final constriction is negligible, on the order of .002″, but the finished product is good. This reaming-honing-lapping procedure is not the fastest or cheapest way of making a barrel, but Ithaca feels that so long as they have operators capable of handling work of this sort efficiently, and machines to do it on, they should use both.

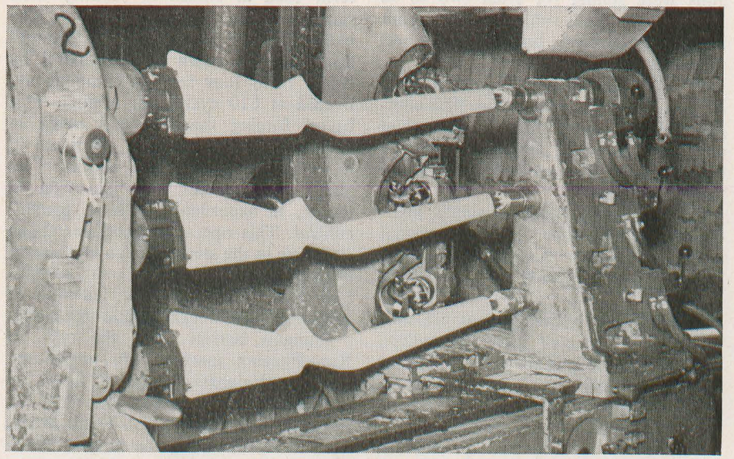
Receivers for the two shotguns are not the same, but they are similar and are produced on the same machines. Receiver blanks are cut from rectangular heat-treated SAE 4140 chrome molybdenum steel bars and are then ground on both sides on a vertical spindle Blanchard grinder where close tolerances can be held. Locating on these ground side surfaces, the top, bottom, and both ends are milled. This solid steel "toolmaker's block" is square on all sides and is down to finished size. It is next drilled, reamed, counter-bored, and threaded in a new automated Jones & Lamson turret lathe. This machine was part of a $2,000,000 capital investment made a year and a half ago at Ithaca to improve quality and reduce cost. It does the job more accurately and faster than the bank of old machines it replaced.



Savage components in the rough (l. to r.): aluminum trigger housing die casting; lever forging for Stevens "Favorite"; Model 99 bolt forging.

Both receivers now go through a number of minor operations, mostly on semi-automatic milling machines, but there is some shaping, drilling, and tapping. New equipment is employed where precision in locating minor holes for drilling is required.

I noticed several things of interest in regard to these secondary operations. For instance, after material is removed from the interior of these receiver blanks, they are all given temporary internal reinforcing. Roll engraving is then done on the sides of the receivers while they are supported internally. The design is impressed by a series of light passes rather than one heavy one.



Savage stocks are roughed and then finish-turned before sanding in three-unit setups like this. Stocks rotate against programmed cutters.

Ithaca still relies on the hand skills of veterans, some of whom have been with the company for more than a quarter century. A few of the younger employees learning their trades at Ithaca are following their fathers and grandfathers.

On the other hand, Ithaca is using newer processes in making guns. The bolt of their new Model 51 semi-automatic shotgun and several other minor parts begin as investment castings. Some use is made of stamping, especially where finish is not important and strength under fatigue is. These parts are stamped and then reduced in thickness in dies to make them hard and tough.

Years ago many firearms components of complicated contour were machined from solid stock in one piece. Ithaca now manufactures these components as two or more separate parts, but then joins them together with silver solder or by spot welding.

Savage and Ithaca are both proud names in American firearms manufacturing. Both companies feature at least one model which has been made for more than half a century. Both companies have introduced new ways of producing old models. People have been buying Savage and Ithaca rifles and shotguns in quantity for more years than most of us have been alive, and and they keep coming back for more. ■

Gearing For A Hunt In The Rockies

Rig choice can make or break a trip to mountainous terrain

By JOHN S. PARKER



A proper rifle and scope are essential for mountain hunting.

DURING the years I operated an outfitting business in the Rocky mountains, I was often asked by prospective clients for a recommended list of proper clothing and gear for hunting in the area. I drew up a standard check list based on my own personal gear. This meant moderately priced equipment able to withstand long, tough usage.

Not long ago, I ran across one of those old lists and submit it here for its possible benefit to hunters contemplating big-game hunting in the Rockies this fall. Though drawn up specifically for the Rockies, it also applies to mountainous country in Canada or Alaska apart from those areas of the extreme North where constant sub-zero temperatures are the rule.

The first essential is the right rifle, and my recommendations here are for big game found in the Rockies—elk, deer, bear, big horn sheep, mountain goat, and an occasional cougar.



Author believes two woolen shirts and medium weight jacket will keep you warm in all but the worst weather.

For sheep and goat, I have found any of the newer, flat trajectory magnums adequate. My personal preference for long-range shooting at sheep or goat is either a .264 Winchester Magnum or a 7 mm. Remington Magnum in a bolt-action rifle glassed with a 3-9X variable scope. The main thing is for the hunter to be familiar with the ballistics of his particular arm, able to cope with its recoil and able to hit game at ranges up to 600 yds.

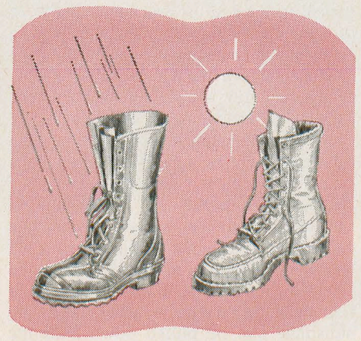
For elk and deer, I recommend at least a .30-'06 or its equivalent. As ranges are apt to be shorter, I suggest peep sights or low-powered scopes. Like most outfitters, I discourage superfluous shooting around hunting areas and always urge hunters to have their firearms sighted-in before they arrive.

Though the variety of game in the Rockies is predictable, the weather is not. On a single fall day, the 4 seasons may pass in review—frost in the morning, abnormally hot weather in the afternoon and freezing sleet or hail by nightfall.

Don't stint on underwear; one pair will surely become wet or dirty before the end of the hunt, so bring an extra suit. My preference runs to the 2-layer, cotton-wool variety, with the cotton layer next to the skin. I buy the 2-piece rather than the trap-door variety and use the tops or bottoms for sleeping garments.

Insulated, quilted underwear is fine for a stand-type hunt, as in a duck blind. But if you move around much, insulated underwear becomes hot, damp, and uncomfortable. When you rest and cool off, clammy underwear can be a health hazard.

Some like all-cotton waffle-weave underwear, but I could never stay warm in it myself. Wool is a much better insulator for normal hunting conditions. However, if you anticipate extreme cold, you might look into the possibility of down-insulated undergarments. Though costly, they are good value in constant sub-zero weather.



It's wise to have boots for both wet and dry weather.

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Six pairs of socks should cover you for a 10-day trip—3 pairs of heavy wool or wool mixture coming to just below the knee and 3 pairs of lightweight cotton or nylon to be worn under the heavy socks.

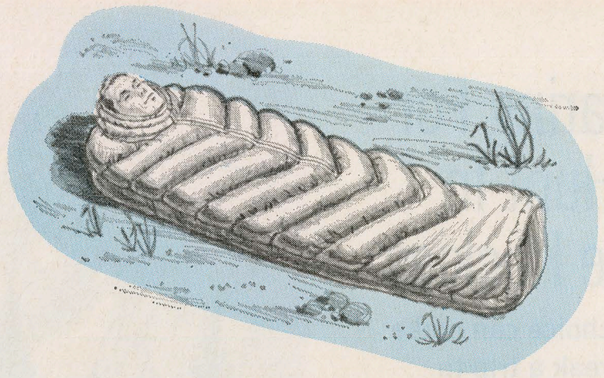
Don't go haywire when buying outer clothing. You can't hunt with ease or comfort buried under pounds of bulky fabric. Buy 2 wool shirts—a lightweight fine-weave shirt to wear tucked into your trousers, a heavier, coarser-weave shirt to wear over it, tail out. This combination works well in all but the coldest weather. Then, slip on a heavy wool sweater between the 2 shirts and top this off with a light jacket or medium-weight coat. With several relatively light-weight garments, you can easily adjust to temperature fluctuations.

Two pairs of good-quality heavy-duty trousers will see you through a hunt. About the only hard-and-fast rule is that they be loose-fitting. A number of styles and materials are adequate, but I would avoid insulated coveralls. They are tops for riding in very cold weather, but are unsatisfactory for any strenuous activity.

A few seasons ago, one of my hunters showed up in trousers made of heavy-duty duck material with big vinyl patches on the seat and knees. What would these dudes think of next? My smug grin evaporated though when I saw the fancy pants in use—the hunter could drop to one knee, or sit on a snow-covered log, and come up dry. So if you see a pair, buy 'em.

"Rocky" is no misnomer for these mountains. This is steep, rough terrain, and a hunter's feet really take a beating. So buy two pairs, all-rubber, insulated snow packs for wet weather and top quality leather hiking shoes with vibram soles for dry. Regardless of manufacturers' claims, I have yet to see a "waterproof" leather boot that can turn a foot or so of wet snow. Be sure to wear heavy wool socks when trying on footwear to insure proper fit.

Hunters owe the U. S. Army a vote of thanks for designing one of the ugliest, warmest, and most versatile items of headgear known to man, the pile-lined winter hat. With ear flaps down, it fits closely around the cheeks, comes down below the collar line at the back and ties snugly under the chin to provide the ultimate in cold weather protection, short of a fur-lined Eskimo hood. The flaps tie up over the head in warm weather, and the sunshade can be pulled down over the eyes or folded back out of the way. This handy green monster will set you back a mere couple of dollars at any

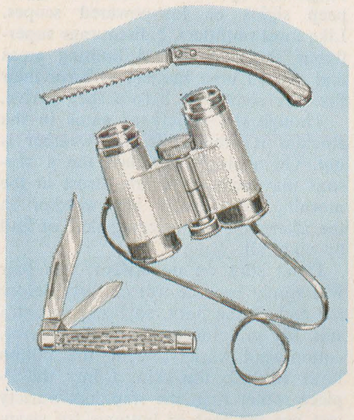


Choose your sleeping bag with care, down insulated if possible.

Army surplus store. At this price you can afford a little icing on the cake, so spray on some waterproofing compound.

As just about every real hunting trip produces at least one freezing rainstorm, a rainsuit is worthwhile insurance. The 2-piece, rubberized nylon fabric suit rates a first place because it is light, tearproof and sheds water as well as its makers claim. I would avoid the hooded type; they tend to impede vision and somehow water manages to get to the flesh.

Handwear should keep hands warm and dry, yet free to work the action and trigger of a firearm. I have tried just about everything on the market without finding one glove or mitten which would satisfy all requirements. Waterproof gloves bathe your hands in sweat; mittens limit the use of the hands; and fabric-lined leather gloves get wet and slick. The best compromise I have found for hunting is a pair of wool-lined leather gloves for cold, dry weather, augmented by several pair of the fuzzy yellow cotton gloves for wet weather. With the latter, you can slip off one pair when it becomes soaked and put on another. Back in camp, you



Also needed are a good binocular, two-bladed pocket knife and bone saw.

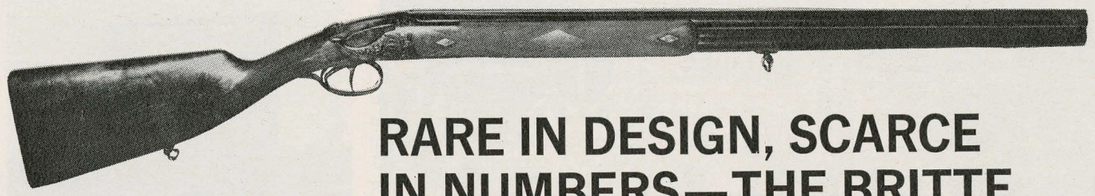
can prop them close to the stove for quick drying and they won't shrink.

Your comfort and efficiency during waking hours are dependent to a great extent on how well you sleep. Without a good night's rest, a hunting trip can be a fatigue-ridden nightmare, so choose your sleeping bag with care. If money isn't a limiting factor, shoot for one of the better down-filled bags. Some of the newer synthetic bags are also adequate. I have had many a satisfactory night's sleep in a 4-lb. dacron bag with wool mummy bag and heavy wool blanket inside. Warmth compensates for this rig's weight and bulk. Another good bet is to stuff an Army surplus down-filled bag inside a cheaper synthetic bag.

If you hold out for a good grade of rubberized fabric, an air-mattress will see you through countless hunting trips. Those with foam pads are comfortable and popular, but are bulky and have a tendency to draw moisture. If you do buy one, make sure the pads are completely enclosed in waterproof fabric of sufficient strength to resist puncture and tearing.

Moving from the soft goods department into hardware, I would strongly recommend: a binocular (easier than scanning for game with a rifle scope) equipped with an elastic chest harness to prevent it from banging against your chest; compass; a folding 2-blade knife (one blade for the initial edge-dulling cuts when skinning game, one for the finishing cuts); and a folding bone saw (fits into the hip pocket and is invaluable for cutting briskets or pelvic bones). Not essential but often useful is a small rucksack, and a cartridge belt that keeps your ammunition cleaner than if you carry it in your pockets. It also prevents mutilation of bullet tips and the game-scaring jangle of metal on metal.

With this gear stowed in a stout canvas duffle bag, you should be prepared for almost anything that chance and Mother Nature may throw at you in the great Rocky Mountains. ■



RARE IN DESIGN, SCARCE IN NUMBERS—THE BRITTE

By C. E. HARRIS

HAMMERLESS shotguns cocked by the movement of the opening lever rather than by opening the barrels are relatively few, as are double guns which open with a lateral or side opening motion of the barrels. The Britte shotgun shown here is very unusual in that it combines these features with several others which are not commonly found in shotguns today, either singly or in combination.

The Britte over-under shotgun incorporates a lateral motion breech mechanism actuated by a side lever. Essentially, the shotgun is a side-by-side double rotated 90° onto its right side. Its internal hammers are cocked by the motion of the action lever, in a manner similar to that used in some double guns produced by Dreyse, Green and Greener during the late 19th Century. The action is so finely fitted that it is in effect "self opening," the force of gravity alone being sufficient to open the action and eject the empties when the opening lever is depressed and the gun rotated.

The lateral motion breech mechanism was not a new idea, but was patented in this country in the 1870's, and has been used by gunmakers in several nations over the years. Dickson, Greener and Dreyse are known to have made lateral opening guns with side levers, and Dickson has made over-under guns of this design, though in 1970 the firm was not making over-under guns. Lefaucheaux lateral opening shotguns utilized an under lever design.

Only 300 were produced

The Britte shotgun, a design no longer made, is a desirable collector's piece because of its rarity as well as its unusual features. Correspondence with the manufacturer indicates that a total of 300 guns were made; 200 in 12-ga. and 50 each in 16- and 20-ga. The firm of Britte S.A., of Liège, Belgium, made a few of these guns which were marketed by Abercrombie & Fitch, Co., of New York. The Britte over-under has not been made since WWII, and the manufacturer no longer produces firearms, but is manufacturing gages and precision tools.

The example shown is beautifully made. It is a 16-ga. with 28″ barrels, bored improved cylinder and modified. It weighs 6¼ lbs., has selective automatic ejectors, double triggers and non-automatic safety. This Britte is stocked in European "Swan Neck" style, having a straight, slim grip with the belly of the buttstock curving back toward the toe of the butt. There is some cast-off and the select French Walnut is complimented by the 22 line-per-inch checkering, which is expertly executed. The fore-end wood is in three pieces, offering a scale, or panel on either side of the barrel. The left scale is in two segments, the forward portion remaining attached to the barrels by screw when the fore-end release is pulled to disengage the scales.

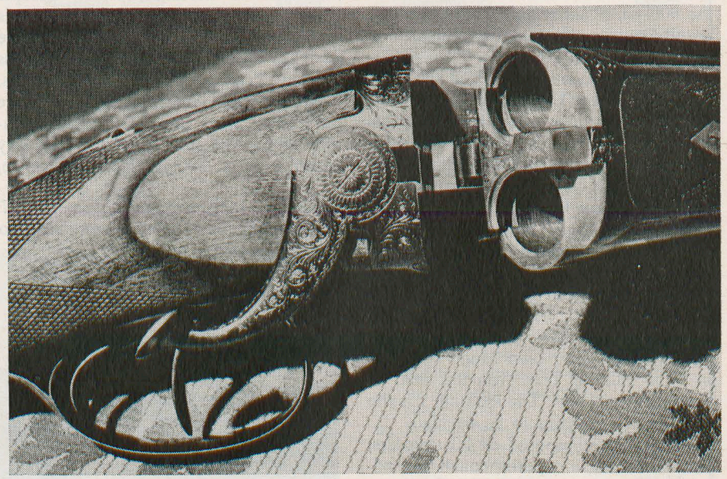
The barrels are topped by a solid, tapered rib. The bluing is deep in color, the action matching the barrels. The chambers are 70 mm. in length, suitable for U.S. 2¾″ 16-ga. ammunition, bearing provisional and definitive Belgian smokeless proofs indicating that the barrels were proofed in 1941 at a pressure of 900 kg./cm², which corresponds to roughly 13,000 p.s.i.

The marking SIEMENS MARTIN MARTELE is visible on the barrels.

According to the present owner, the shotgun handles superbly and is not as tiring in the field as most other over-under guns. He attributes this to the type of construction, which allows a total action height no greater than that of the barrels themselves. It is a very compact and convenient design, despite its odd appearance to those used to conventional shotguns. Because of its desirability as a collector's item, the owner has "retired" it to protect it from possible damage. Those shotguns sold in this country, by Abercrombie & Fitch, were priced around $350 before the war.

The gun was brought to this country after WWII by an American serviceman returning from the vicinity of Kassel, (now West) Germany, which, according to the manufacturer, had been the place of residence of the original owner.

The combination of fine craftsmanship, unusual design and limited production make the Britte over-under shotgun highly desirable and very interesting. ■



View of open action shows side lug construction, compactness of the action, and convenient position of opening lever.

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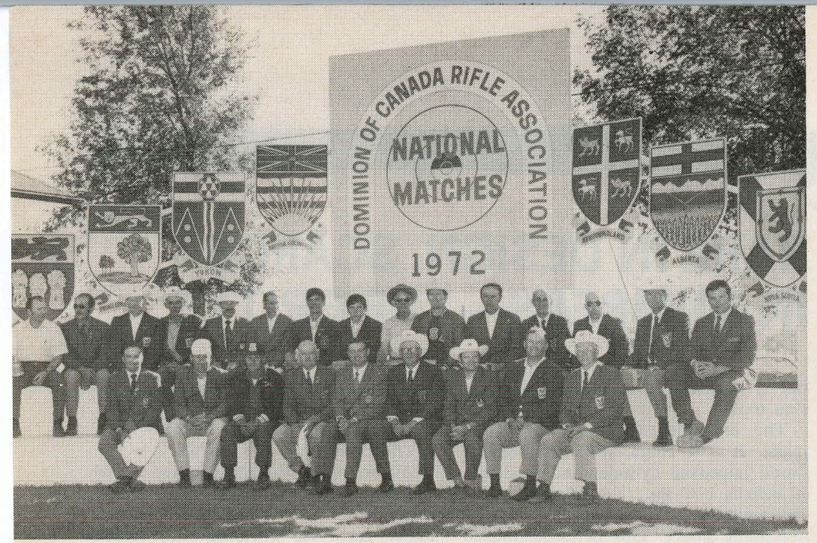
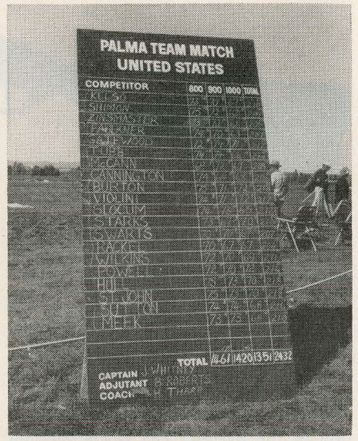




U.S. 1972 Palma Team and, on blackboard in photo at right, their scores. Team members (back row l.-r.) I. Starks, A. J. Shimon, L. G. Rackel, E. Burton, M. J. Hull, E. St. John, G. D. Tubb, W. E. Meek, T. Gatewood, Sr., W. L. Powell, J. Violini, H. L. Slocum, G. D. Sutton, D. Faulkner, S. Zinsmaster. Front row (l.-r.) J. H. Cannington, M. W. Tompkins, M/Sgt. H. C. Tharp, USA (coach), J. C. Whitney (captain), W. T. M. Roberts (adjutant), W. H. Kelso, H. J. Swarts, Jr., J. McCann, L. A. Wilkens.

Canada Wins 900-Shot Palma Match

By C. E. HARRIS
Assistant Editor
THE AMERICAN RIFLEMAN

CANADA won the 1972 Palma Trophy Match for long-range highpower shooting in a two-nation competition with the United States by the narrow margin of 16 points at the Connaught Range near Ottawa, Ontario.

The scores in the close contest, with 4500 points possible, were Canada, 4248, and the United States, 4232. The Canadians took a commanding lead in the 800-yd. phase and the U.S. shooters, despite valiant efforts, failed to overtake them at 900 and 1000 yds.

The match is normally fired on alternate years in the United States and Canada. Participation is limited to teams invited by the host nation and the rifles and ammunition used are designated by the host. This year Canada invited the U.S. and Great Britain. The British reluctantly declined, but fired in other matches and assisted in scoring and officiating at the Palma.

The U.S. won at Connaught in 1969 in a revival of the historic match, which dates back to 1876. The British were victorious on their own range at Bisley in 1970 and the U.S. won last year at Camp Perry, Ohio. The location for the 1973 match remains to be decided.

Teams are composed of 20 shooters, two alternates, a captain, coach and adjutant, with no more than 25% drawn from active-duty armed forces personnel. James C. Whitney, NRA Executive Committeeman from Reseda, Calif., captained the team again this year. M/Sgt. Harry Tharp, of the U.S. Army Marksmanship Training Unit, served as coach and NRA Director W. T. M. Roberts, Los Angeles, Calif., acted as adjutant.

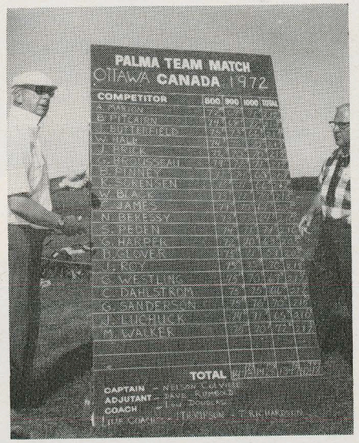
The rifle used this year was a presentation grade of the Sportco 44, manufactured by Omark, Ltd., of Australia. These are single-shot bolt-action rifles in 7.62 mm. equipped with the Parker Hale 5A/99 half-minute rear sight and the SM/159 foresight which accepts Anschutz-type elements. The barrels have a handsome blue finish. Stocks are of teak, oil finished, and are not glass bedded. Trigger pulls are 3½ to 4 lbs.

Most of the American shooters were unfamiliar with the rifle, having handled it for the first time only the day before, on a 200-yd. practice range, with rifles loaned for the purpose. The rifles actually fired were drawn by all competitors the morning of the match. Those used by the U.S. team were aligned with a collimator initially, and then fired at 25 yds. on a short-range zeroing target to give approximate zero for 800 yds.

Rain had drenched the Dominion of Canada Rifle Association's National Matches at Connaught during the preceding week, but the weather cleared Saturday, August 19th, for the shooting of the Governor General's Match, the Canadian equivalent of the President's Match. For the Palma on Sunday, August 20th, the sky was clear. The breeze blew mildly from eight to 10 o'clock shooterwise, requiring sight corrections of two to five minutes. Promptly at 9:00 a.m. the first stage commenced at 800 yds., firing two sighters, then firing

Middleton Tompkins and coach Harry Tharp watch carefully as U.S. shooter Willis Powell prepares to fire the first round downrange at 900 yds.





Score of winning Canadian team was 4248-449V. Canada's high scoring competitor, W. V. Hall (l.) scored 219-23V.

15 rounds for record at each range of 800, 900, and 1000 yds. Five targets are assigned to each team, with a time limit of 102 minutes at each range. Thanks to the excellent coaching, and the use of the collimator, all our shooters got on paper at 800 yds. with their sighters.

The U.S. Team nevertheless got off to a shaky start at 800 yds., losing some points to poor elevation. Later during the stage, play developed in some of the sights. Since the match had commenced, no substitutions could be made. A few Canadian shooters experienced similar troubles. The troubled rifles were jury-rigged with rubber bands to reduce movement, and the firing continued. The U.S. trailed the Canadians by 12 points at the end of the 800 yd. stage.

At 900 yds. the Canadians had a few low scores and one miss, but the match was still close. The U.S. team had trouble with flyers, even from the stronger shooters. The coach and team captain worked diligently to find the source of the problem. It was traced to fouling, so the rifles were all dry-brushed to clean the bore and then wiped with dry patches to remove the loosened fouling. It was obvious that it was going to be a close match.

Tension mounted as the competitors prepared to fire the 1000-yd. stage after the noon lunch break. Though the United States still lagged behind, the match could go either way. A change in the wind or weather could be critical.

The conditions stayed about the same. Shooters from both teams did their best, but there were some low scores and a few misses from both sides. Nothing seemed more strange than the 1000-yd. miss experienced by U.S. shooter Doug Faulkner. The shooter and coach had assumed the round went high, since the next round struck at 12 o'clock. When the match was over, one of the competitor wives who had been working in the pits presented the shooter with his miss. It had struck her cardboard box lunch atop the butts. The round, possibly a ricochet from in front of the butts, did not completely penetrate the cardboard. It almost penetrated the first layer, then bounced off.

When all was over the shooters offered hearty congratulations to each other on a fine match. ■



Britain's G. E. Twine is chaired as winner of the Governor General's Match. Twine used a modified No. 4 rifle with 7.62 mm. barrel to score his win.

1973 Palma Possibilities

Eligibility of shooters for selection as members of the Palma Team is based upon their standing in an aggregate of long range scores in the Army Cup, Air Force Cup and Leech Cup Matches at Camp Perry. Those shooters who are eligible for selection for the 1973 Palma Team are listed below. Final selection will be determined by availability, scores, and the number of civilian and military competitors authorized. Not more than 25% of the team may be military personnel on active duty.

1. **P. J. Wright,** Los Angeles, Calif. 496-29
2. **Richard K. Ilao,** Montclair, Calif. 496-27
3. **William E. Meek,** Upland, Calif. 495-41
4. **CWO Robert L. Goller,** Quantico, Va. 494-32
5. **Ronald G. Troyer,** Williamsfield, Ohio 494-28
6. **Richard J. Vesy,** Youngstown, Ohio 493-32
7. **Laurence F. Moore,** Davenport, Iowa 493-30
8. **Thomas H. Swarthout,** Westland, Mich. 493-25
9. **Robert A. Delcotto,** Chicago Heights, Ill. 492-30
10. **Middleton W. Tompkins,** Long Beach, Calif. 491-33
11. **Rudolph L. Wadekamper,** Faribault, Minn. 491-24
12. **Berneice A. Sugden,** Mayville, Minn. 491-21
13. **James C. Gomo,** North Pomfret, Vt. 490-34
14. **Gerald D. Bayer,** Wilmington, Calif. 490-29
15. **Raymond H. Kerbs,** AMHC, Santee, Ill. 490-29
16. **Jack McCann,** Dorsey, Ill. 490-26
17. **Maurice E. Kaiser,** Arlington, Va. 490-19
18. **Gary E. Tubb,** Canadian, Tex. 489-31
19. **Clinton O. Fowler,** Manassas, Va. 489-29
20. **Glenn Marshall,** Plano, Ill. 489-27
21. **Lt. Col. S. C. Burkhalter,** Lake Forest, Ill. 488-31
22. **AO1 Rufus A. Moore,** NAS Patuxent River, Md. 488-28
23. **SFC M. D. Edmondson,** Ft. Benning, Ga. 488-27
24. **Jack G. Jones,** Akron, Ohio 488-27
25. **CWO2 G. R. Murdock,** Quantico, Va. 488-26
26. **John S. Wadsworth,** Toledo, Ohio 488-22
27. **Kenneth G. Moore,** Upland, Calif. 487-33
28. **Martin J. Hull,** La Habra, Calif. 487-32
29. **CWO3 David I. Boyd, II,** Quantico, Va. 487-28
30. **Tomas M. Schenz,** Mogadore, Ohio 487-26
31. **Lt. Cdr. Ray M. Rogers,** Coeur D'Alene, Idaho 487-26
32. **Sgt. K. R. Cooper,** Quantico, Va. 487-25
33. **S/Sgt. D. Sanchez,** Quantico, Va. 487-25
34. **SFC William F. Lee,** Ft. Benning, Ga. 487-24
35. **Eric M. St. John,** Fullerton, Calif. 487-21
36. **Sgt. L. M. Alcorn,** Quantico, Va. 487-19
37. **Gy/Sgt. Jerry F. Boswell,** Quantico, Va. 486-29
38. **G. David Tubb,** Canadian, Tex. 486-27
39. **CWO G. N. Crane,** Quantico, Va. 486-25
40. **John W. Hawksley,** Los Angeles, Calif. 486-25

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SPORTCO 44—THE PALMA RIFLE, 1972



THE Sportco 44, which was used for the 1972 Palma Trophy Match, differs from U.S. center-fire target rifles in several respects. Most unusual is that the locking lugs fit into recesses in the barrel, rather than in the receiver ring as is usual in most bolt-action rifles.

Because the Sportco was designed to be sold at a minimum price under a ceiling set by requirements of the Australian Rifle Clubs, the exterior finish is somewhat rougher than is customary in this country. In Australia, the rifles are sold directly through the clubs in an effort to keep the price within the reach of as many shooters as possible. In Canada, the rifle is sold through a distributor. The presentation grade rifles used in the match were offered to competitors later at $170.

The standard production rifle has a matte finish similar to Parkerizing, and the action is bedded directly into the teak wood. The barrel is floated, except that the reinforce is bedded with the receiver. It is 26½" long, heavyweight, of chrome molybdenum steel and rifled with a 1-12" twist, having four lands and grooves.

The action is front locking, the locking lugs fitting into recesses in the barrel. It features an extremely short firing pin travel, cocks on opening and features cam operated primary extraction. Bolt heads are interchangeable in increments of .002" for adjustment of headspace. The bolt features a spring-loaded ejector and a coil spring operated claw-type extractor. The bolt handle serves as a safety lug.

The trigger is a crisp, single pull, and is fully adjustable for over-travel, sear engagement and weight of pull. Triggers for the Palma match rifles were adjusted to release at between 3½ and 4 lbs.

Rifles used for the Palma match were equipped with the Parker-Hale 5A/99 aperture sight modified expressly to fit the Sportco. A six-hole adjustable eyepiece is included. The rear sight is graduated in half minutes by clicks and has a vernier scale. A locking screw with knurled knob is provided.

The front sight is provided with a 2 mm. blade and 5 aperture elements: 2.2 mm., 2.5 mm., 2.8 mm., 3.0 mm. and 3.2 mm. The inserts are interchangeable with those made by Anschutz.

The distinguishing features of the Palma version of the Sportco are the highly polished blued finish, 16-line per inch checkering on the teakwood stock, a gold-plated trigger, and the medallion in the butt stock which says PALMA TROPHY MATCH CANADA — 1972 around a maple leaf.

According to Maj. R.W. Hampton of the National Defense Headquarters Rifle Association of Canada, who is also the Canadian distributor for the Sportco, the chamber throat is shorter than in rifles of the same caliber chambered in this country. This is because the rifles are designed for using NATO standard military (not match) ammunition. The bores also tend to run smaller than American rifles. He noted that American rifles, while often superior in workmanship to many rifles commonly fired, give inferior accuracy when used with Canadian ammunition because of the bores being oversized for the ammunition used. The manufacturer's data specify barrels with .3074" minimum to .3084" maximum groove diameter, and .2994" to .3004" land diameter. Factory production tends to be toward the tight side, according to the distributor.

The manufacturer also stated that the receiver should be bedded to bear along its entire length from the rear of the recoil plate to the rear tang. There should be a bearing forward of the recoil plate for a distance of about 1½" under the barrel reinforce. When the front takedown screw is tightened securely, and the rear screw removed, the tang should remain in contact with the wood.

Experience with the rifle in Australia indicated that epoxy bedding did not noticeably improve long range accuracy over a proper wood-to-metal fit. The wood used in the stock is very dense and stable and this, no doubt, contributes to the rifle's fine performance.

The ammunition used was a selected lot of Canadian Service Ball, 7.62 mm., Ball C21, Lot 425, manufactured by Dominion Arsenal, Quebec (DAQ) in 1964. This ammunition is nearly identical to that fired in the Palma Matches at Connaught in 1967 and 1969. It is loaded with a 148-gr. bullet of slightly boattailed form. Shooters remarked that it bucked wind much better than would be expected for so light a bullet, though there were many complaints this year of heavy fouling and both teams suffered from unexplained fliers, especially at 1000 yds.

Throughout the Governor General's Match on the preceding day, the British shooters seemed to have an edge. G. E. Twine, of N. Basingstoke, Hampshire, England, won the Governor General's Match and two other English shooters followed him for second and third place. Despite the complaints of U.S. and Canadian shooters, the English performed well. After the Palma was completed, it was found that the English thoroughly clean their rifles between stages, or at least every 20 rounds. After brushing with nitro solvent, or ammonia, they use a mild abrasive paste on a tight patch and then dry the bore with acetone to remove any residue from the sealant used around the bullet. They felt this made the difference.

It was interesting to note that there were no reported problems with excessive fouling or fliers from the ammunition fired in the 1967 and 1969 matches. This year's ammunition was from a different lot, but manufactured the same year as that fired in 1967 and 1969. Despite the ammunition trouble, this year's winning score of 4248 is 7 points above the highest previous score (4241, fired by the British in winning the 1970 Palma match) on this target.

PLATFORMS AND VIEWS ON GUN CONTROL

REPUBLICAN PARTY PLATFORM

"We pledge to . . .

"Intensify efforts to prevent criminal access to all weapons, including special emphasis on cheap, readily-obtainable handguns, retaining primary responsibility at the State level, with such Federal law as necessary to enable the States to meet their responsibilities.

"Safeguard the right of responsible citizens to collect, own and use firearms for legitimate purposes, including hunting, target shooting and self-defense. We will strongly support efforts of all law enforcement agencies to apprehend and prosecute to the limit of the law all those who use firearms in the commission of crimes."

PRESIDENT RICHARD M. NIXON:

President Nixon's position on firearms coincides with the Republican Party platform, a White House spokesman said, and Mr. Nixon is in full accord with the platform provisions recognizing the right of law-abiding citizens to own arms while intensifying efforts to prevent criminals from getting guns.

(Note: Mr. Nixon spoke out on a nationally televised press conference June 29, 1972, in favor of a Federal law to control "Saturday Night Specials." He said "the problem there is to write the law, the legislation, in such a way that it is precise and deals with that kind of handgun which ought to be controlled. And I'm referring now to the Saturday Night Specials.")

(See *The American Rifleman,* Aug., 1972, p. 54)

DEMOCRATIC PARTY PLATFORM

"There must be laws to control the improper use of handguns. Four years ago a candidate for the Presidency was slain by a handgun. Two months ago, another candidate for that office was gravely wounded. Three out of four police officers killed in the line of duty are slain with handguns. Effective legislation must include a ban on sale of handguns known as Saturday Night Specials which are unsuitable for sporting purposes."

SEN. GEORGE McGOVERN

"The terrible attack on Governor Wallace has once again emphasized the need for measures to control, if not to ban altogether, the sale of handguns. I am a country man from South Dakota and I am aware of the justification in rural areas and among sportsmen, for the ownership of long guns. But I see no justification for the snub-nosed handgun or 'Saturday Night Special' which—let us face it—are designed for threatening or killing people. I think this kind of handgun should be limited to the possession of law-enforcement officers in this country and I would press for the enactment of legislation to bring this about.

"In 1970 handguns were responsible for the death of 500 persons in New York City while in Tokyo—strict gun control being in effect in Japan —the death toll from handguns was three. It is time that this country learned that handguns are used by the fanatic, the robber, the angry man, simply because they are available. It is time to make them unavailable."

(Note: The McGovern statement above was originally published in *Life* magazine June 9, 1972, p. 59, after the attack on Gov. George C. Wallace.)

PLATFORM OF THE AMERICAN INDEPENDENT PARTY

"The Constitution of the United States affords to every citizen the right to keep and bear arms.

"The lawless always secure weapons and the result of disarming our citizens, coupled with judicial emasculation of local police protection, would be to leave the average citizen without protection from the lawless. We support a mandatory jail sentence for anyone using a firearm in the commission of a felony.

"The American Party opposes laws which would deny the right of our citizens to own firearms."

(For the firearms views of the American Independent Party's Presidential candidate John G. Schmitz, see p. 64.)

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HOUSE COMMITTEES MAY DECIDE BAYH BILL FATE

By NRA STAFF

THE big issue on gun control in Congress centered early in September in House committees.

S. 2507, the handgun control bill by Sen. Birch Bayh (Indiana) having been passed by the Senate, rested in the hands of the House Judiciary Committee at the start of the month.

Chairman Emanuel Celler (10th Dist., N.Y.), chairman of the committee, referred the Senate measure to his own special subcommittee for study. A go-ahead from the subcommittee would send the measure to the entire House Judiciary Committee, which would then decide whether to push it further.

Even with approval of the House Judiciary Committee, S. 2507 or a House substitute or equivalent presumably would have to be referred to the House Rules Committee for consideration and a place on the legislative calendar before it could come up for debate and voting by the House itself.

One indication of the opposition that the Bayh Bill might face in the House Rules Committee came when Rep. William R. Anderson (6th Dist., Tenn.), a member of the committee, expressed the hope that "this very poorly drawn" measure would be killed by the Rules Committee. Rep. Anderson, a former U.S. Navy captain who commanded the submarine *Nautilus* on an epic cruise under the Arctic icecap to the North Pole in 1958, commented shortly after he took out an NRA Life Membership. Later he told WLAC Correspondent Sarah McClendon that he had seen in the NRA Firearms Museum a $250 handgun, a collector item, which was one of many high-quality arms that would be banned from sale by the Bayh Bill. Others in Congress voiced similar objections that the Bayh Bill would outlaw the sale of many fine handguns used legitimately by law-abiding citizens.

Meanwhile:

1. The Congress toiled toward an early adjournment this fall to permit the lawmakers who are up for reelection to go home and garner votes.

2. A growing storm of opposition to the Bayh Bill from NRA Members and gun owners in general struck Capitol Hill and made itself felt.

A number of U.S. Senators and Representatives commented recently on the Bayh Bill, which the Senate passed on Aug. 9.

Sen. Richard S. Schweiker (Pa.): "The reason I voted against this legislation, which passed the Senate by a vote of 68-25, is that I feel it unfairly restricts the rights of law-abiding sportsmen and other citizens. I have consistently pledged not to support legislation which would restrict the rights of law-abiding citizens to purchase and possess firearms without cutting down on criminal activities.

"The crucial element of this legislation is the so-called 'sporting purpose test.' The bill prohibits the sale and distribution of handguns which are not 'generally recognized as particularly suitable for or readily adaptable to sporting purposes.' This test is inadequate. It does not consider that many citizens, for example, keep handguns for personal protection, rather than for sporting uses. We should not deny them this right to personal protection."

Sen. Lowell Weicker (Conn.): "Recently, WCBS-TV expressed editorial approval of the Senate's passage of Birch Bayh's gun control bill, and, in disapproving my negative vote, asked why. Well, here's why:

"First, my job is to vote for meaningful laws, not philosophical bicarbonate of soda.

"Secondly, the stated objective of gun controls is to keep guns out of the hands of the Bremers, Sirhans, Rays, and Oswalds, while allowing the Weickers, Harpers, and Juliannis to use shotguns and pistols and rifles in a safe and lawful manner. This the Bayh Bill does not do.

"Thirdly, the problem of the narcotic addict, criminal and mentally unbalanced acquiring firearms is not closer to a solution because of the passage of this bill. But the fact the public now thinks it is explains why many Senators who normally vote against gun control legislation voted for this innocuous measure.

"Lastly, consider this. The Hart Amendment banning all handguns was defeated 84 to seven. And the Kennedy Amendment, calling for total registration, was defeated 78 to 11. Agree or not, those two measures represented gun control and, in one instance, confiscation. On the other hand, the Bayh Bill passed 68 to 25. Why? Because there was enough nothing to create a majority vote on the Senate floor. If 'nothing' is WCBS-TV's bag, keeping firearms from narcotic addicts, criminals and the insane, continues to be mine."

Rep. Philip M. Crane (13th Dist., Ill.): "I am pleased to report that I shall oppose passage of S. 2507, which would prohibit the sale of firearms other than rifles and shotguns."

Rep. John G. Schmitz (35th Dist., Calif.): "By quite little amendments decreasing the point totals for components that, as the bill is now written, would take a gun out of the prohibited category, more and more handguns could be classified as Saturday Night Specials and prohibited until the purchase of almost any handgun by a private citizen became illegal.

"And just this is the ultimate objective of the most vocal supporters of the bill, as some of them have openly revealed in saying that they are not pushing for outright prohibition of handguns now only because they believe this bill is the farthest Congress is likely to go in that direction this year."

Congressman Schmitz, an NRA Member, is the Presidential candidate of the American Independent Party.

Rep. Ray Roberts (4th Dist., Tex.): "I opposed the Federal Gun Control Act of 1968 from the beginning, and you may be assured that I will continue to oppose any and all legislation which would restrict the ownership of guns."

Rep. Robert L. F. Sikes (1st Dist., Fla.): "I am a strong supporter of the right-to-bear arms principle and I have always opposed unfair and unduly restrictive gun controls. You may be assured that I shall continue my fight against unnecessary legislation. I think we have ample laws already on the statute books if they were properly enforced. A strong effort will be made to further restrict the ownership and use of firearms, but there are a number of us here in the Congress who will do all we can to prevent passage of such legislation."

Rep. John Melcher (2nd Dist., Mont.): "I share your opposition to the bill which contains many inconsistencies and fuzzy definitions. I will do all I can to see that it is not adopted. In addition, I hope that Congress will concentrate on passing laws to prevent criminals from using guns to commit crimes and stop trying to interfere with the right of law-abiding citizens to own and bear arms."

H.R. 16220, by Rep. O. C. Fisher (21st Dist., Tex.), would amend chapter 44 of title 18 of the U.S. Code (respecting firearms) to penalize the use of firearms in the commission of any felony and to increase the penalties in certain related existing provisions. To House Judiciary Committee.

H.R. 16525, by Rep. James W. Symington (2nd Dist., Mo.), would amend chapter 44 of title 18 of the U.S. Code (respecting firearms) to penalize the use of firearms in the commission of any felony and to increase the penalities in certain related existing provisions. To House Judiciary Committee.

THANKS TO OUR MEMBERS

Compliments to those thousands of NRA members who exercised their rights of citizenship by expressing to elected representatives their opinions regarding the Bayh Bill (S. 2507) and pending firearms legislation. So many have sent NRA copies of their letters and telegrams that personal acknowledgement and thanks is impossible. To all who did so, we take this method of expressing appreciation.

PUBLIC OPINION

The National Convention of the Sons of Confederate Veterans recently resolved in Savannah, Ga. to urge repeal of the Federal Gun Control Act of 1968, that no further gun legislation be enacted by the Congress to disarm the citizens of this Nation and that the courts rigidly enforce existing penalities for those criminals using guns to commit crimes.

The *Oakland Tribune* Oakland, Calif. reported recently that 57% of its readers responding to a public opinion poll oppose a proposed law against the sale of so-called "Saturday Night Special" handguns and 43% favor it.

A resolution calling for stricter national gun control laws proposed by Lt. Gov. James H. Brickley (Mich.) died in the resolutions committees at the National Conference of Lieutenant Governors when a poll of the committee indicated that eight of the 12 lieutenant governors on the committee opposed the resolution. One of the lieutenant governors, Lt. Gov. Richard E. Folz of Indiana, the State Sen. Birch Bayh represents in the U.S. Senate, reportedly said that Sen. Bayh does not reflect the feelings of his constituency. "The people of Indiana do not care for gun control legislation," he stated. "We already have sufficient State laws in Indiana."

Rep. Wright Patman (1st Dist., Tex) recently stated that "we are told by the anti-gun lobbyists that Article II of the U.S. Constitution refers only to the Militia, and does not protect 'the right of the people to keep and bear arms.' Why, then, did so many States, both north and south (like Virginia, North Carolina, New York, Rhode Island) in recommending this Amendment (Article II) clearly state the right to bear arms applied to all the people? The New Hampshire version was perhaps the most forthright in stating: 'Congress shall never disarm any Citizen unless such as are or have been in Actual Rebellion.' In my opinion, the question of gun controls should be left to the individual States."

HOW SENATORS CUT DOWN BAYH BILL AMENDMENTS

Senators voting for the amendment by Sen. Philip A. Hart (Mich.) to ban the private possession of all handguns were:
Brooke (Mass.), Harris (Okla.), Hart (Mich.), Kennedy (Mass.), Ribicoff (Conn.), Tunney (Calif.) and Williams (N.J.).

Senators voting against the handgun ban:
Aiken (Vt.), Allen (La.), Allott (Colo.), Anderson (N. Mex.), Bayh (Ind.), Bellmon (Okla.), Bennett (Utah), Bentsen (Tex.), Bible (Nev.), Boggs (Del.), Brock (Tenn.), Buckley (N.Y.), Burdick (N. Dak.), Byrd (Va.), Byrd (W. Va.), Cannon (Nev.), Case (N.J.), Chiles (Fla.), Church (Idaho), Cook (Ky.), Cooper (Ky.), Cotton (N.H.), Curtis (Nebr.), Dole (Kans.), Dominick (Colo.), Eagleton (Mo.), Eastland (Miss.), Edwards (La.), Ervin (N.C.), Fannin (Ariz.), Fong (Hawaii), Fulbright (Ark.), Goldwater (Ariz.), Griffin (Mich.), Gurney (Fla.), Hansen (Wyo.), Hartke (Ind.), Hatfield (Oreg.), Hollings (S.C.), Hruska (Nebr.), Humphrey (Minn.), Inouye (Hawaii), Jackson (Wash.), Jordan (N.C.), Jordan (Idaho), Long (La.), Magnuson (Wash.), Mansfield (Mont.), Mathias (Md.), McClellan (Ark.), McGee (Wyo.), McGovern (S. Dak.), McIntyre (N.H.), Metcalf (Mont.), Miller (Iowa), Mondale (Minn.), Montoya (N. Mex.), Moss (Utah), Nelson (Wis.), Packwood (Oreg.), Pearson (Kans.), Percy (Ill.), Proxmire (Wis.), Randolph (W. Va.), Roth (Del.), Saxbe (Ohio), Schweiker (Pa.), Scott (Pa.), Smith (Maine), Sparkman (Ala.), Spong (Va.), Stafford (Vt.), Stennis (Miss.), Stevens (Alaska), Stevenson (Ill.), Symington (Mo.), Talmadge (Ga.), Thurmond (S.C.), Tower (Tex.) and Weicker (Conn.).

Senators not voting on the Kennedy amendment were:
Baker (Tenn.), Beall (Md.), Cranston (Calif.), Gambrell (Ga.), Gravel (Alaska), Harris (Okla.), Javits (N.Y.), Mundt (S. Dak.), Pell (R.I.), Taft (Ohio) and Young (N. Dak.).

Senators voting for the amendment by Sen. Adlai E. Stevenson III (Ill.) to require the registration of all handguns and the licensing of all handgun owners were:
Brooke (Mass.), Case (N.J.), Cooper (Ky.), Fong (Hawaii), Hart (Mich.), Hughes (Iowa), Javits (N.Y.), Kennedy (Mass.), Mondale (Minn.), Muskie (Maine), Pastore (R.I.), Percy (Ill.), Ribicoff (Conn.), Stevenson (Ill.), Tunney (Calif.) and Williams (N.J.).

Senators voting against handgun registration:
Aiken (Vt.), Allen (La.), Allott (Colo.), Anderson (N. Mex.), Bayh (Ind.), Beall (Md.), Bellmon (Okla.), Bennett (Utah), Bentsen (Tex.), Bible (Nev.), Boggs (Del.), Brock (Tenn.), Buckley (N.Y.), Burdick (N. Dak.), Byrd (Va.), Byrd (W. Va.), Cannon (Nev.), Chiles (Fla.), Church (Idaho), Cook (Ky.), Cotton (N.H.), Cranston (Calif.), Curtis (Nebr.), Dole (Kans.), Dominick (Colo.), Eagleton (Mo.), Eastland (Miss.), Ervin (N.C.), Fannin (Ariz.), Fulbright (Ark.), Goldwater (Ariz.), Gravel (Alaska), Gurney (Fla.), Hansen (Wyo.), Hartke (Ind.), Hatfield (Oreg.), Hollings (S.C.), Hruska (Nebr.), Humphrey (Minn.), Inouye (Hawaii), Jackson (Wash.), Jordan (N.C.), Jordan (Idaho), Long (La.), Magnuson (Wash.), Mansfield (Mont.), Mathias (Md.), McClellan (Ark.), McGee (Wyo.), McIntyre (N.H.), Metcalf (Mont.), Miller (Iowa), Mondale (Minn.), Montoya (N. Mex.), Moss (Utah), Nelson (Wis.), Packwood (Oreg.), Pearson (Kans.), Proxmire (Wis.), Randolph (W. Va.), Roth (Del.), Saxbe (Ohio), Schweiker (Pa.), Scott (Pa.), Smith (Maine), Sparkman (Ala.), Stafford (Vt.), Stennis (Miss.), Stevens (Alaska), Symington (Mo.), Taft (Ohio), Talmadge (Ga.), Thurmond (S.C.), Tower (Tex.), Weicker (Conn.) and Young (N. Dak.).

Senators not voting on the Stevenson amendment were:
Baker (Tenn.), Edwards (La.), Gambrell (Ga.), Griffin (Mich.), Harris (Okla.), McGovern (S. Dak.), Mundt (S. Dak.), Pell (R.I.) and Spong (Va.).

STATES

CALIFORNIA

Assembly Joint Resolution No. 39, by Bob Moretti, to memorialize the President and Congress to enact the Bayh Bill (S. 2507), has been placed on the inactive file.

Assembly Bill 2357, by Dixon Arnett, would severely restrict those instances in which homicide by public officers and others would be justifiable.

LOUISIANA

House Bill 464, by Wilbert Joseph Tauzin II and others, to lower the age of majority from 21 to 18 for the right to purchase firearms, has been signed into law.

MARYLAND

Fifty-five of 95 persons searched under the controversial "stop-and-frisk" provision of Maryland's new handgun-carrying law reportedly were arrested for handgun violations during the first two months (March 27 to May 30) the law was in effect.

Maryland State Police Superintendent Thomas S. Smith informed a Maryland lawmaker, Delegate J. Hugh Nichols, that it would seem that a handgun target shooter who takes his handgun to work unloaded and encased and then goes target shooting would not be required to have a license to carry under the Maryland handgun law. Smith wrote Del. Nichols, who inquired in behalf of a constituent, that if the handgun owner "is able to properly identify himself, we do not believe that any officer would seriously question such activity."

LOCAL

HIGHLAND PARK, ILL.

By a vote of 3-2, the Highland Park, Ill. City Council rejected on Aug. 14 a proposal by Councilman Dan Brusslan to register all handguns and to require handgun owners to attend "gun safety schools." The proposal had caused homeowners and sportsmen particular concern since its introduction on May 8 because its sponsor had forewarned that he would push for an eventual ban of all handguns in the city. The four-month controversy saw two public hearings on the subject dominated by opposition speakers and the sudden termination of police-range shooting privileges of one gun club, the Highland Park Rifle and Pistol Club, which had opposed the measure.

INTERNATIONAL

IRISH REPUBLIC

As part of Prime Minister Jack Lynch's crackdown on the Irish Republican Army, Justice Minister Des O'Malley recently ordered that all revolvers, pistols and rifles of more than cal. .22 be surrendered to police by Aug. 6. Only shotguns were exempted. Police now reportedly say that more than 70% of the licensed military-type firearms in the Irish Republic were handed in prior to the deadline. ■

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All NRA Members . . .

RECOMMEND YOUR DIRECTORS

NRA Annual Members Meeting, Washington, D.C., March 31, 1973

ALL NRA members, Annual and Life, individual and organizational, have this opportunity and are urged to recommend for consideration as nominees for election to the NRA Board of Directors members whom they feel to be well qualified.

The right to hold the office of Director is limited to NRA Life Members, Endowment Members, Patrons and Benefactors.

All recommendations submitted by Nov. 3, 1972, will be turned over to the Directors Nominating Committee which has been appointed by the President of the NRA as follows: Dr. Alonzo H. Garcelon, Chairman, 133 State St., Augusta, Maine 04330; George R. Whittington, Vice Chairman, 505 Amarillo Building, Amarillo, Tex. 79101; P. L. Shumaker, 393 East Kanawha Ave., Columbus, Ohio 43214; Dr. Herbert M. Aitken, 532 Summit Ave., Eau Claire, Wis. 54701; Frank O. Foote, Rural Route 1, Axtell, Nebr. 68924; Harry Reeves, P.O. Box 428, Andrews, N.C. 28901; S. Dan Juliani, 50 Griswold Dr., West Hartford, Conn. 06119; Tom W. Riley, 10 Lloyd Lane, Orinda, Calif. 94563; G. Edward Damon, 3408 N. Potomac St., Arlington, Va. 22213.

The Committee will carefully evaluate the recommendations made and will select a list of nominees whose names will appear on the mail ballot. This will be sent out to all voting members of the NRA shortly after the first of the year.

For details of the operation of the Directors election procedure, read carefully the explanation on the next page.

Listed are the members presently constituting the NRA Board of Directors shown in three groups according to the expiration of their term of office. You may, if you wish, recommend any of the present Directors whose terms expire in 1973. Do not recommend any of those whose terms of office expire in 1974 or 1975.

You may recommend as many persons as you wish, and you may supplement your recommendation with any background or biographical material which you feel will be helpful to the Directors Nominating Committee in arriving at its decision. Additional copies of the recommendation form are available on request from NRA Headquarters, 1600 Rhode Island Avenue, N.W., Washington, D.C. 20036.

If you are in doubt as to the membership status of any person whom you wish to recommend as a nominee for election to the NRA Board of Directors, submit the recommendation and the membership status will be checked in Washington.

Photos and brief biographies of Directors whose terms expire in 1973 appear on pages 68 and 69.

OFFICERS OF THE ASSOCIATION

President
Fred M. Hakenjos

1st Vice President
C. R. Gutermuth

2nd Vice President
Merrill W. Wright

Executive Vice President
Maxwell E. Rich

Executive Director and Treasurer
Louis F. Lucas

Secretary
Frank C. Daniel

THE NRA BOARD OF DIRECTORS

The NRA Board of Directors consists of 75 NRA members (Life, Endowment, Patron, or Benefactor) elected by mail ballot by the membership of the Association entitled to vote. Directors are elected for a term of three years. The term of office of one-third of the Board of Directors (25) expires each year.

The Board of Directors has general charge of the affairs and property of the Association. In annual meeting, the Board of Directors formulates and establishes the broad policies and programs under which the Association operates; it elects the officers of the Association, the Executive Committee, and the Executive Council. The Board of Directors has sole authority to amend the Bylaws of the Association.

Persons recommended for election to the NRA Board of Directors, in addition to being eligible to hold the office, should be persons well known and respected in their communities, with a broad experience and background in the affairs of the Association, and with the time necessary to devote to such NRA activities as attending the annual meeting of the Board.

Terms Expire in 1973

Nathan R. Arenson (Florida)
Horace J. Brown, Jr. (California)
Alice H. Bull (Washington)
William F. Camp (Ohio)
F. Bob Chow (California)
Byron Engle (Washington, D.C.)
C. R. Gutermuth (Washington, D.C.)
John Harness (California)
Raymond Hoem (Montana)
Carl E. Kastner (New Jersey)
Edgar M. Ketchie, Sr. (North Carolina)
Robert J. Kukla (Illinois)
John B. Layton (Washington, D.C.)
Robert L. Lindahl (Michigan)
Lloyd M. Mustin (Virginia)
N. Riley Plunkett (Texas)
Edwin I. Reiten (North Dakota)
John E. Rhea (Washington, D.C.)
Clark L. Ruffner (North Carolina)
Stuart H. Russell (Oklahoma)
Michael C. Santanello (Florida)
William J. Sutton (Virginia)
Mark Swain (Nevada)
Charles F. Wolff (New York)
Merrill W. Wright (Massachusetts)

Terms Expire in 1974

Ben Avery (Arizona)
Louis A. Benton (Colorado)
Sheldon Brown (New York)
Giles W. Crisler (Mississippi)
John D. Dingell (Washington, D.C.)
Frank O. Foote (Nebraska)
Alonzo H. Garcelon (Maine)
Gerald W. Griffin (Texas)
Fred M. Hakenjos (California)
Donald M. Higgins (New Jersey)
James R. Holden (Arizona)
Harry C. Hoy (Tennessee)
K. Lambert Kirk (California)
Robert S. Lichtenberger (Pennsylvania)
Eugene C. Ludin (New York)
William T. M. Roberts (California)
Paull L. Shumaker (Ohio)
Julian W. Smith (Michigan)
Henry A. Spalding (Kentucky)
Garth F. Steltenpohl (Oregon)
Gene E. Taylor (Iowa)
James C. Whitney (California)
Wilbur L. Withrow (Illinois)
William C. Wolf (New Mexico)
Henry L. Woltman (Minnesota)

Terms Expire in 1975

Herbert M. Aitken (Wisconsin)
Gary L. Anderson (Nebraska)
M. J. Bays, Jr. (Idaho)
Charles E. Boomhower (California)
Ray Burden (Oregon)
Kent B. Crane (Washington, D.C.)
Edward B. Crossman (Virginia)
Dewey Godfrey (Texas)
Herbert D. Gwinn (California)
Lowell M. Higgins (Colorado)
Leslie E. Lahr, Sr. (California)
William Loeb (New Hampshire)
Charles E. Lyman, 3rd (Connecticut)
Joseph A. Nava (Alaska)
Donald C. Odegard (Virginia)
Harry Reeves (North Carolina)
James E. Reinke (Maryland)
Irvine W. Reynolds (California)
Robert J. Robel (Kansas)
Charles A. Sanders (Indiana)
James C. Schooler (South Dakota)
James F. Stone (Wyoming)
Edwin B. Topmiller, Sr. (Georgia)
Ernest H. Williamson (Pennsylvania)

The following information has been, for brevity, abstracted from Article Three of the Bylaws of the Association, pertaining to the election of Directors. A printed copy of the entire Bylaws will be provided any member who requests same of the Secretary and who accompanies his request with a return addressed stamped envelope.

ELECTION PROCEDURE

1. The Secretary is required, at least 120 days prior to each annual Members Meeting, to notify all NRA members (individual and club—Annual and Life) of the date and place of the annual Members Meeting and to provide a blank form requesting the recommendations of suitable nominees to be considered by the Nominating Committee for election to the Board of Directors. This page constitutes that required notice.

2. These recommendations must be returned to the Secretary not later than November 3, 1972.

3. The President of the Association is required to appoint a Directors Nominating Committee consisting of not less than 5 nor more than 11 members of the Association entitled to vote.

4. At least 70 days prior to the annual Members Meeting, the Nominating Committee is required to select a list of nominees containing not less than as many names as there are vacancies to be filled on the Board.

5. At least 60 days prior to the annual Members Meeting the list of names selected by the Nominating Committee, together with a biographical sketch of each nominee, must be published in THE AMERICAN RIFLEMAN.

6. Not less than 45 days prior to the annual Members Meeting the Secretary must mail a printed ballot to each member of record entitled to vote (Life Members, Endowment Members, Patrons, and Benefactors). The ballot must contain the list of names proposed by the Nominating Committee and must, in addition, provide blank spaces for 'write-in' nominations equal in number to the vacancies to be filled.

7. The mail ballot, properly executed by members eligible to vote, must be returned to the Secretary at least 15 days prior to the annual Members Meeting.

MAIL THIS FORM TO REACH NRA BY NOVEMBER 3, 1972.

Copies of this form are available on request.
If you do not want to cut this coupon out of the magazine, send in a letter or postcard with the same information.

To the 1973 Directors Nominating Committee
1600 Rhode Island Ave., N.W., Washington, D. C. 20036

I recommend the following individual for consideration as a nominee for election to the NRA Board of Directors at the 1973 Annual Members Meeting:

Name ..... Age.....

Home Address .....

City ..... State ..... Zip Code.....

Occupation or Profession .....

My Name .....

Address .....

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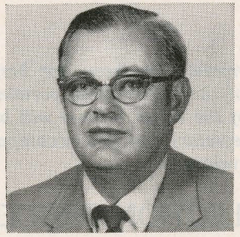
C. R. Gutermuth, Washington, D. C. Dr. Gutermuth, serving currently as NRA First Vice President and President of the World Wildlife Fund (U.S.), formerly held the position of Vice President in the Wildlife Management Institute from 1946 until his retirement in 1971. Secretary of the North American Wildlife Foundation, Dr. Gutermuth is also a Trustee and Honorary Member of the Wildlife Society and the American Association for the Advancement of Science. He holds a Life Membership in the Izaak Walton League and Honorary Life Memberships in other conservation groups.
NRA Committee Membership: Grant-in-Aid (Chairman), Planning.



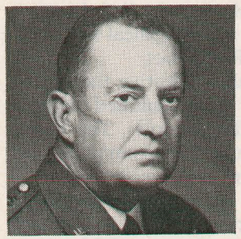
Merrill W. Wright, Worcester, Mass. Mr. Wright, 2nd Vice President of the NRA, is President and Chairman of the Board of G. F. Wright Steel and Wire Co., Worcester, Mass. He is Vice President of the Massachusetts Arms Collectors, a Life member of the State Rifle and Pistol Association of Massachusetts, the Maine Pine Tree State Rifle and Pistol Association, the Illinois State Rifle Association and the California Rifle and Pistol Association. Besides serving as Secretary of the New England Police Revolver League, Inc., he is an NRA Training Counselor, an NRA Official Referee and a Police Firearms Instructor.
NRA Committee Membership: Planning.



Charles F. Wolff, Kenmore, N.Y. Mr. Wolff, who recently retired as Superintendent of the Kenmore Department of Public Works, holds a Lifetime Master Classification for both high power and pistol shooting. He is a former member of the New York State High Power and Pistol Teams, a past President of the New York State Rifle and Pistol Association, President of the Niagara Frontier Pistol League, and President of the Buffalo Revolver and Rifle Club. He is an NRA Referee, International Referee and a Certified Rifle and Pistol Police Instructor and Counselor.
NRA Committee Membership: Pistol and Revolver (Chairman), Competition Rules and Programs.



Byron Engle, Washington, D.C. Director of the Office of Public Safety, Agency for International Development, U.S. Department of State, Mr. Engle has served in foreign police administration for the past 26 years. Prior to serving overseas, he was Director of Personnel and Training of the Kansas City, Mo., Police Department. He was assigned as a police administrator for the Supreme Command, Allied Powers, Tokyo, Japan, for five years. He later was Chief of the Police Advisory Group in Ankara, Turkey, and also served in the United Nations Command in Tokyo as Chief Police Administrator.
NRA Committee Membership: Law Enforcement Assistance, Firearms Legislation, Protest (Vice Chairman).



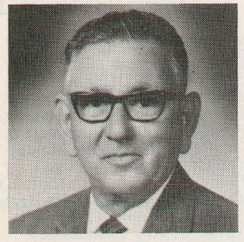
Clark L. Ruffner, Lake Toxaway, N.C. General Ruffner, USA (Ret'd), was a railroad executive following his retirement from the Army in 1962. He served as Commander of the 2nd Infantry Division; Commanding General of Army Forces, Pacific; Commanding General of the 2nd Armored Division, Germany; Commanding General of the 3rd U.S. Army; and U.S. Representative to the NATO Military Committee and Standing Group.
NRA Committee Membership: Public Relations.



William F. Camp, Canton, Ohio. Proprietor of an art restoring firm, Mr. Camp has made many radio and TV appearances presenting the NRA's position on firearms legislation. He is an NRA Lifetime Master in indoor and outdoor smallbore rifle, and holds a Sharpshooter rating in high power rifle. He is Secretary-Treasurer of the Eastern Ohio Rifle League, and chief firearms instructor for the Stark County Sheriff's Department.
NRA Committee Membership: Membership.



John Harness, Selma, Calif. A petroleum distributor and rancher, Mr. Harness has been President of the Valley Shooting League for 18 years. He is a past President, Executive Councilman and Honorary Life Member of the California Rifle and Pistol Association, Inc., a Distinguished Rifleman (1936), and active high power competitor. Mr. Harness also has represented the NRA on television and radio.
NRA Committee Membership: State Association (Chairman), High Power.



Michael C. Santanello, Miami, Fla. A retired paint manufacturer, Mr. Santanello is a Lifetime Director and Past President, Palmetto Pistol Club, and former Director, Fla. State Pistol Association. He is an NRA-Certified Pistol Instructor, and a member in the Dade County Sports Park Association, the Palmetto Rifle Club and the Coral Gables Police Pistol Club. He is the Tournament Director of the annual Palmetto Pistol Matches.
NRA Committee Membership: Pistol & Revolver; Membership.



N. Riley Plunkett, Fort Worth, Tex. Owner of a construction firm, Mr. Plunkett is a past President of the Texas State Rifle Association, the Fort Worth Rifle and Pistol Club, and the Fort Worth Gun and Skeet Club. He is an active pistol, high power, and shotgun competitor and has won the Distinguished Pistol Shot Badge, the Elihu Root Award, and was a member of the President's Hundred in 1963-64. He was also Class A North American Claybird Doubles Champion 1970.
NRA Committee Membership: High Power (Vice Chairman).



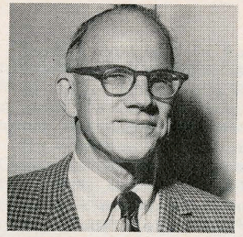
John E. Rhea, Washington, D.C. Executive Director of the African Wildlife Leadership Foundation and Vice President of Game Conservation International, Mr. Rhea is a past president of the Boone and Crockett Club. He rose through the ranks to become a Lieutenant Colonel at the close of World War II, later serving as Military Governor in Bavaria and as a Military Attache in Bulgaria, Greece and Turkey.
NRA Committee Membership: Hunting and Conservation, Grant-in-Aid (Vice Chairman).



Robert L. Lindahl, Trenton, Mich. Mr. Lindahl, a consulting acoustical engineer, is a former President of the Trenton Pistol and Rifle Club and the Crescent City Pistol and Rifle Club. An NRA-Certified Rifle, Pistol and Hunter Safety Instructor, Mr. Lindahl also competes actively in smallbore and high power shooting. He has authored many articles on construction and soundproofing of rifle and pistol ranges.
NRA Committee Membership: Firearm Safety (Chairman).



F. Bob Chow, San Francisco, Calif. Mr. Chow, owner of F. Bob Chow's Gun Shop, is the Executive Director and former President of the Presidio Gun Club, a member of the Executive Committee of the California State Rifle and Pistol Association, and a Director of the U.S. Revolver Association and the United Revolver Club. He is an active competitive pistol shooter and former member of U.S. Olympic and International Pistol Team.
NRA Committee Membership: Membership (Vice Chairman), Pistol and Revolver (Vice Chairman).



Lloyd M. Mustin, Alexandria, Va. Vice Admiral Mustin retired in 1971 after 39 years commissioned service which included duty on cruisers and destroyers and assignments as director of Operations for Joint Chief of Staff assistants; Commander Amphibious Force, Atlantic Fleet; and Director, Defense Nuclear Agency. An NRA member since 1933 with a long interest in hunting and conservation, he also has been a leader in service marksmanship training and competition and is serving in a third appointment to the National Board for Promotion of Rifle Practice.
NRA Committee Membership: High Power, Protest.



Edwin Reiten, Cooperstown, N. Dak. An active high power, smallbore and benchrest competitor, Mr. Reiten is a past President of the North Dakota State Rifle and Pistol Association and a former Secretary of the Atchison Gun and Pistol Club. He was State Gallery Rifle Champion in 1961, State Outdoor Champion in 1968 and 1969 and State Outdoor Smallbore Prone Champion in 1971. Mr. Reiten, the former President of Reiten Manufacturing Company, now retired, is a member of the Advisory Counsel, Welding Department, State School of Science, Wahpeton, N. Dak.
NRA Committee Membership: Membership.



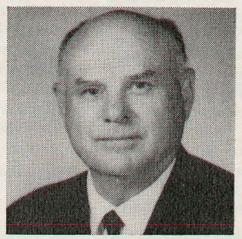
Stuart H. Russell, Oklahoma City, Okla. An attorney, Mr. Russell has been in law practice since 1947, specializing in the field of Federal Administrative Law. He has served on the Firearms Legislative Committee, Criminal Law Section of the American Bar Association, and is Chairman of the Oklahoma Rifle Association's Legislative Committee. He now serves as President of the Oklahoma Rifle Association.
NRA Committee Membership: Firearms Legislation.



Robert J. Kukla, Park Ridge, Ill. An attorney, Mr. Kukla is a past Vice President and Legislative Committee Chairman of the Illinois State Rifle Association, past Vice President of the Tri-County Pistol and Revolver League, and a member of the Northwest Gun Club, Inc. Mr. Kukla also is past President of the Logan Square Neighborhood Association and the author of a technical-legal treatise, *Firearms Identification,* and a comprehensive manuscript on the history of gun control in America.
NRA Committee Membership: Bylaws (Chairman), State Association (Vice Chairman).



Alice H. Bull, Seattle, Wash. An antique arms collector, Mrs. Bull is a Trustee and former President and Vice-President of the Washington State Rifle and Pistol Association. She is the first woman to hold the Distinguished Rifleman badge, and has been State Lady Pistol Champion, State Outdoor Smallbore Champion, and State High Power Rifle Champion. Mrs. Bull was the first woman to place in the President's Hundred at the National Matches.
NRA Committee Membership: Bylaws, Competition Rules and Programs (Chairman), and Finance (Vice Chairman).



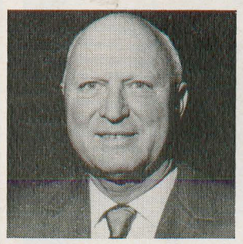
Edgar M. Ketchie, Sr., Kannapolis, N.C. A mechanical engineer and President of Ketchie-Houston, Inc., Mr. Ketchie is Chairman of the Board of Directors of the North Carolina Rifle and Pistol Association, and has served as President of the Kannapolis Rifle Club. He is an active smallbore and high power rifle competitor, and an NRA Official Referee.
NRA Committee Membership: Smallbore (Vice Chairman).



Mark Swain, Las Vegas, Nev. Mr. Swain is an executive with the Stardust and Fremont Hotels in Las Vegas. He is part owner and manager of the J-F Ranch at Motoqua, Utah. An avid shooter, Mr. Swain has won national recognition for "fast draw" competition.
NRA Committee Membership: Public Relations.



Raymond Hoem, Big Timber, Mont. A cattle and sheep rancher, Mr. Hoem is Secretary and one of the Directors of the Montana Rifle and Pistol Association. He is also Vice President and Executive Officer of the Big Timber Rifle Club. An NRA Official Referee and Hunter Safety Instructor, Mr. Hoem also takes part in smallbore rifle competition.
NRA Committee Membership: Air Gun.



Horace J. Brown, Jr., Hollywood, Calif. A practicing dentist and active pistol competitor, Dr. Brown is a Lifetime Master in outdoor pistol and holds the Distinguished Pistol Badge. An avid big game hunter and fisherman, Dr. Brown has also been involved in Boy Scout work. He is a past Director of the Izaak Walton League, former President and Executive Council Member of the California Rifle and Pistol Association, President of the South California Civilian Pistol Club, and a Director of Angeles Shooting Ranges.
NRA Committee Membership: Hunting and Conservation Committee.



Carl E. Kastner, Maplewood, N.J. A professional engineer and land surveyor, Mr. Kastner is Secretary of the Association of New Jersey Rifle and Pistol Clubs, a member of the U.S. Olympic Shooting Committee and has served on the National Board for the Promotion of Rifle Practice and an official for International shooting events. He is a Distinguished Rifleman and a Lifetime Master in smallbore, pistol and high power, an NRA Official Referee, Rifle and Pistol Instructor and Hunter Safety Instructor.
NRA Committee Membership: International Shooting (Chairman), Competition Rules and Programs.



Nathan R. Arenson, Gulf Breeze, Fla. A physician and radiologist at Sacred Heart Hospital, Dr. Arenson is past President of the Florida State Pistol Association and past President of the Pensacola Rifle and Pistol Club. An active smallbore rifle and pistol competitor, he holds a rating of Distinguished Pistol Shot. He started the present Pensacola Rifle and Pistol Club Range and also initiated the Fiesta of Five Flags Rifle, Pistol and Muzzle-loading matches. He was named "Sportsman of the Year" by the Pensacola Sports Association in 1970.
NRA Committee Membership: Pistol and Revolver, Firearm Safety.



John B. Layton, Washington, D. C. Mr. Layton moved up through the ranks of the Washington Metropolitan Police Department to become Chief of Police in 1964. After retiring from the department, he became adviser and Special Assistant to the U.S. State Department's Chief of Protocol. He now works as a consultant. A member of the 1948 Olympic Pistol Team, he is a former captain of the Metropolitan Police Pistol Team.
NRA Committee Membership: Protest (Chairman), Law Enforcement Assistance (Vice Chairman).

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The National Skeet Championships—1972

By ALLEN F. RUFFIN, JR.

TONY ROSETTI, the 26-year-old shooting star from Biloxi, Miss., was a sensation at the National Skeet Shooting Association's 1972 World Championships held July 29-Aug. 5 at the Rochester-Brooks Gun Club in Rush, N.Y., about 15 miles south of Rochester.

After a gruelling 485-target, sudden-death shoot-off of 17 perfect 250x250 scores in the 12-ga. Championship, Rosetti finally won over 659 other shooters on the second day of the shoot-off under brilliant blue sky in cool temperature. Earlier, he had won the .410 Championship. Rosetti's total of 548 for all four guns won him the All-Around title and equalled the record score set last year.

Rosetti is also the 1972 Intercollegiate Int'l Skeet Champion, 1972 Mississippi State Champion, and was a member of the 1972 U.S. Olympic Skeet team that competed in Munich, Germany, in August. Now a senior at the University of Mississippi, he began shooting when he was five or six years old when he and his father hunted doves together. Shortly thereafter, he had his own .410-bore.

Rosetti began shooting skeet in 1960, and continued during portions of his Army service at Ft. Benning. He resumed shooting as a civilian in September, 1970. He shot a Winchester Model 42 slide-action with Remington ammunition in the .410-bore Championship. In all other gauges, he shot Remington Model 1100 gas-operated autoloaders, the 12-ga. gun modified to vent gas forward through special holes in the fore-end. Shells were Remington Power Piston in 28- and 20-ga., and RXP's in 12-ga.

There was frenzied activity at the gun club throughout the shoot, as new record entries were set in all gauges. The former records were set last year in San Antonio. In 12-ga., shooters jumped from 602 to 660; in 20-ga. from 584 to 652; in 28-ga. from 544 to 621; and in .410 from 543 to 623. The Int'l-style entry record was set at Rush in 1966, and increased slightly from 138 to 145 this year, an encouraging sign for Int'l-style shooting.

Skeet is very much a family game, and sometimes the women and youngsters do some surprising shooting. Fourteen-year-old Marina Pakis of Hot Springs, Ark., comes from a shooting family. Her two older brothers, shooting stars in their own right, started her in skeet and this year the ninth-grader showed her championship ability in full measure. Marina won the Open Lady Championship as well as the Junior Lady Championship in .410 with a Remington 1100 and Federal shells, and carried away the Junior Lady Award in every other event, shooting a 95 in 28-ga., a 96 in 20-ga., and a 99x100 in 12-ga. (the Junior Ladies and Sub-Juniors shoot only 100 12-ga. targets). This also gave her the winning All-Around Junior Lady score of 388x400 which many grown men who shoot skeet would envy.

Ken Barnes, smooth-swinging dancer in small gauges over the years, did it again this year in the 28-ga. Championship. The 33-year-old Bakersfield, Calif., tire dealer shot his Cutts Compensator-equipped Winchester Model 12 slide-action with sufficient efficiency to break all 100 targets in the regular event and tie 35 other dead-eyes. He continued to bear down for another six rounds and well into the seventh before the last tied competitor, Bruce Forbush of Hamburg, N.Y., missed a target. Barnes broke his, winning the shoot-off with 164 targets straight.

Brad Rivenburgh, Derwood, Md., won the 20-ga. title, but not without a prodigious struggle. Thirty-five were tied with perfect scores at the end of the 100 target race. The shoot-off began that evening, and was called for darkness after seven rounds. It lasted 8½ rounds the next evening, before lack of light again stopped the shooting. The following evening found it postponed as other events had to be shot off, and it resumed at last on Friday, the last day of the 12-ga. event. After 391 overtime targets, Rivenburgh finally got what he wanted on the 16th shoot-off round when Charles Brocato, Jackson, Miss., failed to get his gun on a target.

Described by his wife as a "young 41", Rivenburgh works for the American Finance Management Corp. He has been shooting skeet for about six years, starting to improve his eye for hunting. He said he had some difficulty during the latter part of the shoot-off because the weather had cleared, and he had trouble defining some targets against the "high sky". He said he had not been doing too well in 20-ga. earlier in the year, but had gotten his trap-stocked, 28" barreled Krieghoff 32 back from gunsmith Claude Purbaugh, who re-choked it, just in time for the Championships. With the Federal plastic ammunition he preferred, it seemed to work pretty well indeed.

When all the commotion of the shoot-off was over and the last 50 of the 12-ga. targets fired, 17 big gun shooters remained tied with 250 straight. Among them were Rosetti and Brad Rivenburgh.

One by one, shooters missed targets and were out. Thirteen rounds were completed that day, and Rivenburgh was still grinding them all up. In the next day's shooting, he wound up the last shooter



Two new champions are all smiles as they congratulate each other. Fourteen-year-old Marina Pakis won the .410 Lady and All-Around Junior Lady Championships and Tony Rosetti took the 1972 All-Around Championship.

remaining with Rosetti. On the 20th round, he missed low-house station three, and became the 12-ga. Runner-up. His long run of targets broken without a miss was 1,213.

The concluding event was the Int'l-style Championship, designed to be similar to International skeet. The shooter takes his ready position with the butt of the gun positioned near his hipbone. After he calls for a target, it may be released instantly or delayed up to three seconds by an automatic timer. The traps are adjusted to throw a target as far as possible, but with minimum target breakage from the trap. The singular difference between the two versions is that harder targets are required in genuine International skeet as stronger traps adjusted to throw the target farther and faster are used.

Capt. James P. "Pat" Whitaker, alternate to the 1972 Olympic Skeet Team, scored a lone 195 in this more difficult game to capture the honors. Whitaker, a VMI graduate, has been in the service eight years, and makes his home in Baton Rouge, La. He is a member of the Ft. Benning Markmanship Training Unit. He said he has been shooting skeet off and on for 15 years, but took up International when he joined the MTU about two years ago. Calling the Int'l targets "respectably strong", he did well on them with an Ithaca-Perazzi Mirage model over-under with 27¼" barrels, and Federal paper shells loaded with three dram powder equivalent and No. 9 shot.



Kenny Barnes (l.) broke 164 targets straight to capture the 28-ga. crown in a shoot-off with 35 other competitors. With him is the new All-Around Champion, Tony Rosetti.

Penny Norman, Ft. Lauderdale, Fla., Lady 20-ga. Champion with 99, Lady AA Champion in 12-ga., and All-Around Lady Runner-up with 539, says she never tells her age. "Just say I'm young and beautiful," she quipped. A hairdresser, she has been shooting skeet for about four years. "I have just been improving steadily," she said, "'and this is my first year on the AA team." She shot all Remington 1100's with stocks shortened to 13¼" and pitch adjusted to a woman's physique, and trigger pulls adjusted. She shot Remington shells in .410, and Federals in all other gauges including the "new" 12-ga. shell introduced at the Championships.

Claudia Butler, 23, Smoke Rise, N.J., blasted a 542 to win the All-Around Lady Championship and Open Class A fifth place. On the way, she shot a 96 in .410 which her husband Robert equalled, thus setting a new world record 192 for the Husband & Wife combination in that gauge. Her score earned her the Lady Runner-up spot. Claudia shot Remington Power Piston shells in the three smaller guns, and RXP's in 12-ga. In .410 and 28-ga., she shot larger frame Remington 1100's converted to the smaller sizes by Claude Purbaugh. The 1100's she shot in 20 and 12-ga. were out of the box except for one unusual condition. The only one of the four guns with a recoil pad is the .410, so every morning before she shot, Claudia switched this buttstock onto the gun to be shot that day. Shoulder comfort is important to winning in a long match.

Myrna Herbert, Montreal, Quebec, Canada, scored 187 to take the Lady Int'l-style Championship. She has been on the Canadian International Skeet team three times, traveling to Spain in 1969, Phoenix in 1970, and Italy in 1971 to represent Canada.

Remington Field Representative Jim Prall is a big man. He adds recoil pads to his Remington 1100's to lengthen the stock sufficiently. The 27-year-old Little Rock, Ark., high-scorer broke 547 targets with them to win the Industry High Over-All Championship scoring 99 with the .410 for the Industry title in that gauge, 100 in 28 and losing a shoot-off landing him in the 28-ga. Industry Runner-up slot, and the same in 20-ga. His shells were Remington .410's, Peters in 20 and 28-ga., and RXP in 12-ga. ■

PRINCIPAL WINNERS IN THE NATIONAL SKEET SHOOTING ASSOCIATION'S 1972 WORLD CHAMPIONSHIPS AT THE ROCHESTER-BROOKS GUN CLUB, RUSH, NEW YORK, JULY 29-AUGUST 5

.410 Championship

Champion: **Tony Rosetti,** Biloxi, Miss., 100, (39 shootoff). Lady: **Marina Pakis,** Hot Springs, Ark., 98. Junior Lady: **Marina Pakis,** Hot Springs, Ark., 98. Sub-Junior: **Alan Clark,** Encinitas, Calif., 98. Junior: **George Engle, III,** Canton, Ohio, 97. Sub-Senior: **Paul Guillory,** Lake Charles, La., 99. Senior: **Ken Pletcher,** Bellevue, Nebr., 96. Veteran: **Henry Alcus,** New Orleans, La., 96. Industry: **Jimmy Prall** (Remington), N. Little Rock, Ark., 99.

28-ga. Championship

Champion: **Kenny Barnes,** Bakersfield, Calif., 100, (164 shootoff). Lady: **Dianne Forbush,** Hamburg, N. Y., 100, (10 shoot-off). Junior Lady: **Marina Pakis,** Hot Springs, Ark., 95. Sub-Junior: **James Wright,** Cleveland, Tenn., 97. Junior: **Robert Hutter,** Quincy, Ill., 100. Sub-Senior, **Ray Corper,** Ambler, Pa., 100. Senior: **Chet Crites,** Detroit, Mich., 99. Veteran: **R. B. Ross,** Brownwood, Tex., 100. Industry: **Al Morrison** (Krieghoff), Newberry, S. C., 100.

20-ga. Championship

Champion: **Brad Rivenburgh,** Derwood, Md., 100 (369 shootoff). Lady: **Penny Norman,** Ft. Lauderdale, Fla., 99. Junior Lady: **Marina Pakis,** Hot Springs, Ark., 96. Sub-Junior: **Alan Clark,** Encinitas, Calif., 94. Junior: **Curtis Berg, Jr.,** Minneapolis, Minn., 100. Sub-Senior: **Charles Garberson,** Los Angeles, Calif., 100. Senior: **W. Arch MacIntyre,** Livonia, N. Y., 100. Veteran: **Milton Terrell,** San Francisco, Calif., 99. Industry: **Cecil Trammel** (Federal), Jonesboro, Ga., 100.

12-ga. Opens

Western: **Steve Pakis,** Hot Springs, Ark., 100. Eastern: **Walt Badorek,** Klamath Falls, Oreg., 100.

12-ga. 250 Targets

Champion: **Tony Rosetti,** Biloxi, Miss., 250, (485 shootoff). Lady: **Jackie Ramsey,** Dallas, Tex., 250. Junior Lady:* **Marina Pakis,** Hot Springs, Ark., 99x100. Sub-Junior:* **James Wright, III,** Cleveland, Tenn., 99x100. Junior: **Tito Killian,** San Antonio, Tex., 250. Sub-Senior: **Charles Garberson,** Los Angeles, Calif., 249. Senior: **J. D. Williams,** Washington, D.C., 247. Veteran: **R. B. Ross,** Brownwood, Tex., 246. Military: **Doug Burdett,** Ottawa, Ontario, Canada, 249. Collegiate: **Jackie Ramsey,** Abilene, Tex., 250. Industry: **Barney Hartman** (CIL), Montreal, Quebec, Canada, 249.

All-Around Championship

Champion: **Tony Rosetti,** Biloxi, Miss., 548. Lady: **Claudia Butler,** Smoke Rise, N.J., 542. Junior Lady: **Marina Pakis,** Hot Springs, Ark., 388x400. Sub-Junior: **Alan Clark,** Carlsbad, Calif., 380x400. Junior: **Tito Killian,** San Antonio, Tex., 544. Sub-Senior: **Paul Guillory,** Lake Charles, La., 544. Senior: **Chet Crites,** Detroit, Mich., 538. Veteran: **R. B. Ross,** Brownwood, Tex., 531. Industry: **Jimmy Prall** (Remington), N. Little Rock, Ark., 547.

Other Championships

International Style: **James P. Whitaker,** Ft. Benning, Ga., 195. Lady: **Myrna Herbert,** Montreal, Quebec, Canada, 187. Champion of Champions: **Bruce Kinker,** Phoenix, Ariz., 100, (110 shootoff).

* 100 birds for these classes.

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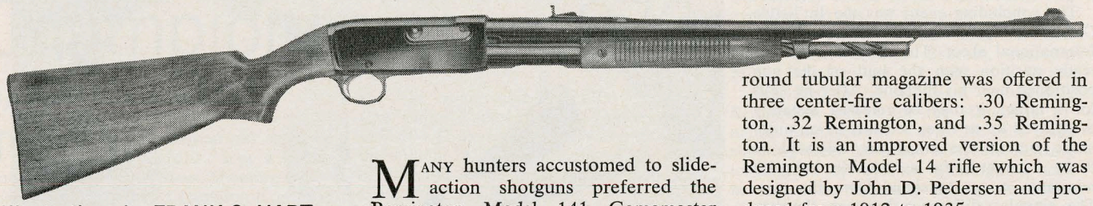
REMINGTON MODEL 141 GAMEMASTER



Illustrations by FRANK G. HART.
Text by LUDWIG OLSON,
Associate Technical Editor,
THE AMERICAN RIFLEMAN

MANY hunters accustomed to slide-action shotguns preferred the Remington Model 141 Gamemaster slide-action rifle for hunting deer and similar-sized big game. Introduced in 1936, this fast-firing repeater with five-round tubular magazine was offered in three center-fire calibers: .30 Remington, .32 Remington, and .35 Remington. It is an improved version of the Remington Model 14 rifle which was designed by John D. Pedersen and produced from 1912 to 1935.

In addition to its trim, attractive lines and favorable handling qualities, the Model 141 features a solid breech with the receiver closed except for an ejection port on the right side. This protects the user from rearward escaping gas, and keeps out snow, dirt, and other foreign matter.

Another desirable feature of this hammerless, striker-fired rifle is a spiral groove in the magazine tube to tilt the cartridges slightly and thereby prevent the bullet points from contacting the primers of cartridges ahead. The magazine moves back and forth with the action bar to assist positive feeding of cartridges.

Unlike most rifles, the Model 141 has a single locking lug integral with the upper front of the breechblock. The initial rearward motion of the action bar causes the front of the breechblock to be cammed downward and disengages the locking lug from the locking shoulder in the receiver. To open the action when the rifle is cocked, it is necessary to press the unlocking plunger in the right side of the breechblock and move the fore-end rearward. The cross-bolt safety in the trigger guard is convenient to operate with the trigger finger.

After turning out the takedown screw on the left side of the receiver, the rifle can be taken down to facilitate transport, cleaning, and lubrication. This can be done easily without use of tools.

Most metal parts of the Model 141 are blued machined steel, and the quality of workmanship and finish is excellent. The walnut stock and fore-end are well proportioned and nicely finished.

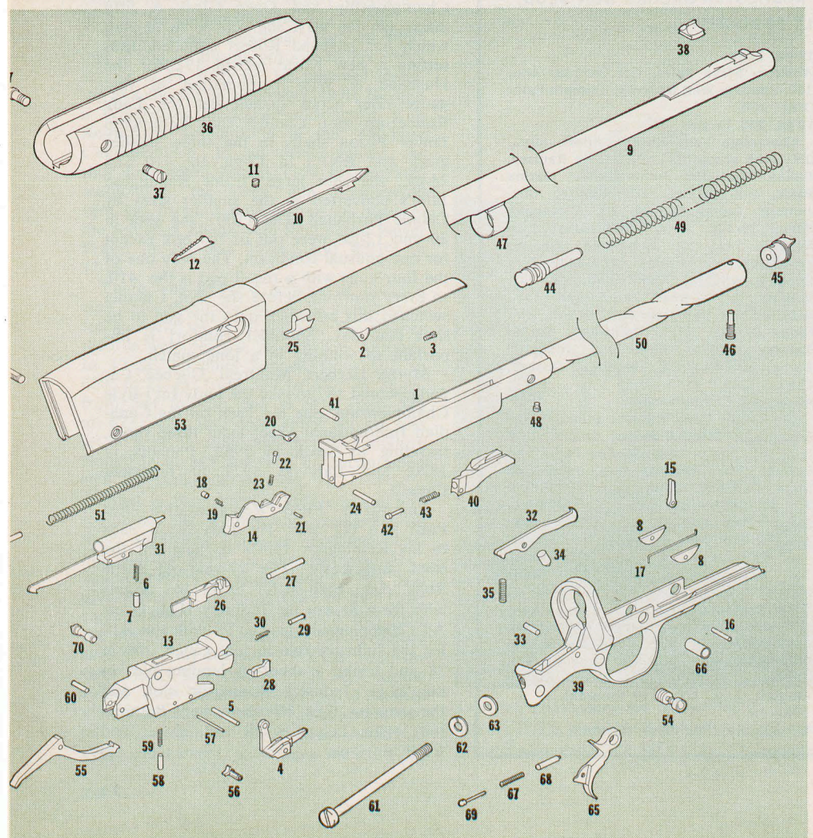
In addition to the 141A Standard Grade, this rifle was offered in three higher grades: 141B Special, 141D Peerless, and 141F Premier, all with 24″ barrel. The 141R carbine featured an 18½″ barrel, and was available only in cals. .30 Remington and .32 Remington.

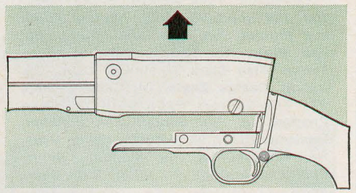
While the Model 141 performed well and proved popular through the years, it was discontinued in 1950 to make way for the Remington Model 760 slide-action rifle, which is much better suited than the Model 141 for production by modern techniques. ■

PARTS LEGEND

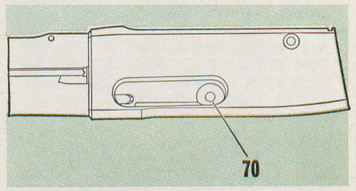
1. Action bar
2. Action bar cover
3. Action bar cover screw
4. Action bar lock
5. Action bar lock pin
6. Action bar lock spring
7. Action bar lock spring plunger
8. Action bar support (2)
9. Barrel
10. Bar sight
11. Bar sight elevation screw
12. Bar sight step
13. Breechblock
14. Carrier
15. Carrier dog
16. Carrier dog pin
17. Carrier dog spring
18. Carrier friction plunger
19. Carrier friction spring
20. Carrier lever
21. Carrier lever pin
22. Carrier lever plunger
23. Carrier lever spring
24. Carrier pin
25. Cartridge stop
26. Ejector
27. Ejector rod
28. Extractor
29. Extractor plunger
30. Extractor spring
31. Firing pin
32. Firing pin catch
33. Firing pin catch pin
34. Firing pin catch plunger
35. Firing pin catch spring
36. Fore-end
37. Fore-end screw (2)
38. Front sight
39. Guard
40. Loading door
41. Loading door pin
42. Loading door plunger
43. Loading door spring
44. Magazine follower
45. Magazine plug
46. Magazine plug screw
47. Magazine ring
48. Magazine screw
49. Magazine spring
50. Magazine tube
51. Mainspring
52. Mainspring plug
53. Receiver
54. Safety
55. Sear
56. Sear lock
57. Sear lock pin
58. Sear lock plunger
59. Sear lock spring
60. Sear pin
61. Stock bolt
62. Stock bolt lock washer
63. Stock bolt washer
64. Takedown screw
65. Trigger
66. Trigger bushing
67. Trigger spring
68. Trigger spring cap
69. Trigger spring rod
70. Unlocking plunger

Note: Stock, Buttplate, and Buttplate screws not shown.

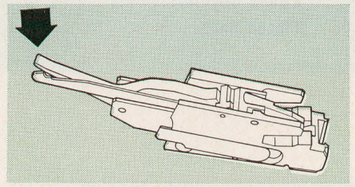




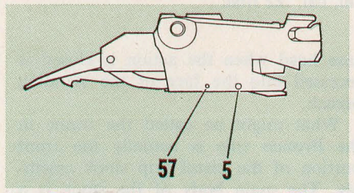
1 Before disassembly, unload the magazine and clear the chamber. Loosen the takedown screw (64) and pull out to the stop. Slide the guard (39) from the receiver (53).



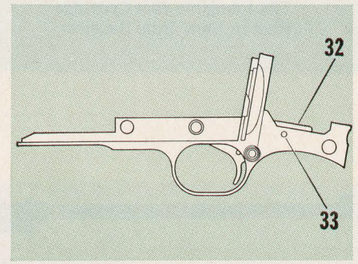
2 Move the fore-end back and forward to cock action. Turn the rifle bottom side up. Press the unlocking plunger (70) and open the action. Tilt the rear end of the breechblock (13) upward slightly, and slide the fore-end (36) forward. Lift the breechblock from the receiver. This is sufficient takedown for normal cleaning.



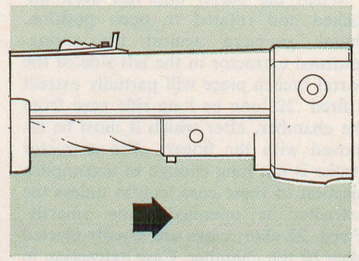
3 To disassemble further, grasp the breechblock with the bottom up and the sear (55) extending outward. Strike the sear to disengage it and uncock the firing pin (31). Move the ejector (26) to middle position and lift from the breechblock. Remove the ejector rod (27) and unlocking plunger.



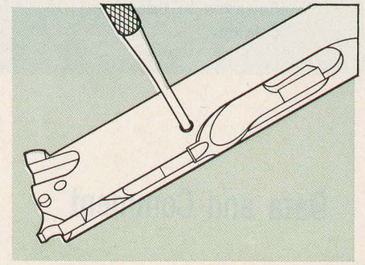
4 Drive out the sear lock pin (57), remove the sear lock (56), sear lock spring (59), and plunger (58). Drive out the action bar lock pin (5) and remove the action bar lock (4), action bar lock spring (6), and plunger (7). Drive out the sear pin (60). Carefully remove the punch and ease out the sear. Pull out the mainspring plug (52), mainspring (51), and firing pin. Insert a thin-bladed screwdriver between the extractor (28) and plunger (29). Turn the blade slightly to force the plunger back against the spring (30), and move the extractor from the breechblock. Drive out the carrier dog pin (16) from right to left, and lift out the carrier dog (15) and spring (17). Lift out the two action bar supports (8). Unscrew the buttplate screws and remove the buttplate. Insert a long-bladed screwdriver into the stock hole and remove the stock bolt (61), washer (63), and lock washer (62). Pull the guard from stock.



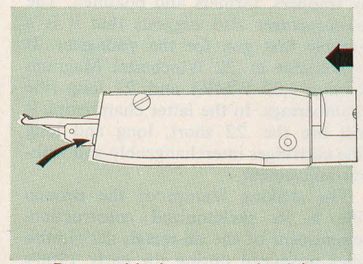
5 Drive out the firing pin catch pin (33), and remove the firing pin catch (32), spring (35), and plunger (34). Drive out the trigger bushing (66), and remove the trigger (65), trigger spring (67) with rod (69), and cap (68). Push the safety (54) from the guard. Unscrew the two fore-end screws (37) and magazine plug screw (46). Ease out the magazine plug (45), magazine spring (49), and follower (44).



6 Slide the action bar (1), and magazine tube (50) rearward in the receiver and fore-end. Unscrew the action bar cover screw (3) and remove the action bar cover (2) from the front of the receiver. Move the fore-end rearward as far as it will go. Then, slide the action bar and magazine tube completely forward. Tip the barrel (9) downward to remove the cartridge stop (25). Pull the action bar and magazine tube from the rear of the receiver and remove the fore-end.



7 Drive out the loading door pin (41), and remove the loading door (40), loading door spring (43), and plunger (42). Drive out the carrier pin (24), and remove the carrier (14) with carrier friction plunger (18), and spring (19). Drive out the small carrier lever pin (21), and lift out the carrier lever (20), carrier lever spring (23), and plunger (22).



8 Reassemble in reverse. In doing so, fit the lug on the breechblock into the recess in the receiver. Move the fore-end rearward to engage the action bar with the breechblock while pressing the ejector protruding from the rear of the breechblock (arrow). Move the breechblock and action bar forward together. Note: The firing pin must be cocked before reassembly of the breechblock to the receiver. To do so, press rearward on the flat lower front of the firing pin until cocked.

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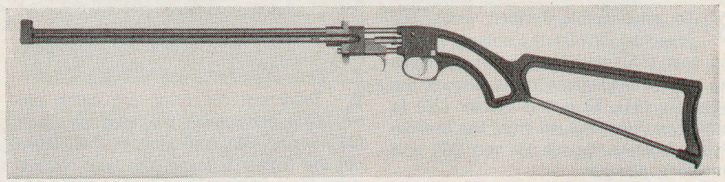
Data and Comment

Garcia Bronco Rifle

All-metal .22 rifle develops extraction problem in test



Garcia Bronco all-metal, cal. .22 rifle.

An all-metal, .22 rimfire rifle weighing less than three pounds is now offered by Garcia Sporting Arms Corp. Called the Bronco, this diminutive single-shot rifle was designed for use by trappers, farmers and boatmen. The manufacturer also suggests that it is a suitable first gun for the youngster. It is available in .22 Winchester Magnum Rimfire (.22 WMR) and .22 long rifle chamberings. In the latter chambering it will fire the .22 short, long and long rifle cartridges interchangeably and without adjustment.

The striking feature of the Bronco rifle is its skeletonized construction, reminiscent of the all-metal, .22 rimfire rifles produced during the early 1900's by the C. J. Hamilton firm of Plymouth, Mich.

The barrel unit of the Bronco rifle pivots on the frame for loading and unloading. In closed position, a lug and stop pin arrangement aligns the barrel unit with the frame and the two assemblies are secured against opening by a locking pin on the cocking piece which extends through the standing breech into the barrel breech piece. Retraction of the cocking piece withdraws the locking pin and cocks the spring-driven striker mechanism. When the cocking piece is released, it is carried forward automatically by spring pressure. A trigger-like spur is provided on the bottom of the cocking piece so that it can be retracted with the trigger finger.

When the barrel unit has been unlocked and rotated to open position, thumb pressure against the spring-returned extractor in the left side of the barrel breech piece will partially extract a fired .22 long or long rifle case from the chamber, after which it must be removed with the fingers. The extractor stroke is not long enough to accomplish ejection of these case lengths unless the extractor is operated quite smartly. Fired .22 short cases are usually ejected clear of the chamber. Case extraction in the .22 WMR version cannot be commented on here, as none of the Bronco rifles furnished to the NRA was in that caliber.

The barrel of the Bronco rifle is a 7/16" diam. round steel tube, and it lies under a 5/16" steel pivot rod on which it turns. The barrel and pivot rod are connected at the front end by a band and at the rear end by the breech piece. These connecting parts are non-ferrous alloy die castings. A central steel firing-pin bushing which supports most of the cartridge case head when the action is closed is recessed into the face of the standing breech.

What might be called the frame in the Bronco rifle is actually the front portion of the pistol grip stock assembly. The main body of the stock is a non-ferrous alloy casting, with a steel reinforcing rod spanning the lower portion.

The trigger mechanism can be locked by a steel crossbolt safety. When the safety is pushed to the right, the trigger mechanism is immobilized, but the action can be opened. When the striker is in forward (fired) position, the safety cannot be engaged. This provides one means of determining if the striker is cocked. The user also can note the position of the exposed striker sleeve; when in rear position, for example, the striker mechanism is cocked.

The takedown procedure for the Bronco rifle is simple: Open the breech, and then swing the takedown latch on the right side of the frame upward as far as it will go. The barrel assembly can now be pulled forward and clear of the frame. This procedure is reversed in reassembly, but care must be taken to

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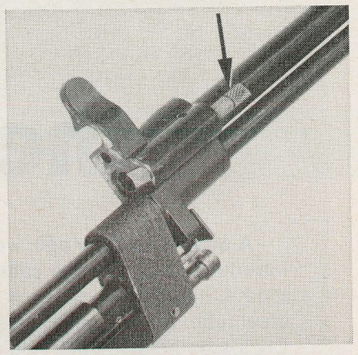
align the index on the top of the pivot rod with the matching index on the top of the frame before swinging the takedown latch downward to closed position. The takedown latch is held closed by friction; there is no locking detent to maintain it in closed position.

When the Bronco rifle is disassembled, length of the barrel unit is 20″; length of the frame and stock unit is 19″. A desirable attribute is that the disassembled rifle takes up very little storage space.



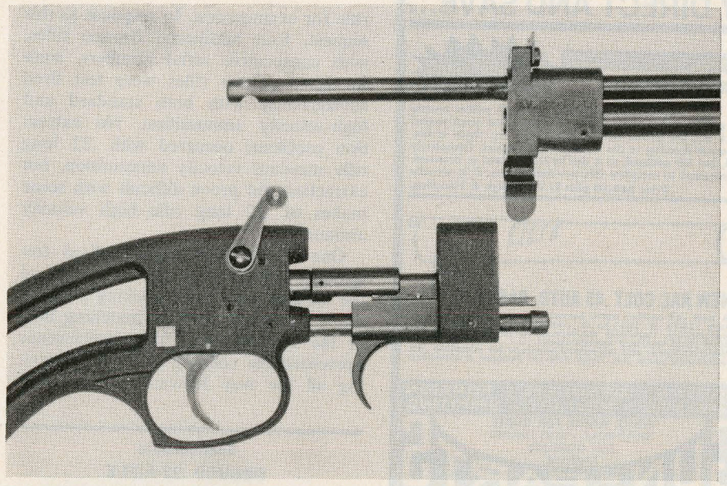
Barrel assembly pivots on frame to expose chamber. Plunger extractor (arrow) is mounted on left side of breech piece. Note rear sight contacting locking pin on cocking piece.

Sights on the Bronco rifle are of simple design. The square-blade front sight is integral with the front band and is protected by curved side wings. The outward curvature of these wings helps prevent their inadvertent use in sighting the rifle.

The rear sight is a flat, semi-buckhorn, square-notched leaf, held by a single screw to a rectangular block on the top of the breech piece. When this screw is loosened, the sight leaf can be shifted to make windage and/or elevation adjustments. There are no graduations or index marks on the sight leaf or breech piece, so adjustments made are necessarily imprecise.

With the exception of the gray-finished trigger and crossbolt safety, all steel parts of the Bronco rifle are blued. Most of the non-ferrous alloy parts are finished attractively in black crackle. The exceptions are the breech and cocking pieces which have a smooth enamel-like black finish. Serial numbers of the Bronco rifles are stamped on the bottom flat of the pistol grip.

Over 700 rounds of standard and high-velocity ammunition were fired from the first sample Bronco rifle furnished to *The American Rifleman* Technical Staff by the manufacturer. An aggravating problem encountered with this rifle was frequent difficulty in operating the manual extractor mechanism. A variety of ammunition was used in the tests, to include .22 short, long, and long rifle loadings. High-velocity .22 short and .22 long rifle ammunition gave the most extraction trouble. With some makes of ammunition, it was sometimes necessary to tap the head of the extractor plunger with a light mallet to start the cases from the chamber. This condition was not corrected by thorough degreasing of the chamber with a solvent, or by lubrication of the extractor mechanism.



Takedown latch on right side of frame is swung upward to release barrel assembly from frame.

Sometimes the fully extended extractor rotated slightly which kept it from reseating fully when released. When this occurred, it was necessary to turn the extractor with the fingers to align it with its slot in the barrel breech.

On examining fired cases from this rifle, it was found that all were bulged slightly at the intersection of head and body. These bulges corresponded to the location of the extractor hook, and severity of the bulging depended, in general, on cartridge case length, velocity level, and manufacturer.

Optical examination of the chamber revealed the presence of several relatively deep annular rings along the chamber wall. The presence of these rings may explain the extraction problem encountered with the sample rifle.

No cartridge cases burst during extensive test firing, but all case heads were distorted slightly, and there was some peening of the face of the standing breech adjacent to the steel firing pin bushing.

A minor but nevertheless annoying problem experienced with the test rifle was difficulty in sighting it in by adjustment of the sight leaf. Necessarily done by trial and error, this zeroing operation was made difficult by a tendency of the sight leaf to move out of adjustment as its binding screw was tightened. The insertion of a thin metal washer between the screw head and sight leaf would eliminate this problem.

Accuracy firing with the test rifle was done at 25 yds. over sandbag rests, and the metallic sights furnished on the rifle were used. Five 10-shot groups with match-grade .22 long rifle ammunition gave an average extreme spread of 1.71″. This is equivalent to 6.84 minutes of angle. The smallest group measured 1.30″ extreme spread; the largest, 2.00″. All measurements were taken between the two shots farthest apart in the groups. Weight of trigger pull is about 3½ lbs., and let-off is smooth, although long.

To make the points of aim and bullet impact coincide at 25 yds., it was necessary to raise the sight leaf of the test rifle to its upward limit. When this had been done, distracting light came through the exposed hole in the sight leaf immediately below the sighting notch. The washer suggested to prevent movement of the sight leaf when its binding screw is tightened would eliminate this annoyance, also.

When the sight leaf was in fully elevated position, it struck the locking pin on the cocking piece when the barrel unit was turned to fully opened position. This tended to knock the sight leaf out of adjustment unless the breech was opened carefully.

To determine whether the sample rifle was representative of its type, the manufacturer was asked to submit a second

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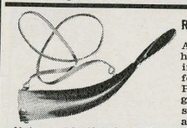

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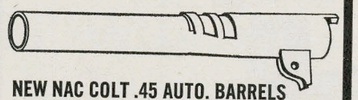

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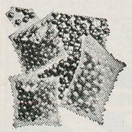

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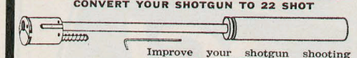

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rifle for examination. In response to this request, four additional Bronco rifles, with consecutive serial numbers, were furnished. These rifles were test fired subsequently with both standard and high-velocity ammunition. No extraction problems occurred with .22 long rifle standard velocity ammunition, but extraction did prove difficult with some makes of .22 long rifle high velocity ammunition.

One of the four rifles misfired frequently. This was caused by failure of the locking pin on the cocking piece to line up properly with its matching hole in the breech piece. This interference prevented the cocking piece from moving all the way forward when it was released, and the blow of the falling striker was cushioned by impacting against it, with misfires resulting. Lubrication of the affected parts did not correct this condition.

Lateral escape of gas at the junction of the standing breech and breech piece occurred in all five rifles. It behooves the shooter to keep his hands away from this area of the rifle when firing it.

Handling qualities of the little Bronco rifle are generally satisfactory, although an enlarged thumb button on the end of the extractor plunger would be helpful in extracting tight cases. From the accuracy standpoint, this rifle is handicapped by its poor sighting equipment.

Manufactured by: Garcia Sporting Arms Corp., 515 Kerby Hill Road, Washington, D. C. 20022.

Specifications

BRONCO .22 RIFLE

Mechanism Type: Pivot-breech, striker-fired, manual-ejection, single-shot, takedown
Caliber: .22 short, long, and long rifle rimfire (also model in .22 WMR)
Weight: 2 lbs. 13½ ozs.
Barrel Length: 16-9/16"
Over-All Length: 34¾"
Stock Dimensions: Length of pull, 13¾"; drop at comb, 1¾"; drop at heel, 3⅛"
Sights: Square-blade front; square-notch, full-adjustable rear
Sight Radius: 15-13/16"
Rifling: 12 grooves, right twist
Price: $20, approx. ($22, approx. in cal. .22 WMR)

Lee Lubricating-Sizing Kit

Simple kit turns out good product at low cost

Bare lead bullets must be greased, or they will lead-foul the gun bore severely. Such bullets are made with annular grooves to hold a stiff wax or grease for the necessary lubrication.

For applying the lubricant, handloaders now tend to favor the bench lubricating-sizing machine. This machine presses the bullets through a die to make them the right size and at the same time forces lubricant into the bullet grooves. The operation is desirably clean, rapid, and precise, justifying for many users the machine's cost. Nevertheless, some handloaders wish a very inexpensive method because they reload in only small quantities or simply want to hold their investment down. The usual procedure in such cases is to stand the bullets in melted lubricant to a depth covering the grease grooves, allow the lubricant to solidify, and cut the bullets out with a deheaded cartridge case. The greased bullets then are driven through a sizing die if that is necessary. Except for the die, the equipment can be improvised or assembled at small cost.

Lee Precision Manufacturing now has introduced a set of the simple items used in this "cake cutter" method. The kit contains the necessary pan, bullet lubricant, cutter, and bullet sizing die, with directions. It is typical of the extremely simple Lee approach to handloading equipment and operations in general.

The directions are brief and clear. The bullets are set base-down in the pan, melted lubricant is poured in until the grease grooves are covered, and the pan allowed to cool. Then the bullets are cut out by hand with the cutter supplied, the bullets pushing up through the cutter and out the top. The next batch of bullets is put into the holes left in the lubricant, which then is re-heated enough to melt it into the bullet grooves. The only lubricant consumed is that carried out in the bullet grooves, so only an occasional replenishment is required. Provided the lubricant is never overheated, this can go on indefinitely. It is exactly the old cake cutter method dating back many decades.

It is important to take care never to overheat the lubricant (it must never smoke even a little). If overheated it can catch fire, causing smoke damage to the room if not serious danger. Even slight overheating impairs the lubricant quality.

Bullets of correct diameter can be loaded as soon as cut from the pan, the slight excess of lubricant left on them being without significance. If overlarge, as produced by some bullet molds, they must be reduced to usable diameter by driving through the sizing die. The bullet is driven through point-first, which is unusual practice though preferred by some experienced users who make their own dies. Here it works very well.

NRA test of the Lee kit with a .38 Special semi-wadcutter bullet showed that the simplicity of the equipment is no bar to quality in results. The Hodgdon bullet lubricant supplied with the kit is the Alox-beeswax type developed

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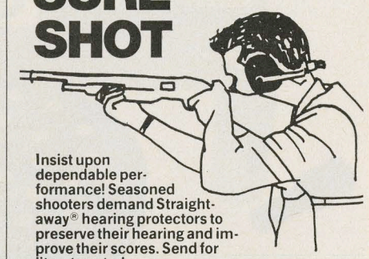

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Lee lubricating-sizing kit. Cutter is shown at edge of pan, and sizing die and punch at left.

in extensive testing by *The American Rifleman* Technical Staff, to fill an existing need ("Bullet Lubricants", *The American Rifleman*, July 1965, pp. 46-49). It has become more widely successful than any other. At room temperature or very slightly warmed, it cuts smoothly in removal of bullets from the pan. The sizing die looks rough, but it sized the bullets well aligned and with a properly smooth surface. The user of this kit pays for its simplicity and low cost in a modest production rate, but not at all in quality of product.

Manufactured by: Lee Precision Manufacturing, R.R. 2, Hartford, Wis. 53027. Price: $5.98, available for bullets of calibers from .22 to .45.

Shell	Primer	Shot Container	Charge Weight (Grains)	Approximate Pressure
12 GAUGE—2¾ INCH—3¾ DE—1⅛ OUNCE LOAD—APPROX. VELOCITY 1275 fps				
Federal Plastic Game	Fed. 209	Alcan Flite Max No. 2	36.0	9800
WW Plastic Game	Win. 209	Alcan Flite Max No. E	34.0	10700
12 GAUGE—3 INCH—3¾ DE—1⅜ OUNCE LOAD—APPROX. VELOCITY 1325 fps				
Federal Plastic Game	Fed. 209	Rem. Power Piston #W29924	42.5	8400
RP Plastic Game	Rem. 57★	Rem. Power Piston #W29924	43.0	8200
WW Plastic Game	Win. 209	Rem. Power Piston #W29924	41.5	8100
12 GAUGE—3 INCH—4 DE—1⅜ OUNCE LOAD—APPROX. VELOCITY 1300 fps				
Federal Plastic Game	Fed. 209	Rem. Power Piston #W29924	41.5	9800
RP Plastic Game	Rem. 57★	Rem. Power Piston #W29928	41.5	9100
WW Plastic Game	Win. 209	Rem. Power Piston #W29928	41.0	10800
12 GAUGE—3 INCH—4 DE—1⅞ OUNCE LOAD—APPROX. VELOCITY 1250 fps				
Federal Plastic Game	Fed. 209	Rem. Power Piston #W29926	39.5	10500
RP Plastic Game	Rem. 57★	Rem. Power Piston #W29926	38.5	9400
WW Plastic Game	Win. 209	Rem. Power Piston #W29926	38.5	10800
16 GAUGE—2¾ INCH—3¼ DE—1⅛ OUNCE LOAD—APPROX. VELOCITY 1325 fps				
Federal Plastic Game	Fed. 209	Rem. Power Piston #W29934	30.0	9400
RP Plastic Game	Rem. 57★	Rem. Power Piston #W29934	30.0	9700
WW Plastic Game	Win. 209	Rem. Power Piston #W29934	30.0	9400
20 GAUGE—2¾ INCH—2¾ DE—1⅛ OUNCE LOAD—APPROX. VELOCITY 1200 fps				
Federal Plastic Game	Fed. 209	Rem. Power Piston #W29944	23.0	10600
20 GAUGE—3 INCH—3¼ DE—1⅛ OUNCE LOAD—APPROX. VELOCITY 1300 fps				
Federal Plastic Game	Fed. 209	Rem. Power Piston #W29942	27.5	10400
RP Plastic Game	Rem. 57★	Rem. Power Piston #W29944	27.5	10900
WW Plastic Game	Win. 209	Rem. Power Piston #W29944	27.5	11200
20 GAUGE—3 INCH—3½ DE—1⅛ OUNCE LOAD—APPROX. VELOCITY 1325 fps				
Federal Plastic Game	Fed. 209	Rem. Power Piston #W29942	27.5	11300
RP Plastic Game	Rem. 57★	Rem. Power Piston #W29944	27.5	11300
WW Plastic Game	Win. 209	Rem. Power Piston #W29944	27.5	11500
20 GAUGE—3 INCH—3 DE—1¼ OUNCE LOAD—APPROX. VELOCITY 1225 fps				
Federal Plastic Game	Fed. 209	Rem. Power Piston #W29942	25.0	10600
RP Plastic Game	Rem. 57★	Rem. Power Piston #W29944	25.0	10700
WW Plastic Game	Win. 209	Rem. Power Piston #W29944	25.0	10900
28 GAUGE—2¾ INCH—SKEET DE—¾ OUNCE LOAD—APPROX. VELOCITY 1200 fps				
Federal Plastic Game	Fed. 209	Rem. Power Piston #W23680	18.0	9900
RP Plastic Game	Rem. 57★	Rem. Power Piston #W23680	20.0	8500
28 GAUGE—2¾ INCH—2¼ DE—¾ OUNCE LOAD—APPROX. VELOCITY 1295 fps				
Federal Plastic Game	Fed. 209	Rem. Power Piston #W23680	20.0	10900
RP Plastic Game	Rem. 57★	Rem. Power Piston #W23680	21.0	9700

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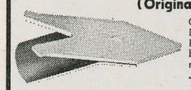

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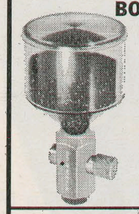

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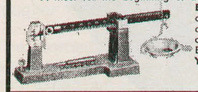

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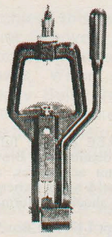

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in some heavy handgun loads as well. In accordance with the name, the powder is visually identified by occasional granules dyed blue, in the same way that Hercules Red Dot and Green Dot shotgun powders are marked by correspondingly colored granules for identification.

Blue Dot is made up of fairly thick, non-perforated flakes of .060" diameter and .010" thickness, thus much like those of Hercules Unique (which are .065" diameter by .006" thickness). The dimensions of these Blue Dot granules cause the powder to flow smoothly and measure well in handloaders' powder measures. The powder is very dense, to leave room for modern one-piece combination wads and shot containers with a full charge of shot in magnum loads.

The chemical composition of Blue Dot is described as similar to that of other Hercules shotshell powders. This means a nitroglycerine content of about 20%; the nitroglycerine makes it non-hygroscopic (not water-attracting), which is an especially desirable characteristic for a powder used in waterfowling. The thick flake provides most of the necessary control on burning rate, so only a limited amount of surface deterrent is necessary, and this makes the powder easy to ignite.

Hercules states that Blue Dot is similar to AL-7, AL-8, and 540-MS in quickness, while offering the additional advantages of being both a dense and an easily ignited powder.

Loading directions are given on the can and also printed separately. They include the following:

12-ga., 2¾" shell	1⅜ to 1½ oz. shot
12-ga., 3" shell	1⅜ to 1⅞ oz. shot
16-ga., 2¾" shell	1⅛ oz. shot
20-ga., 3" shell	1⅛ to 1¼ oz. shot
28-ga., 2¾" shell	¾ oz. shot (incl. skeet load)

Loading information for handgun cartridges is still under development.

The factory has also produced Blue Dot for loading in factory shotshells and it is now being loaded by the major ammunition manufacturers in the United States. To prevent possible confusion with canister lots sold for handloading, the blue identifying grains are omitted from the propellant used in factory ammunition.

Hercules has not stated how this new propellant will relate to the excellent Hercules Herco powder, which also is designed for use in magnum (and high velocity) shotshell loads and has been popular in that use for many years.

In any case, the new Hercules Blue Dot will be of great interest to shotgunners who load their own magnum shells.

Manufactured by: Hercules Incorporated, Industrial Systems Department, Wilmington, Del. 19889. Available in 1-lb. cans only, price appr. $3.90.

Savage/Anschutz M184 Rifle

Lightweight .22 sporter is a deluxe arm

Designed especially for small game hunting, pest control, and plinking, the new Savage/Anschutz Model 184 bolt-action sporter is chambered for the .22 long rifle cartridge and has a speed-action lock mechanism with short (¼") striker fall. It is adapted for use with either five- or ten-round detachable box magazines. The Model 184 is a deluxe arm produced by the West German armsmaking firm of J. G. Anschutz and is distributed in this country by Savage Arms.

Perhaps the most noteworthy feature of the Model 184 is its over-all weight of less than five lbs., including sights. However, its 13¾" length of pull indicates that it is suitable for adult use.

Specifications

SAVAGE/ANSCHUTZ MODEL 184 SPORTER RIFLE

Mechanism Type: Bolt-action, cock-on-opening, detachable box magazine
Caliber: .22 long rifle
Weight: Four lbs. ten ozs.
Barrel Length: 21⅝"
Over-All Length: 39⅞"
Magazine Capacity: Five rounds (Ten-round magazine available also)
Stock Dimensions: Length of pull, 13¾"; drop at comb, 1⅞"; drop at Monte Carlo, 2¼"; drop at heel, 3". Drop measurements taken from metallic sight line
Sights: Sporting style. Ramp-mounted metal bead front with detachable hood; folding leaf U-notch rear adjustable for elevation. Receiver grooved for clamp-on scope mounts
Sight Radius: 16-5/16"
Rifling: Eight grooves, right twist
Price: $77.95 (Extra magazines: five-shot, $4; ten-shot, $5.75)

Except for its detachable box magazine assembly, the small turnbolt action used in the Model 184 rifle is identical to that of the recently-introduced Savage/Anschutz Mark 10-D single-shot match rifle. In this cock-on-opening action, the root of the bolt handle is the locking lug, and it engages a cut in the right side of the receiver wall. Countersunk to enclose the cartridge head, and vented for sideward escape of gas, the non-rotating bolt head is fitted with dual extractors. The entire bolt assembly is polished bright. A red warning band on the bolt is exposed in rear of the receiver when the striker mechanism is cocked. There is a thumb safety on the left rear side of the receiver. When the safety button has been moved to engaged position, the trigger mechanism is blocked, but the bolt can be opened to extract and eject a chambered cartridge. A red warning dot on the side of the receiver is exposed when the safety is disengaged.

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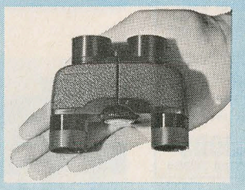

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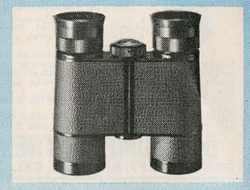

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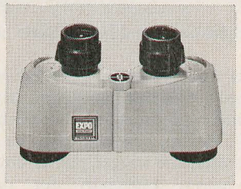

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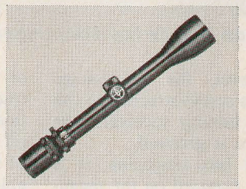

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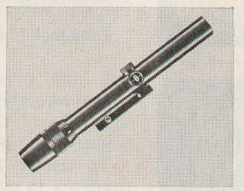

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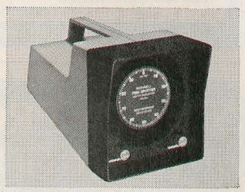

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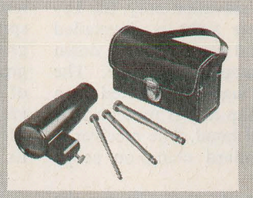

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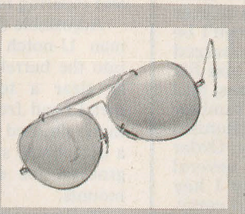

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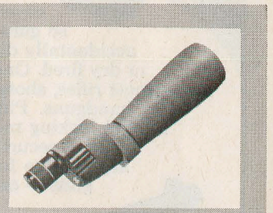

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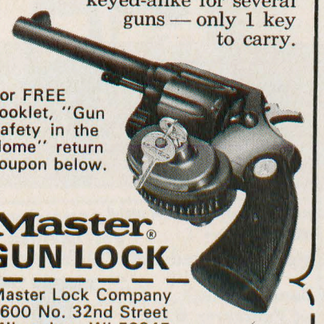

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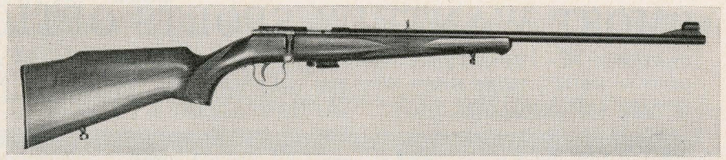
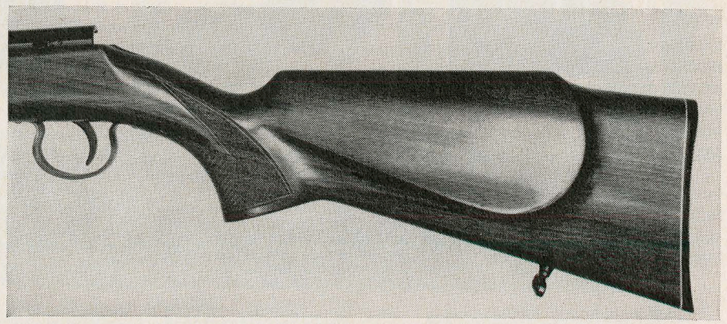


Savage/Anschutz Model 184 sporter rifle.



Buttstock of Model 184 rifle has nicely shaped cheekpiece and Monte Carlo comb.

pull and overtravel, the single-stage trigger assembly is screw-attached to the underside of the tubular receiver. The trigger finger piece is grooved.

To release the box magazine, it is necessary to push forward on the magazine catch which extends below the stock just forward of the trigger guard. The magazine can now be withdrawn. It snaps into place automatically when reinserted to full depth.

The barrel of the Model 184 rifle is slender, measuring .750" at the breech and tapering to .615" at the muzzle.

Adjustable for elevation only, the Lyman U-notch rear sight is dovetailed into the barrel and can be folded down to clear a telescope sight tube. The metal bead front sight is mounted on a matte-finished ramp and is protected by a detachable steel hood. The receiver is grooved for standard clamp-on scope mounts.

Well-proportioned throughout, the sporting style stock is of selected, gloss-finished European walnut with schnable fore-end tip, cheekpiece with Monte Carlo comb, and nicely shaped pistol grip. There are sharply checkered panels on the sides of the fore-end and pistol grip. Other stock features are a black plastic buttplate set off by a whiteline spacer, non-detachable swivels for a ⅞" carrying sling, and steel trigger guard. A single screw engaging the bottom of the receiver ring secures the barrel and action assembly to the stock.

The sample Model 184 rifle furnished *The American Rifleman* Technical Staff shows generally good workmanship throughout, except for excessive clearance between the barrel and its stock channel. With the exception of the polished bolt assembly, all metal parts of this rifle are blued or blackened attractively. General handling qualities of this little rifle are good, but with a let-off of 5½ lbs., or more than the weight of the rifle, the trigger pull is objectionably heavy, especially for off-hand shooting.

Accuracy firing of the sample rifle was done at 75 ft. over sandbag rests using match-grade ammunition functioned through the magazine. A 4X telescope sight was fitted to the rifle. Five 10-shot groups had an average extreme spread of .45", which is equivalent to 1.80 minutes of angle. Extreme spread measurement of the smallest group was .42"; the largest, .52". All groups were measured between centers of the two shots farthest apart in the groups. These results indicate that the Model 184 rifle is suitably accurate for its intended purposes.

Distributed by: Savage Arms, Westfield, Mass. 01085.

Remington RXP Shotshell

Features one-piece body and base wad

Remington has introduced a new 12-ga. trap and skeet shotshell which replaces their All American shell. Designated RXP, the new shell is offered in Remington and Peters brands and in 2¾- and 3-dram equivalent loadings with 1⅛ ozs. shot. Available shot sizes are Nos. 7½, 8, 8½, and 9, and the shot is especially hard to resist deformation during passage through the bore.

The No. 8½ shot is a new size intended for 16-yd. trap singles and the first shot at trap doubles. According to the manufacturer, this size permits the

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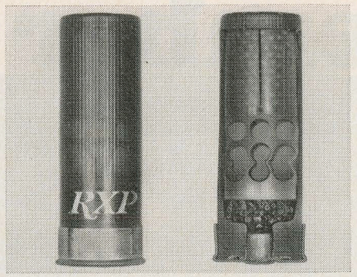


Loaded RXP shell (l.) and cutaway specimen which shows one-piece plastic case and base wad.

loading of approximately 80 more pellets per shell than No. 8 shot and thus gives a better chance of breaking the target.

An outstanding feature of the RXP shell is its one-piece, polyethylene plastic body and base wad which Remington calls uni-body design. Walls of the shell body are quite thick where they meet the base wad and are tapered internally to approximately 7/16" above the brass head. Above this, the walls are untapered. Because of the uni-body construction, the base wad cannot separate from the shell body, powder gas cannot leak down between the base wad and brass head, and the thick tapered walls in the lower part of the shell body resist buckling during reloading. The shell mouth and 8-fold star crimp have been formed to make recrimping easy and secure. Also, special care has been taken during manufacture to avoid brittleness at the front of the shell. This minimizes splits and tears in the mouth area and contributes to long reloading life.

The translucent plastic of the shell body is green in the Remington brand and blue in the Peters. Shallow longitudinal ribs on the exterior of the body blend into a smooth area 7/16" above the brass head. The RXP designation, dram equivalent, shot weight, and shot size are marked on the smooth area with hot-pressed gold lettering.

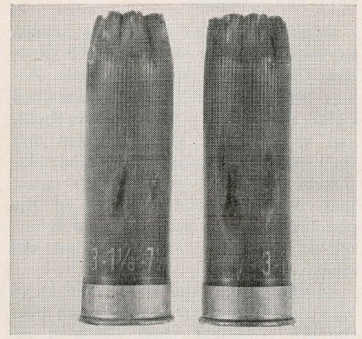
Capacity of the new shell is greater than that of the All American, and Remington has introduced a new Power Piston plastic shot-container wad designed specifically for use in the RXP. Designated W29930, this new one-piece wad is of proper length to match the increased capacity of the RXP shell, and is colored green for identification. It also features a double row of holes through the wad body, and a slightly tapered base which conforms to the tapered-interior of the shell. In addition to use in factory RXP loads, this wad is sold separately for reloading. Each box of shells contains a reloading data sheet.

Of battery cup type, the non-corrosive primer is the Kleanbore 97* which is of Winchester size and sold separately for reloading. The smokeless powder is of black color and in the form of round perforated flakes.

In tests of the RXP shell by *The American Rifleman* Technical Staff, approximately 250 rounds were fired in double-barrel, slide-action, and semi-automatic shotguns without a malfunction. Three-dram equivalent loads with 1⅛ ozs. No. 8½ shot were fired in 16-yd. trap shooting, and results were very good with scores varying from 20X25 to 23X25. Most clay birds were "smoked" at this distance, even when the shells were fired in a gun with modified-choke barrel.

The 3-dram equivalent load with 1⅛ ozs. No. 8½ shot was tested for patterning at 40 yds., the standard range for this test. Twenty rounds fired in a Remington Model 1100 shotgun with full-choke barrel gave an average pattern percentage (average percentage of pellets in a load that hit in a 30" circle) of 76%, or full-choke results. Uniformity of patterning was very good.

To test reloadability of the new shell, 25 were fired in a Remington Model 1100 shotgun and reloaded with a 3-dram equivalent load consisting of 18 grs. Du Pont Hi-Skor 700-X powder, Remington 97* primer, Power Piston W29930 plastic wad, and 1⅛ ozs. No. 9 shot. Reloading and firing were continued until more than half of the 25 shells were unserviceable.



Splits in sidewalls rendered these RXP shells unserviceable after 19 reloads.

After the shells were reloaded 18 times, all the 25 were still serviceable. Following the 21st firing, 14 were unserviceable and the test was ended. All the unserviceable shells were rendered unusable by splits in the sidewalls which caused leakage of gas in the chamber. Although the shell mouths were split, the shells could still be crimped satisfactorily. Primer pockets remained tight even after 21 reloadings. None of the reloaded shells caused the gun to malfunction, and there were no misfires.

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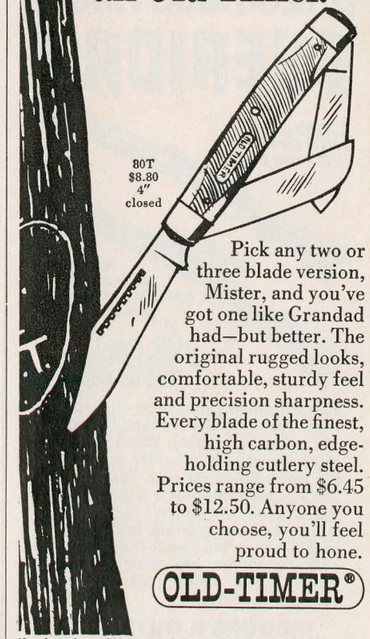

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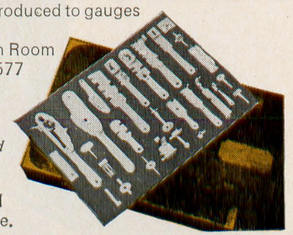

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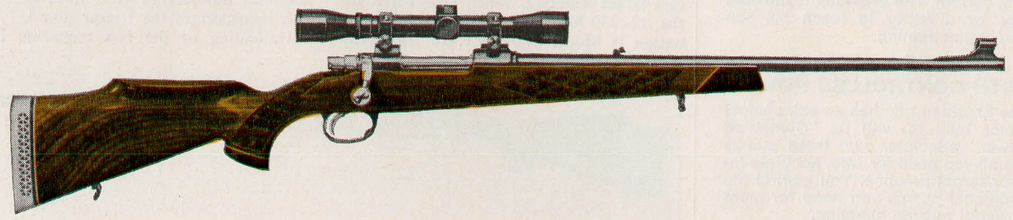

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Considerably less effort was needed to resize the brass heads of RXP shells than those of All American shells. Primer pockets in RXP shells remained tighter than those in All American shells, and crimps were more uniform and shell mouths less prone to tear and split. Insertion of the wad was also easier than in All American shells. At the conclusion of the test, the gold lettering on the shells was dulled but still visible.

In conclusion, the RXP shell is of high quality and an improvement over the All American shell which it replaces. Trap and skeet shooters will welcome the high performance and long reloading life of the RXP.

Manufactured by: Remington Arms Co., Inc., Bridgeport, Conn. 06602. Price: $3.80 per box of 25.

Model Variations

The new products described in this section are either style changes or minor variations of basic models evaluated previously in THE AMERICAN RIFLEMAN. While they do not warrant a complete product evaluation and detailed report, their existence, and how they differ from previous models, is reported as a matter of information and record.

Mossberg M800 CVT Rifle

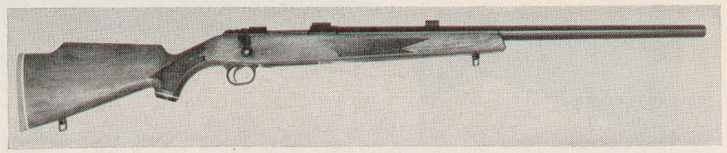
The Mossberg Model 800 rifle is now offered in heavy-barrel style for varmint and target shooting. When chambered for the .22-.250 Remington cartridge, the designation is Model 800 CVT. In .243 Winchester chambering, the designation is Model 800 BVT. Except for the difference in caliber, both versions are mechanically identical. A Model 800 CVT rifle was furnished to *The American Rifleman* by the manufacturer.

The turnbolt speedlock action of the Model 800 rifle series is of front locking type with six locking lugs on the bolt head engaging locking recesses within the receiver ring. Face of the bolt is counterbored to enclose the cartridge head and the bolt body is vented for gas escape. The plunger ejector operates from the bolt face. The extractor is recessed in the side of the bolt head.

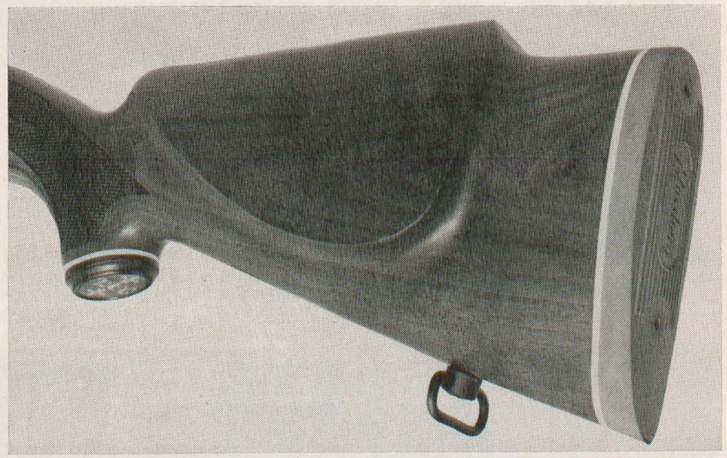
A thumb-operated sliding safety is contained in the streamlined cap on the rear of the bolt assembly. Trigger function is blocked when the safety button is in rearmost position. When in forward or "fire" position, a red enamel warning dot is exposed in rear of the button. When the safety is engaged, the bolt can be opened to extract and eject a chambered cartridge. There is adequate room to allow convenient operation of the safety under a low-mounted telescope sight.

Of two-stage type with short initial takeup, the trigger mechanism of the Model 800 CVT rifle is factory adjusted for weight of pull and slack. The trigger finger piece is grooved sharply to aid control. When the action is open, pulling the trigger lowers the combination sear-bolt stop and releases the bolt so that it can be withdrawn from the receiver. All elements of the trigger mechanism are contained in a black anodized non-ferrous alloy housing which also incorporates the trigger guard.

Unloading of the box magazine from



Mossberg Model 800 CVT rifle.



Buttstock of Model 800 CVT rifle has cheekpiece and Monte Carlo scope-height comb.



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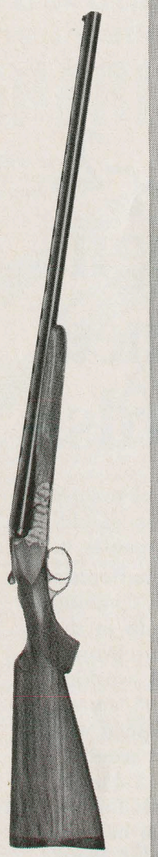

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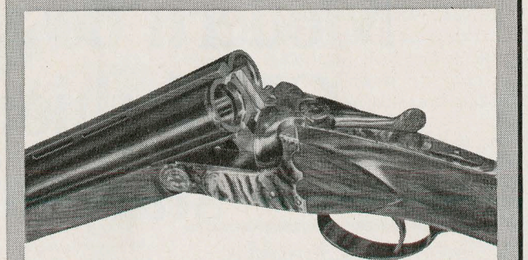

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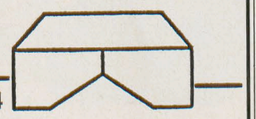

Specifications

MOSSBERG MODEL 800 CVT RIFLE

Mechanism Type: Bolt-action, staggered column box magazine
Caliber: .22-.250 Remington (Also .243 Winchester in BVT version)
Weight: 9 lbs. 11 ozs.
Barrel Length: 24-5/16"
Over-All Length: 44¼"
Magazine Capacity: Three rounds
Stock Dimensions: Length of pull, 14"; drop at comb, 1-3/16"; drop at Monte Carlo, 1"; drop at heel, 1⅝". Drop measurements taken from top of scope blocks.
Sights: None. Rifle furnished with target telescope sight blocks; barrel muzzle and receiver drilled and tapped for metallic sights.
Rifling: Eight grooves, right twist, AK-KRO-GRUV rifling
Accessories: Rubber rifle buttplate, 1" sling swivels
Price: $124.65

the bottom is facilitated by a hinged magazine floorplate released by retracting a grooved catch just forward of the trigger guard.

Turned on a straight taper, the heavy 24" button-rifled barrel is 1.125" diameter at the breech end and .825" at the muzzle. There are no attachments between the barrel and the stock.

Of modified sporting style with cheekpiece and scope-height Monte Carlo comb, the lacquer-finished American walnut pistol grip stock has a flat-bottomed fore-end almost square in cross section. The sides and bottom of the fore-end and sides of the pistol grip have decorative impressed checkered panels. There is a monogrammed black plastic cap on the pistol grip and the buttstock is fitted with a red rubber rifle pad. Both grip cap and buttplate are set off with white line spacers. Non-detachable swivels for a 1" shooting sling are standard.

Blocks on the receiver ring and barrel for the attachment of target telescope sights are standard on Model 800 CVT and BVT rifles. Metallic sights are not furnished, but the barrel muzzle and receiver bridge are drilled and tapped for target-style metallic sights.

Quality of machine work on the sample Model 800 CVT rifle furnished NRA is very good. The barrel, receiver, and floorplate assembly are polished and blued. The bolt assembly is blued except for the body portion which is engine turned.

Manufactured by: O. F. Mossberg & Sons, Inc., 7 Grasso Ave., North Haven, Conn. 06473.

Book Reviews

Unless the title of a book is followed by a star (*) the book is available from the NRA Book Service, 1600 Rhode Island Ave., N.W., Washington, D. C. 20036.

Gun Digest, 1973 Edition

Edited by John T. Amber. Digest Books, Inc., 540 Frontage Rd., Northfield, Ill. 60093. 480 pages. Paper bound $6.95.

Few gun bugs would care to miss an issue of the *Gun Digest*. Over the years this remarkable annual publication has become a standard reference, offering comprehensive product listings as well as a variety of well-chosen feature articles.

Always well-illustrated, the *Gun Digest* has grown through the years with the increasing interest in shooting sports—the first edition published in 1944 had 162 pages, the 1973 edition has 480.

In this 27th edition there are 43 feature articles covering virtually every facet of firearms interest. There are articles for the history buff, collector, hunter, and those interested primarily in the technical aspects of shooting sports. Also included are critical product reviews, product round-up pieces, and photo features.

About 200 pages of the 1973 edition are devoted to listings of current products and reference data of interest to the shooter-sportsmen. Handguns, rifles, shotguns, pellet guns, blackpowder arms, and imported guns are grouped in separate categories. Each item is described briefly, including retail price data, and many are illustrated. A similar listing is provided for metallic and optical sighting equipment. There are charts giving the ballistics of factory ammunition, a bibliography of shooting books, a periodical list, and a list of shooting-related associations. In addition, there is a glossary of firearms terms, an index, and a lengthy directory of the arms trade.

Inside the front cover of the first edition of the *Gun Digest* are these words: "The *Gun Digest* is dedicated to the millions of American sportsmen who love guns. It is our sincere hope and belief that this book will bring to its readers a greater enjoyment of hunting and shooting—and a deeper appreciation of fine guns and gun lore." Nearly three decades have passed since those words were written and the 1973 *Gun Digest* reveals continuing evidence of Editor John T. Amber's dedication to those principles—M.E.B.

Reviewed in Brief

Old Savage Catalog *

Personal Firearms Record Book Co., P.O. Box 201, Park Ridge, Ill. 60068. 48 pages. $3.50 postpaid.

In 1905, the mainstay of the Savage line of sporting arms was the Model 1899 lever-action rifle offered in many variations and calibers. Other Savage guns available were Model 1903 slide-action and Model 1904 bolt-action cal. .22 rimfire rifles. Highly-finished models and a lengthy list of options enabled the prospective buyer to select features to match his taste and income. Savage also offered accessory items such as iron and telescope sights, slings, gun cases, reloading tools, cleaning equipment, smokeless powder, and center-fire rifle ammunition.

All these items are well illustrated and described in this paperbound facsimile reprint. Also included is a price list, ballistic data, and information on sighting and cleaning rifles, and reloading ammunition.

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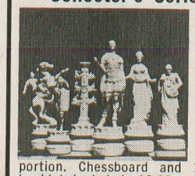

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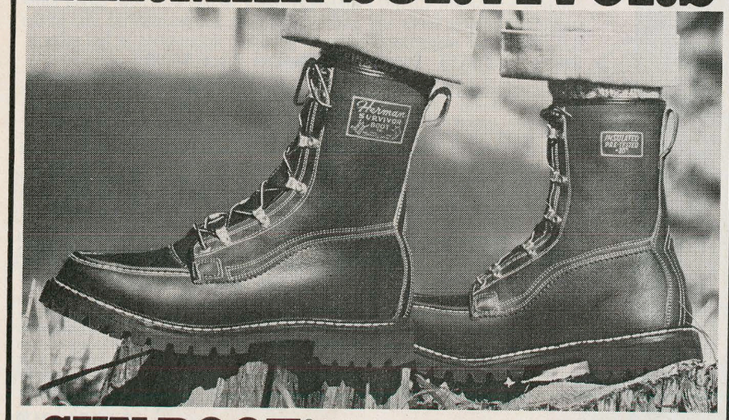

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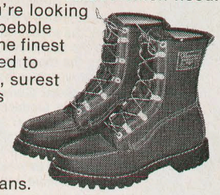

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Initials carried in "Answers" below indicate handling by: Michael E. Bussard, Frank de Haas, William Dresser, Ashley Halsey, Jr., E. H. Harrison, Herschel C. Logan, Robert W. Lowe, H. E. MacFarland, Elliott L. Minor, Ludwig Olson, Bert Popowski, Kenneth C. Raynor, Allen F. Ruffin, Jr., Charles R. Suydam, M. D. Waite, Charles H. Yust, Jr.



F.N.-Browning Cal. .25 ACP pistol with long barrel. This arm was produced for the Czech market.

Long-Barrel Browning Pistol

While in Europe several years ago, I saw an F.N.-Browning Cal. .25 ACP semi-automatic pistol with a barrel of approximately twice normal length. The barrel extended a few inches forward of the slide, which gave this vest-pocket arm an unusual appearance. In other respects, the pistol appeared normal. Was this long-barrel pistol for some special use? What was the purpose of the long barrel?

Answer: The pistol in question was produced by Fabrique Nationale in Belgium especially for the Czech market, and was listed in German gun catalogs. A German Akah catalog of 1928 gives the length of this pistol as 18 cm. (7.09"). There is information that handguns sold in Czechoslovakia were required to have a minimum overall length of 18 cm., but details on this are not available.

Many makes of small European semi-automatic pistols in addition to the Browning were available with longer than normal barrels to comply with the Czech requirement. One German catalog mentioned that it was against Czech law to replace the long barrel of these pistols with a shorter one.—L.O.

Military Rifle Magazines

Why are modern military rifles generally limited to magazines containing only 20 rounds? Even 20 was too many in bolt-action rifles because of fatigue in operating the bolt continuously, but that limitation does not apply to semi-automatic and automatic arms.

Answer: The practical limit on magazine capacity is in functioning and in the added weight on the rifle, which must be handled by muscular effort of the rifleman's arms.

It is generally considered from experience that the limit in 7.62 mm. NATO rifles is 20 rounds, which is the magazine capacity of the U.S. M14 and foreign rifles of that caliber. In the 5.56 mm. caliber of the U.S. M16A1 rifle, the ammunition is lighter and a 30-round magazine has been adopted for that rifle (*The American Rifleman,* April 1971, p. 62).

Greater capacity is obtained by belt feed, which allows a better distribution of ammunition weight and provides better for continuous fire. The U.S. M60 general-purpose ground machine gun is designed for belt feed, and this system is now normal for the automatic or machine rifles in other armies.

Shoulder arms can be designed for interchangeable magazine and belt feed if required. For example, the German firm of Heckler & Koch, which produces the present standard G3 rifle of the West German Army, offers 80-round belt feed magazines for the G3 rifle in cal. 7.62 mm. and 100-round belt feed magazines for the similar rifle in 5.56 mm. Rifles designed to take these magazines can be provided with an immediately attachable magazine adapter, so that the belt feed can be dropped off and rifle magazines used instead when desired.—E.H.H.



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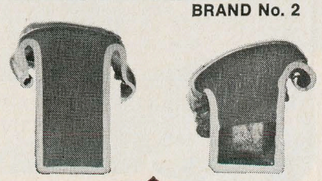

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Only SPEER employs a double-swaged hot-core process in soft point bullet manufacture. The unretouched photos show the difference.

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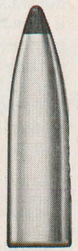

Here's proof there *is* a difference in rifle bullets. Both examples were .30 caliber spitzer bullets fired from the same barrel, at the same velocities, into the same "wetlap" target at 200 yards.

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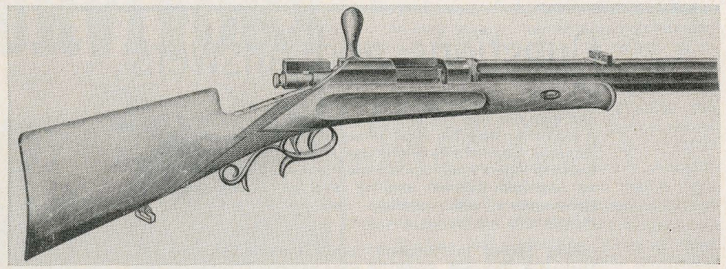


Stand rifle illustrated in a 1912 Burgsmueller catalog. Front part of barrel not shown.

Stand Rifle

My foreign bolt-action rifle is apparently for bench-rest target shooting since it weighs about 20 lbs. This single-shot arm has an action similar to that of a Mauser blackpowder rifle, and its octagon barrel is fitted with open sights. The rifled bore is approximately 21/32" diameter. Other features are a sporting-style stock, double-set triggers, and a trigger guard with curved rear extension shaped like a pistol grip. The rifle bears no maker's name. Can you provide information on it?

Answer: You evidently have a German stand rifle designed for target shooting from a rest. Also called a bird rifle, this unusual arm was sold in Germany until about the time of World War I, and was offered in various calibers and weights.

From the bore diameter you mention, your stand rifle is apparently 16-ga. A German H. Burgsmueller & Sons catalog of 1912 listed stand rifles in 16-, 20-, 24-, 28-, and 32-ga. Another reliable German source mentioned stand rifles in 12-, 16-, and 20-ga. Weight of these guns varied from approximately 14 to 22 lbs. While these rifles were normally fitted with open sights, they were available with an aperture rear sight at extra cost.

Ammunition for use in stand rifles consisted of a center-fire brass case loaded with blackpowder and a heavy lead bullet. The rifles were fired at a large wooden bird target, usually a spread eagle, on top of a pole at 20 to 30 yds. range. The shooter who shot the most wood from the bird, determined by weighing splinters, was named the "Bird King."

German and Swiss shooters used the eagle target in their festivals for many years. This was also done in the U.S. to some extent during the days of Schuetzen target shooting. In Europe, crossbows as well as rifles were used for this sport.—L.O.

Burst Rims In Over-Unders

While shooting skeet doubles with my Browning Pigeon Grade over-under gun, I experienced the two fired shells shown in the illustration. The first shot (these were reloads) was normal. The second burst the shell rim, and apparently forced the first shell forward in the barrel. There was no noticeable escape of gas from the breech and no damage to the gun. But if the burst rim had happened on the first shot, would it have fired the round in the other barrel, and what would have been the probable result?

Answer: We are glad there was no injury to your fine shotgun.

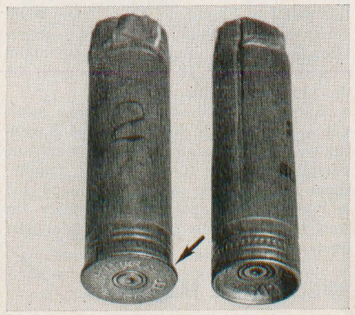
In these cases a shell, previously fired or not, is forced forward in the barrel by gas escaping from the shell fired in the other barrel ("Burst Shotshell Rims", *The American Rifleman,* July 1967, p. 79; and "Dished Shell Heads", Aug. 1967, p. 78). The gas escape may occur by either the fired shell failing to obturate or its rim bursting. Confined in the closed space between barrels and action of an over-under gun, the gas drives the other shell forward.

In all such cases known to us the unfired shell has remained unfired. Still the number of such incidents is limited, and it certainly appears possible for an unfired shell to be fired by the explosion and pressure of the gases behind it.

The escaping gas applies an abnormal strain to the gun action because of the large area on which it acts. Should an unfired shell in the other barrel be set off besides, it undoubtedly would increase the strain still more.

The old paper shells you show had evidently been reloaded several times. These were excellent paper shells and well liked for reloading. While the paper cup in the base sometimes tended to become loose in repeated reloading, and there are other possible factors, the main cause of burst shotshell rims is simply excessively high pressure.

Whatever the cause, such bursting of shotshell rims should be avoided. Its cause should by all means be found and removed from your reloading program.—E.H.H.



Burst shotshell rim (arrow), which released gas driving shell forward in other barrel of over-under gun. Such gas escapes exert an extra strain on the gun action.



This Mauser Pocket cal. .32 ACP semi-automatic pistol, commonly called the Model 1934 or Model 1910/34, bears the German Navy marking on the sideplate.

Navy-Marked Pistol

I have a Mauser cal. .32 ACP semi-automatic pistol which bears the Nazi spread eagle on the sideplate above the grip. On the bottom edge of this marking is the letter "M". What is the significance of this marking?

Answer: The marking you describe denotes that the pistol was accepted for use by the German Navy. "M" below the spread eagle stands for Marine, the German word for Navy. Since this marking is on the sideplate, your pistol is evidently a Model 1910 Pocket pistol or a later version of the Model 1910 commonly called the Model 1934 or 1910/34. These Mauser pistols are alike except that the back of the grip of the Model 1910 is straight while that of the Model 1934 is arched to provide a better fit for the hand.

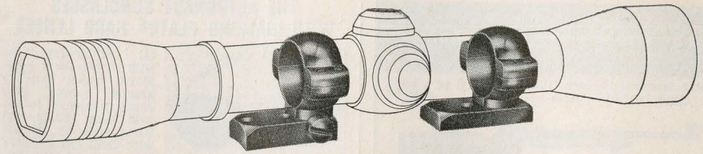
Many Mauser Model HSc semi-automatic pistols also bear the spread-eagle Navy marking, which appears on the front strap of the frame or the side of the trigger guard. On some Model HSc specimens, the Navy marking appears in both of these places.

Another type of German Navy marking has an eagle with drooping wings instead of the Nazi spread eagle. This was used just prior to the time when the spread-eagle marking was adopted.—L.O.

"Small Base" Dies

My .30-'06 Remington Model 742 automatic rifle works perfectly with factory ammunition, but often fails to close fully on my reloads. Perhaps this points to a headspace problem, though I resize my cases all the way in a full-length die and then check them in a case gauge for headspace and overall length. Is this the reason for the "small base" dies now on the market?

Answer: The "small base" case sizing dies indeed are intended for this use. They are recommended for use in reloading for various lever, slide, and self-



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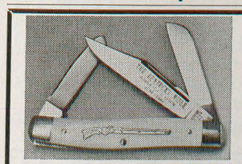

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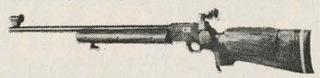

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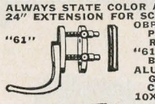

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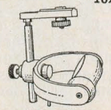

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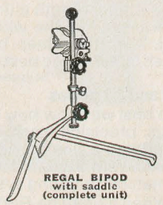

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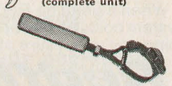

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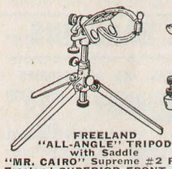

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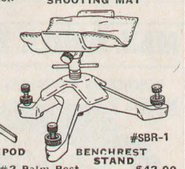

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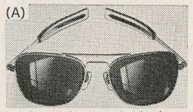

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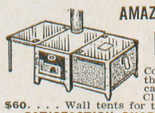

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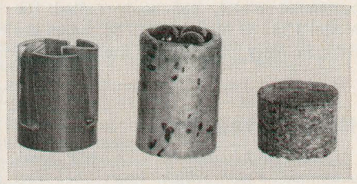
loading action rifles to make sure the reloads will chamber without difficulty.

The reason, however, is not in headspace, but in diameter of the cartridge case near its base. The "small base" dies size the fired case back down more nearly to the diameter of the factory cartridge at that point, than do the usual full-length dies.

Accordingly, the "small base" die should be specified when buying a die set to reload for the repeating rifle types mentioned above. A conventional die set is adapted for this use by replacing its full-length sizing die with the appropriate "small base" die. In dies of the same make, only the die body need be replaced.—E.H.H.



Disperser (l.) is made of blue cardboard while the concentrator (center) and its wad are made of cork.

Shot Dispersers, Concentrators

I recently acquired two boxes of shotshell reloading components which I cannot identify. One box contains 10 blue cardboard tubes about ⅞" long. Slits have been cut in the tube walls nearly the whole length, creating panels which are folded inward. The second box contains 10 cork tubes open at one end and about one inch long. Each tube is filled with 12 lead balls and each comes with a separate ½" thick hard cork wad. Can you identify these items and explain their use?

Answer: The cardboard tubes are 12-ga. shot dispersers intended for shooting at close-range targets with a tightly choked shotgun. When loaded in a shotshell with small size shot and with the unslit end downward, the folded panels are intended to divide the shot load scattering the pellets more effectively.

Made and sold in France under the trade name ARX, these shot dispersers are available in 12-, 16-, and 20-ga. as a component or loaded in a paper shell.

The cork tubes are shot concentrators which serve to protect the shot pellets from being scored by the gun barrel as they travel down the bore. In France, they are called *manchons* which means gas mantles. Usually, they are loaded only with buckshot.

The tubes should be loaded with the closed end downward on top of the hard cork wad. Either a rolled crimp or a folded crimp closing may be used.

The 12-ga. manchon with shot weighs 26 gms. and the 16-ga. manchon weighs 22 gms. It is not made in 20-ga. Currently, the manchon is made and sold in France only as a component.

Neither the disperser nor the manchon is currently imported.—M.E.B.

Preserving Bullet Molds

There has been discussion, among a group of us shooting the old lead-bullet match rifles, on the care of bullet molds. A mold with oil or grease on it will not cast good bullets, yet oiling has been necessary to keep molds from rusting. We therefore listened with interest to the following procedure described by one of the shooters:

1. Clean any new mold (or old oiled mold) with denatured alcohol.

2. Soak the mold in chloroform for 45 minutes to an hour.

3. Lift it out of the chloroform and dip it immediately into either acetone or perchlorate of ethylene (dry cleaning solvent) to remove remaining oil film.

4. Cast bullets with the clean mold.

5. After use, allow the mold to cool until it can be held in the hand, then spray with a silicone spray.

It was maintained that molds so treated require no other preservation, thus saving the effort of degreasing before each use, and also they drop bullets easily. However, some shooters were of the opinion that several applications of silicone might leave a build-up, which would change the bullet diameter and thus ruin a mold which may have been specially made for a certain rifle.

Your experience and comments would be appreciated.

Answer: It is indeed correct that a bullet mold having any oil or grease on it, especially any petroleum oil, grease, or solvent tending to soak into the iron surface, cannot cast good bullets. *The American Rifleman* published this fact a number of years ago, to end the unfortunately recommended practice of trying to burn off such contaminants by continued bullet casting. That practice led to almost endless labor and frustration for users and probably the ruin of many molds.

A cleaning procedure almost the same as the one you outline has appeared in print and certainly would be effective. It shows that the rifleman who outlined it knows how clean the mold should be. Remember that chloroform, acetone, and chlorinated solvents such as the one you mention must be used in excellent ventilation, preferably outdoors, because they are seriously harmful to breathe and some also are explosion and fire hazards.

An even more effective cleaning procedure is with dishwasher detergent. The mold blocks can be wired to the dishwasher rack and the machine run through a full washing cycle. Another way is to stand the open mold, handles up, in a small pan containing about 1½" depth of dishwasher detergent solution and boil for several minutes, then lift the mold out and rinse in hot water. This cleaning is so effective that the mold tends to rust almost immediately. Therefore do it only just before casting bullets; the heat of casting conditions the iron surface leaving it no longer especially liable to rust provided it is preserved in some way.

As to preservation, you do not identify the silicone spray. Such a spray has been marketed for use on bullet molds to make them drop their bullets easily. The short, wide bullets of handguns are easy to cast

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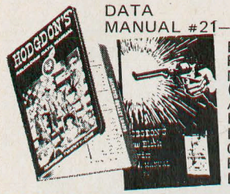

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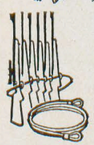

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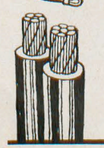

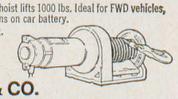

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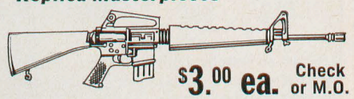

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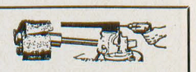

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and this silicone spray does appear to have been successful with them. But long rifle bullets are a different matter. *The American Rifleman* Technical Staff has never been able to get really good bullets of this kind from such a mold sprayed even very cautiously, the bullets refusing to fill out satisfactorily.

It is somewhat astonishing, however, that more use has not been made of the available VPI (vapor phase inhibitor) to preserve bullet molds. This chemical, sold as either treated paper wrappers or in powder form, slowly gives off a vapor which prevents the ordinary rusting of iron and steel. It is widely used by industry and the military. Items to be protected are simply wrapped airtight with a small amount of the chemical so that the vapor is not dissipated. The items remain clean and ready for use. This has obvious applications to the preservation of arms in storage but ready for use on unwrapping. It has one serious limitation as to personal arms, in that the vapor attacks some commercial stock finishes.

But it is excellent for preservation of bullet molds. The several dozen molds used as required by *The American Rifleman* Technical Staff are stored in the heavy cardboard boxes in which they came. Some VPI powder is poured into the mold cavities and a little is scattered in the box. These boxes are not airtight, but the powder still lasts quite well and preserves the molds rust-free for several months at least. When required the molds are simply taken out and the VPI washed off with hot water, of course then allowing the blocks to dry before bringing them into contact with molten lead. New molds are thoroughly degreased before first use and thereafter preserved only as above. In this way the molds are always in best condition for use.

Some molds and mold blocks, with VPI powder in the cavities, were wrapped as tightly as possible in aluminum foil to try this almost perfectly snug wrapping in long-term storage. The powder in the mold cavities suffered practically no loss by evaporation and kept the cavities in perfect condition. After a few weeks, however, rust began to appear on edges and corners of the blocks, evidently because the wrapping prevented access of the vapor to those points. While the rusting did not affect mold function it was unsightly. There is no trouble with molds stored with VPI in well closed plastic food bags. Even tight wrapping in these does not keep the vapor from reaching the outside surfaces as well as cavities of the molds.—E.H.H.

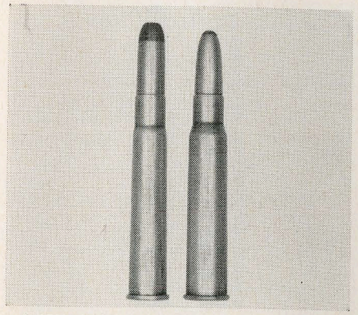
Herold Rifle

My top-break, single-shot hunting rifle which is apparently of German origin is marked "O. G. SCHERELL BERLIN W. 35" on top of the barrel. The bottom of the receiver in front of the trigger guard is marked "Herold" in script. Beneath this marking is "EINGTR SCHUTZMARKE". I found that the groove diameter of the barrel measures .321", and the rear of the chamber just forward of the counterbore for the cartridge rim is .429" diameter. The bottleneck-shaped chamber is of proper length for a German 8X57JR cartridge, but the body and rim of this round are too large in diameter for a proper fit. Can you identify this rifle and tell me what cartridge it is chambered for?

Answer: Your German sporting rifle is evidently chambered for the 8X57R/360 cartridge. The marking "Herold" was a trademark used by the manufacturer, Franz Jaeger & Co., Suhl, Germany. This firm produced high-quality hunting rifles and shotguns, but was not generally well known outside of Germany. The legend beneath this marking stands for Registered Trademark.

As with many German sporting guns, the marking on the barrel is the name and city of the original dealer for the rifle.

The 8X57R/360 cartridge was a fairly popular one in Germany for hunting deer and similar-size game. Discontinued many years ago, it is now very difficult to get. This old rimmed cartridge is loaded with a .318"-diameter bullet, not the .323"-diameter bullet which is still offered by several firms. So far as known, pressure-tested loading data for this cartridge is not available.—L.O.



8X57R/360 cartridge (I.) and 8X57JR.

Mold To Cast Different Bullets

Multiple cavity bullet molds formerly could be had to cast different bullets in the several cavities, in this way producing a variety of types with minimum investment. Wasn't this a good idea, or couldn't such molds make good bullets?

Answer: At least some molds of that kind are known to have worked well, and no doubt most could do so provided the different bullets could be cast of the same metal at the same temperature—an obvious requirement.

But experience, including that of *The American Rifleman* Technical Staff, indicates that the real defect of such molds is the unsuitable product. The user eventually will find some bullet or bullets more successful than others, and it is then tiresome and wasteful to be forced to make a quantity of types he does not want along with a proportionately reduced quantity of those he does. This consideration evidently has caused the making of molds for mixed bullet types to fall out of favor.—E.H.H.

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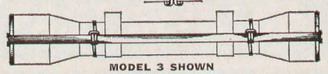

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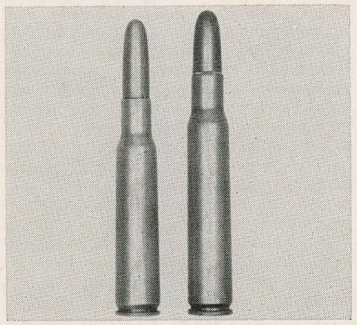
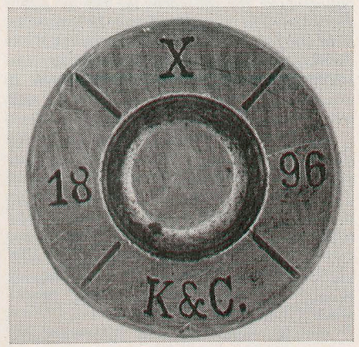


7 mm. Mauser military cartridge (l.) compared with a .30-'06 round.



Headstamp of 7 mm. Mauser cartridge produced by Keller & Co.



Saucer-shaped powder from a 7 mm. Mauser cartridge produced by Keller & Co.

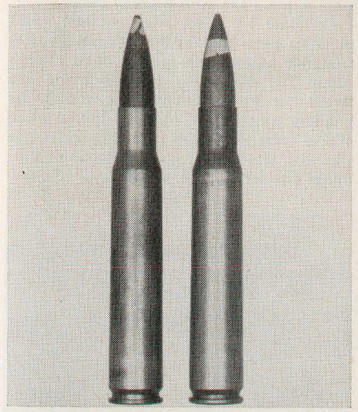
Keller & Co. Cartridge

Please identify a 7x57 mm. Mauser cartridge marked "K&C. X 1896". The round-nose bullet of this cartridge has a full metal jacket. There are twin flash-holes in the cartridge case, and the powder consists of circular grains which are dished on one side like a saucer. What was the purpose of this peculiar powder shape?

Answer: The description fits a 7 mm. Mauser military cartridge with 173-gr. bullet, and "K & C." in the marking stands for Keller & Co., the Austrian firm that produced the round. This firm was taken over by the Hirtenberg Cartridge Co. which is still in operation. "X 1896" means that the cartridge was produced in the 10th month of 1896.

As usual for most European cartridges, this round has a Berdan primer and two flashholes in the case. The powder is the Austrian military powder Model 92. Richard Mahrholdt, the Austrian arms authority, stated in his book *Waffenlexikon fuer Jaeger und Schuetzen* (Arms Encyclopedia for Hunters and Shooters) that this powder was intended to be in the form of circular discs, but it assumed a bowl shape during the drying process in manufacture.

Keller & Co. was one of the ammunition suppliers to the Spanish government during the 1890's, and many 7 mm. Mauser cartridges produced by this firm and captured during the Spanish-American War were sold in the U.S. as military surplus. —L.O.



T74 frangible cartridge (l.) shown here with M22 frangible cartridge, can be identified by its gray bullet with tan tip and green band.

T74 Frangible Ball Cartridge

I have an odd .30-'06 cartridge that I cannot identify. The brass case is head-stamped "FA 45" and the gray plastic bullet is similar in size and construction to the M22 frangible bullet. The bullet has a tan tip and a green band. Can you identify this cartridge?

Answer: You have the T74 frangible bullet cartridge loaded by Frankford Arsenal in 1945. After the standardization of the cal. .30 frangible ball M22 cartridge in April 1945, difficulty was encountered with velocities exceeding specifications by as much as 250 f.p.s. This occurred because the SR 4759 powder used in the M22 loading changed its moisture content during storage, affecting ballistics of the round.

Work was undertaken at Frankford Arsenal to correct this problem by using a different propellant. Du Pont SR 4990 was found to give excellent results and the cartridge loaded with this powder was designated T74.

The T74 frangible cartridge was assembled with the 108-gr. 50% lead dust-



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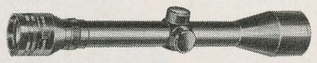

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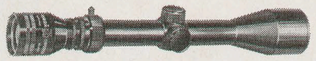

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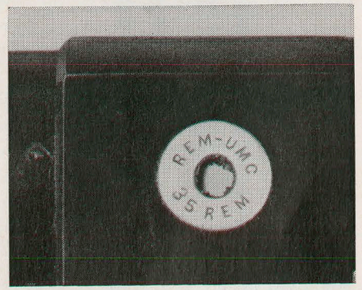
50% bakelite bullet used in the M22 frangible cartridge. A comparison of velocities and pressures shows the following:

Velocity at 35 ft.	M22	T74
	1360±30 f.p.s.	1318±8.5 f.p.s.
Pressure	3,000-6,000 p.s.i.	18,600 p.s.i.

Although T74 velocities were stable under all conditions, chamber pressures were considerably higher. This necessitated further change of the T9E3 machine gun which had been modified originally to compensate for the lower chamber pressure of M22 ammunition.

On April 23, 1945, Frankford Arsenal was directed to assemble a lot of 165,000 rounds of T74 frangible ammunition and to modify several T9E3 machine guns for use in tests to be held at Aberdeen Proving Ground. The nomenclature Cartridge, Ball, Frangible, Cal. .30 T74 was assigned to the new loading. To provide positive identification, the bullet tips of T74 ammunition were painted tan with a green band.

On June 14, 1945, two modified T9E3 machine guns and 50,000 rounds of T74 frangible ammunition were sent to Laredo Army Air Field for evaluation by the Army Air Force Training Command. As gunnery training was abruptly halted when World War II ended, the T74 frangible cartridge was neither standardized nor produced for service use.—M.E.B.



Brass plug in receiver of Remington Model 141 rifle.

Plug In Rem. Rifle Receiver

My Remington Model 141 slide-action rifle, which fires the .35 Remington cartridge, has a circular brass plug in the left side of the receiver. The plug appears to be a cartridge head and is marked "REM-UMC 35 REM". What is its purpose?

Answer: According to Remington, the brass plug is a replica of a cartridge head. Its chief purpose was to plug a locating hole. During production, this locating hole and the takedown screw hole were placed over locating pins in the fixtures of the milling machines used in manufacturing the receiver. Other purposes of the plug were to identify the caliber of the rifle and to serve as a gas relief plug. A hole of about the diameter of a large rifle primer extends through the middle of the plug and allows gas from a punctured primer or ruptured cartridge to escape.

A brass plug was featured also in the Remington Model 14 slide-action rifle which preceded the Model 141.—L.O.

In My Experience . . .

Binding The American Rifleman

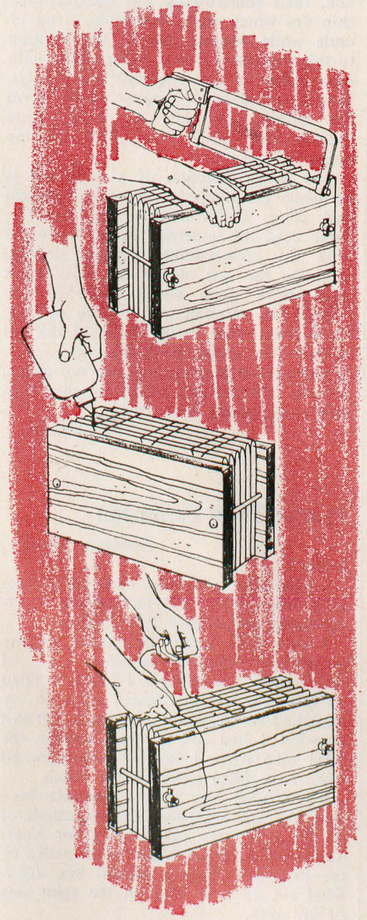
Baker, W. Va.

Editor:

Back issues of *The American Rifleman* are a valuable reference. However, loose magazines are difficult to store and may be damaged or lost. These difficulties can be minimized by binding the magazines into attractive volumes. Binding is simple and inexpensive.

All that is needed is a hacksaw, a press, bookbinders' thread or fishing line, white glue (Elmer's or Magic-Mend), and case binders. To make the press, drill two holes 13" apart through two boards. Insert two ½" bolts with wing nuts.

Thread (55¢ per skein), Magic-Mend ($1.50 per 8 ozs.), and 8½"x11½"x1¼" case binders ($7.10 per doz.) are available from Gaylord Bros., Inc., P.O. Drawer 61, Syracuse, N. Y. 13201, or 29 Aurora St., Stockton, Calif. 95201. Free when requested with an order is their booklet *Bookcraft,* which explains the binding method.



Clamp six issues of the magazine in the press so back edges extend about ⅜" beyond the edge of the press. Saw six slanting cuts about 3/16" deep to form three dovetails in the magazine backs (see illustration). Fill the cuts with glue. Start a 6-ft. strand of thread in the first cut and wind it around the first dovetail. Come out through the first cut, bring the thread down to the fourth cut and wind the second dovetail. Continue in this manner, back and forth, using up the remainder of the thread. Apply a coat of glue to the entire back of the volume and let it dry slightly before removing the volume from the press.

Open a case binder flat and put a piece of waxed paper under each side flap of the binding strip to catch excess glue. Apply a coat of glue to the binding strip. Insert the bound magazines so they are flush with the bottom of the case binder. Press the side flaps against the magazines. Remove excess glue quickly.

Close the binder and bump the back of the volume lightly on a flat surface. Allow the volume to dry with the back down and the sides supported. Write the name, volume, and date of the magazines on the back of the bound volume with white ink.

JOHN V. MILLER, JR.

Down-filled Hunting Caps

Springfield, Va.

Editor:

One of the hunter's most important items of clothing is his cap. His headgear should provide adequate weather protection and either camouflage or safety visibility.

In cold climates or regions where temperature and wind may combine to create severe wind-chill factors, an insulated cap is best. For serviceability, a hunter's cap should be water-resistant, comfortable, and easy to pack. Down-filled caps now on the market do a creditable job of meeting these requirements.

Some down-filled caps are made with tightly-woven nylon shells which shed water, yet permit evaporation of perspiration. This nylon fabric is tear-resistant and easy to clean.

Down, a fluffy, resilient substance harvested by hand from waterfowl, is the lightest, most efficient insulating material for outdoor clothing. Down-insulated caps provide excellent protection from cold in the field and also in camp where they may be worn as nightcaps in sleeping bags.

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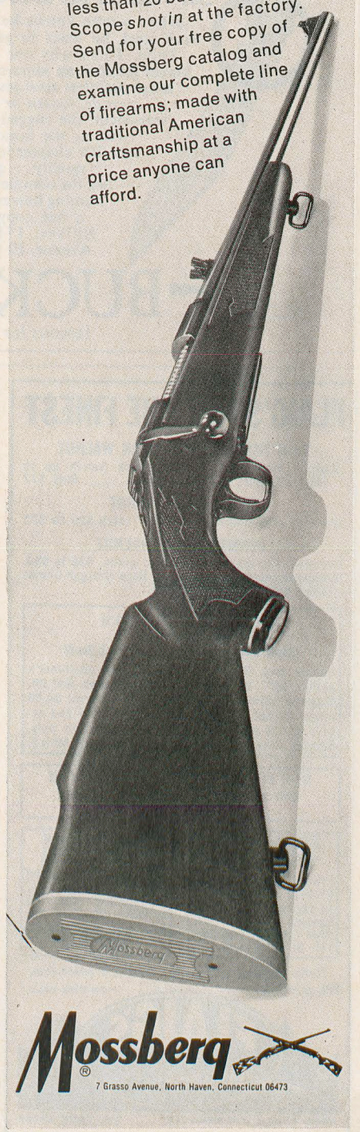

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These caps are available in camouflage and neutral colors for duck blind use and for hunting activities where low visibility is desirable and safe. In the woods, however, there is only one color to consider—hunter safety orange.

Visibility of this iridescent color was demonstrated dramatically to me last fall while hunting in Virginia's Blue Ridge Mountains. My companion was wearing blue overalls, a red-and-black checkered woolen jacket, and a safety orange cap. As I waited in camp for him at twilight, I could see his approach from a ridge line a mile away, although he was totally invisible in the fading light except for that orange hat which bobbed up and down with his stride. Clearly, the visibility of safety orange is especially important during times of poor visibility.

My own down-filled orange cap has insulated ear flaps and a baseball cap-style bill. These are two worthwhile features, but each required some alteration to suit my needs.

While the flaps can be pulled down for added warmth or folded up for ventilation, their shortcoming was shoelace-type chin ties which were impossible to tie or untie while wearing gloves. My solution to this deficiency was a leather slide with four holes to accommodate the strings. Now I can slide the leather up or down the strings, adjusting the chin straps quickly and easily even while wearing heavy mittens.

The major function of a cap's bill is to shade the hunter's eyes from sunlight and glare. Unfortunately, the manufacturer lined the underside of my cap's bill with the high-visibility orange material used for the rest of the cap. The result was severe glare which disturbed my vision. The solution was a piece of non-glare green cloth in the shape of the bill sewn to the underside of the visor.

Down-filled hunting caps are not cheap, but the comfort and protection they provide easily justify their cost.

JIM COWGILL

Primer Tube Explosion

Lewiston, Idaho

Editor:

Primer feed tubes must be handled carefully when filled and an incident I experienced underscores this vividly.

I have four primer feed tubes for my progressive shotshell reloader, each of which holds 100 primers. I formerly filled all four and laid the loaded tubes on my reloading bench within easy reach. On this occasion I had just finished loading the third tube when I inadvertently knocked one of the filled tubes off the bench.

The loaded tube hit the concrete floor vertically and exploded. The magnitude of the blast left my ears ringing for hours afterward. A primer fragment propelled by the explosion made a painful but superficial cut an inch long on the right side of my neck.

Later, I picked up the burst primer tube a few feet away from the bench. From its appearance, about half the primers had exploded. The tube was ruptured for half its length and bent double. Battery cups, primer cups, and anvils were scattered all over the floor.

When primers are stacked head-to-tail in a primer feed tube, the potential for an explosion is increased. If one primer detonates, many or perhaps all of the adjacent primers will also fire.

In 22 years of reloading this was the first incident I have had that could have caused serious injury. Reviewing the event, I must admit that carelessness on my part was the cause. Filled primer tubes were always left lying on the reloading bench where they could easily be knocked to the floor. But no more!

Following this incident, I made horizontal racks for the primer tubes above my loading bench. These racks provide positive support and are spaced several inches apart.

I always wear corrective shooting glasses with high-impact plastic safety lenses when shooting and reloading. While no primer fragments struck the lenses, the one that cut my neck could just as easily have been directed toward an eye. With all the primer components flying about, the only surprise was that I was hit only once. Effective eye protection is just as important to the reloader as strict adherence to reliable reloading data.

This incident left an indelible impression. With the careful handling I now give my primers, I'm confident I'll experience no similar incident in the future.

SCOT HETER

Free-Floating Barrel

Kings, Ill.

Editor:

Living in a sometimes dry, sometimes humid area, I fought the problem of impact change in my bolt-action hunting rifles for several years before I found a satisfactory cure for it.

First I free-float the barrel, as it is not possible to maintain a constant day-to-day zero with the fore-end pushing the barrel this way and that as the humidity and temperature change. I have observed as much as 1/16" movement in a fore-end from the dryness of winter to the humidity of summer.

Since the fore-end in a properly free-floated barrel rifle cannot influence the point of impact, all that's left to consider is the way the action is bedded and secured in the stock. So I bed the action in the stock as true as possible to insure that it is not sprung or bent. I tighten the guard screws firmly and evenly.

After a shooting session, I release the stock screws about 1/8th turn to remove some of the tension on them. When ready to shoot again, I retighten the screws to approximately the same tension as before.

I have followed this procedure for at least 10 years now with good success. Changes in point of impact are no longer a problem.

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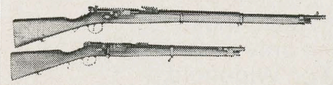

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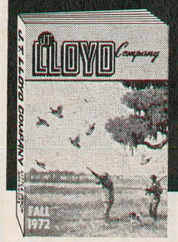

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I have read many comments decrying free-floating barrels, but to me any slight loss of accuracy is more than compensated for by maintenance of a constant point of impact for long periods of time.

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Tacoma, Wash.

Editor:

In my German 9.3x74R double rifle, reduced loads with the Lyman 245-gr. #366408 bullet, IMR 4227 powder, and a .25 gr. kapok filler, gave progressively smaller groups with powder charges increasing towards 20 grs. However, each barrel shot to its own point of impact. Powder charges heavier than 20 grs. gave more random scattering of right and left shots, and accuracy was insufficient for the small game-plinking load I needed. I concluded that the bullet bases were melting as a result of the charges used.

In response to the article, "Forming Gas Checks For Plain-Base Bullets," which appeared in the April, 1971, issue of *The American Rifleman,* I had a machinist modify my Lyman .366" bullet sizing-lubricating die by cutting a recess in it .020" deep and .510" wide. Inside edge of the recess was radiused gently.

Using .002" brass shim stock punched in .5" disks, I was able to gas check the Lyman #366408 bullet in this modified die without difficulty. The gas checks were well centered, and did not tear.

Test firing with these gas-checked bullets produced the best regulation with 24-grs. IMR 4227. At 50 yds., the group measured 1.25". Accuracy continued fair even up to the 30-gr. level. These results seem very reasonable for reduced loads in an open-sighted side-by-side double rifle.

RALPH S. BAARSLAG

Climate And Gun Care

Boulder, Colo.

Editor:

While it is standard procedure to clean guns thoroughly for storage, many of us in arid areas of the country tend to neglect cleaning and preserving those that we use daily. Apart from an occasional wipe with perhaps a silicone cloth to remove fingerprints and dust, oft-used knockabout guns go without much attention. The combination of modern non-corrosive ammunition and low humidity hereabouts has permitted me to do this for years.

It would appear from published data that a relative humidity of at least 50% is required for the hygroscopic salts from perspiration, corrosive priming mix, and other sources to cause much trouble on guns and related equipment such as loading dies and steel cleaning rods.

Although newcomers sometimes find the unaccustomed dryness a problem in that it affects them physically, I have always considered it a boon to my gun collection. Except for a through cleaning when I plan to store a gun for any length of time, I've been pretty much spoiled.

Of course, the humidity reaches high levels briefly during the normal course of the two-o'clock thunderstorms common here on the east slope of the Rockies, but it quickly drops back to the norm of 20-30%. In my experience, this brief exposure has never been a problem with my firearms.

Recently, though, the nationwide heavy rainstorms have educated me. I keep my show firearms locked in a display cabinet in the den. These are kept thoroughly cleaned and oiled, and the cabinet is air-tight. My working guns, however, are hung on hardwood pegs in the rafters of the basement where my reloading bench and shop are located. After pumping out 10" of water that had accumulated during the last storm, I forgot about the guns. They were high and dry, I thought, the water never having touched them. I installed a large fan to circulate air to facilitate drying the concrete floor, several books, and other items. However, I had forgotten that while drying out, the humidity would be higher than normal despite the exhaust fan. Within two days, the place was dry as snake rattles, but I had problems. Four guns required rebarreling and rebluing, while six needed bluing. All unchromed and unblued reloading dies had rust spots on the outside, and two seating dies needed replacing. I noted that bores of all my .22 and .38 Special guns in which lubricated bullets were fired were in good condition, but bores in which jacketed bullets were fired were not. The exception was a flat-crowned Winchester Model 52 target rifle from which I had wiped the fingerprints and residue from around the muzzle. Rust had attacked the unblued muzzle and eaten away about 0.01" off one land. A recrowning job will correct this, as all blued portions are in good condition.

I noted that loading dies used with lubricant (sizers) had not a speck of rust inside, whereas those used without lubricant had a thin coat of rust in the reamed portions.

Of those guns which were wiped, even with a dry rag, no rust showed on the blued portions. Apparently, the mere act of wiping removes or spreads most corrosive materials so that the guns are safe. Bright portions, if they have not been oiled recently, are in as much danger as unwiped blued areas. In general, I have found my experiences confirmed by other shooters I checked with after the rainstorm.

I learned a valuable, if expensive, lesson. I used to read ads for various preservatives with a slight smugness and felt secure about all those rusting problems that other people in moist climates often have. But I now wipe every gun I use with something, even if it's only a piece of toilet tissue, before laying it down. If the gun has fired jacketed bullets, I run a lightly-oiled patch down the bore.

While gun care is unquestionably easier in dry climates, I no longer feel that it can be virtually forgotten.

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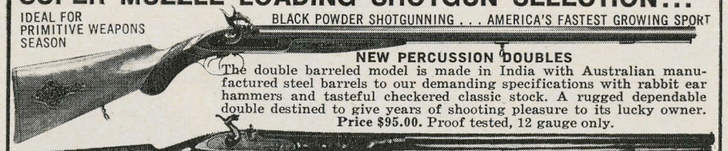

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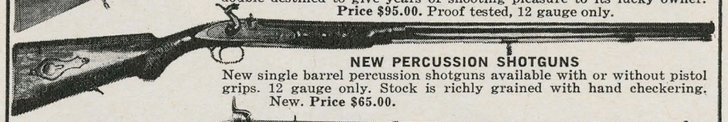

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Me And My Twenty

Weatherford, Tex.

Editor:

Throughout many years of shotgun shooting, I've used various makes of pumps and doubles in 12-ga. And through numerous seasons of bird and waterfowl hunting, I swore by a Winchester Model 97 equipped with a Cutts Compensator. But former attachments were forgotten when I acquired a Browning Superposed 20-ga.

For more than a decade now I've lived with this shotgun. Each succeeding season strengthens the attachment. Since its acquisition I've purchased only one shotgun and that was because I was in Madrid, Spain, and couldn't resist a 12-ga. double at the going price.

My 20-ga. is a standard model with 26½" barrels bored improved cylinder and modified. The list price on this model has substantially increased since my purchase, and perhaps that's another reason why I cherish it. Whether it's quail, doves, ducks, or rabbits, the gun performs efficiently—and I never blame it when I miss.

This 20-ga. is light, quick-pointing, and a pleasure to carry during long hikes. It patterns selected factory and handloads well; and it's deadly on close-flushing bobwhite with ⅞-oz. field loads of No. 8 shot. As I hold, it shoots slightly high which is ideal for rising birds and unobstructed vision. Shape and size of the action are comfortable for a one-hand carry.

Not a flyway firearm

For waterhole shooting and flushing of doves on the feeding ground, the 20-ga. is adequate. Obviously, it is not a flyway firearm. But that type of shooting is minor in my own hunting. If I'm on a waterhole stand awaiting flights of doves, I mentally project approximate 40-yd. perimeter markers. Doves which fly well inside those markers are fair game for the 20-ga.

When flushing doves on feeding grounds, I estimate range by apparent size and markings of the birds. Unless the doves have been hard-hunted, one can approach within the effective range of the 20-ga. At 35 yds. a flying dove looks like a large target—which it isn't—but the 20-ga. will drop it if pointing is accurate, particularly with 1 oz. of No. 7½ shot.

For close-range waterhole and dove feeding area shooting, I frequently use ⅞ oz. of No. 8's in the IC barrel and 1 oz. No. 7½'s in the modified barrel. I've used both handloads and factory loads in these shot sizes, the selection depending on uniformity of pattern at 30-40 yds. and wildness of the doves.

Hunting bobwhite with or without a dog, the 20-ga. asserts its superiority. Bobwhite usually are flushed close to the gun, and a good wingshot has sufficient time to drop a double before the quail are out of range. I think bobwhite are more vulnerable to pellets than dove. Vital pellet placement being the same, a bobwhite usually drops to the ground whereas a wounded dove may fly outside the shooter's range of vision and be lost.

Although IC and modified barrels of a double may be too open for some phases of dove hunting, these chokes are ideal for bobwhite. Quail flush close and fast, and the hunter needs all the pellet count and spread that is consistent with pattern uniformity. Also, pellet count is more important to the average shooter than a slight gain in velocity. For this reason, I use No. 9 or No. 8 shot, resorting to high velocity No. 7½'s only late in the season when harried bobwhite flush farther from the gun.

The most consistent patterns I have obtained (comparatively) in the 20-ga. were with ⅞ oz. of No. 8 shot. This handload was deadly on close-range bobwhite when I pointed correctly.

Even on Gambel's quail—for which many hunters prefer the 12-ga.—my 20 proved adequate at close to moderate ranges. Although these desert quail reportedly are tough, they fall when properly hit. The IC and modified barrels were satisfactory if I didn't try to stretch the range. Quite a few hunters, however, use modified and full choke borings.

During the early part of the Arizona November season, the desert quail are not so skittish, allowing a closer approach before they flush. At this time I use ⅞ oz. No. 8's in the IC barrel and 1 oz. of No. 7½'s in the modified barrel. But in the January season, when flushing is more difficult, I use loads of 1 oz. of No. 7½'s in both barrels. My bags are not as abundant, but then that's typical of all late-season hunting.

For shooting over decoys or flushing puddle ducks off ponds, the 20-ga. is adequate if the hunter is rational in range estimation. Most of my duck hunting is over Texas farm and ranch ponds, which puts me within 20-ga. range. If I'm sitting in a makeshift blind awaiting morning flights to the feed area, I use range markers as I do for waterhole dove shooting.

Range estimation

Just as in inconsiderate dove shooting, many ducks are missed or dispersed because a hunter tries to stretch his gun's range—even when using a 12-ga. Magnum. It's often been said that hits lead to hits and misses precipitate misses; hence the importance of shooting within that range consistent with the gauge, load, and shooter's ability. The 20-ga. user is more apt to be conservative in range estimation than the wielder of a bigger bore or a magnum load.

High velocity 6's, both factory and handloads, perform well in my Browning. I may pass up a lot of potential opportunities, but when I shoot and miss I blame my pointing—not the gauge or the load. On teal, gadwall, pintail, and scaup, the 20-ga. has done its job when I was equally efficient.

With No. 6 loads, 1 oz., at 40 yds. my gun patterns near the top of respective choke specifications for improved cylinder and modified. And with current ammunition having protective shot collars, or cups, the 20-ga. throws a pattern sufficiently dense for my sort of duck hunting.

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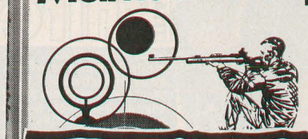

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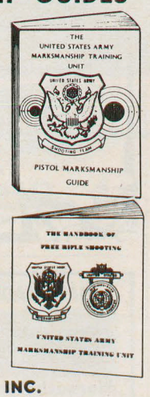

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well on running cottontails and scampering squirrels. Hunting these plentiful animals with the 20-ga. has been good conditioning for later bird and duck seasons.

The bigger gauges, and/or jolting magnum loads, are fine for longer range shooting. But the hunter who does a lot of walking, and foregoes the long shots, will find a standard 20-ga. double a light, effective and versatile gun. Its mild recoil permits continuous shooting without shoulder discomfort or flinch reaction. Although the Browning Superposed happens to be my own favorite, there are other fine doubles available in a similar, or the same, price range.

If you are conscious of recoil, or suspect flinch reaction to a 12, try the 20-ga. You may be surprised at its efficiency.

DAVID BEATIE

Replacing Front Sights

Yorktown Heights, N.Y.

Editor:

Antique firearms such as derringers, revolvers, and long arms often have damaged front sights, or the front sights are missing. Replacement sights are seldom available. The original sights may have been of brass, steel, or iron.

Many of these arms had simple blade or post front sights. Replacements can be cut from various thicknesses of brass or iron stock available in hardware or hobby stores. Even a discarded key can provide the necessary metal.

The metal is cut with a hacksaw, trimmed with bench or hand grinder if necessary, and brought to required dimensions with hand files. The replacement sight is then buffed and polished, and blued if need be. As much finishing and polishing as possible should be done before installing the sight.

It is important to provide metal for retaining the sight blade in the slot of a handgun barrel or sight base. Use of low-heat silver solder will provide a strong, neat bond without danger of overheating the barrel.

Surfaces to take the solder must be clean and bright. Files, abrasive paper, and solvent will give the proper surface. Best results are obtained with the smallest amount of solder necessary to tin (plate) the mating surfaces. The silver-solder flux is used sparingly. Excess solder can be wire-brushed away when still molten or can be removed by filing or grinding when cool. The surfaces are then fluxed again. When the sight is in proper position, heat is applied with a torch (a portable propane cylinder torch can be used) to the sight and barrel to join the mating surfaces. Graphite from a soft pencil or a solution of solvent and jeweler's rouge can be placed on the barrel to limit the flow of any excess solder.

Sweat-soldering with a minimum of solder can produce beautiful results with very little final trimming and polishing. While a replaced sight may appear original, it should not be represented as such to possible gun buyers.

FRANK M. GASTHALTER, D.D.S.

Empty Chamber Safety

Florence, Fla.

Editor:

In a recent issue of *The American Rifleman* I saw a suggestion to signal the unloaded chamber in a single-action revolver by placing colored enamel in the cylinder bolt cut lying above it. As an alternative to this method, I would like to suggest another that is effective regardless of caliber or bolt cut-chamber relationship.

After placing the hammer in the loading notch, I load one chamber, skip one, and then load the remaining chambers. After the last round has been loaded, I close the loading gate without rotating the cylinder and bring the hammer to full-cock position. Then, when the hammer is eased down, it will rest on the empty chamber.

RONALD INMAN

Plated Shot

Lewiston, Idaho

Editor:

A recent item in the Questions & Answers section of *The American Rifleman* explained the usefulness of nickel-plated shot for clay bird shooting. Plated shot also offers the hunter some advantages.

During the last several years, I have used handloads with nickel-plated shot on both upland game and waterfowl and found it superior to the hardest chilled shot. The strength imparted to the pellets by the plating allows them to penetrate game deeply with little or no deformation. I have used plated No. 4, 6, and 7½ shot on quail, chukars, pheasants, mallards and Canadian geese. On all these birds, chilled shot has a tendency to ball up feathers and down, pulling them into the flesh. But in no case have I found that this occurs with plated shot. In dressing birds I find shot deep inside them and the pellets are remarkably free of distortion.

Because of dense plumage the shot must penetrate, the plated variety shows its greatest advantage on waterfowl. In my experience, 1¼ to 1½ ozs. plated No. 4 shot makes a better goose load than the same quantity of chilled No. 2's.

While I have not yet used it, I would expect that Winchester copper-plated shot which is available to handloaders would give results virtually identical to nickel-plated shot. For the non-handloading wing shooter, Winchester also offers a variety of factory loads with their plated shot.

A disadvantage of plated shot is its high cost. At retail, it sells for about three times the cost of chilled shot in 25-lb. bags. Winchester plated shot is available in 5-lb. bags. Personally, I don't get enough shots at ducks and geese to be hurt by the added cost of plated shot. I feel that the superior performance on birds is well worth the added cost.

Plated shot is often difficult to get. In cities where there are commercial nickel plating firms, shooters might well pool their shot to have several hundred pounds plated in one batch and effect a worthwhile saving.

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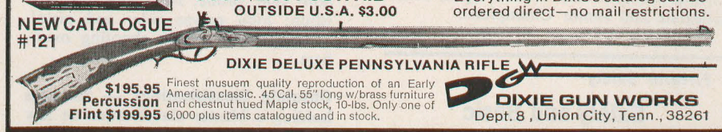

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NRA NEWS and EVENTS

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Official News

Sectional Dates In 1973

Sectionals conducted January through April

NRA-affiliated organizations interested in conducting a sectional in 1973 should contact the NRA Activities Division for information and date request forms.

Firing periods for the various types of sectionals will be:

Open Sectional—Jan. 1-Mar. 31 (smallbore rifle or .22 pistol).

Intercollegiate Sectional—Jan. 1-Mar. 31 (conventional and International smallbore rifle or .22 pistol).

Junior Sectional—Jan. 1-April 30 (conventional and International smallbore rifle).

Scores fired in sectionals are used to determine the National Indoor Open, Intercollegiate and Junior Champions.

Firearm Safety

Safety and Basic Marksmanship

Firearm Safety Training is being conducted in every State and Canadian Province. A good way to meet the demand for this training is to include it in the Basic Marksmanship Courses.

Hunter and Home Firearm Safety can be taught at the beginning, followed with the complete Basic Marksmanship Course. For details contact the NRA Activities Division.

The number of students graduated from firearm safety courses throughout the country is given below:

Home Firearm Safety

Month of July	267
Grand total to date	53,007

Hunter Safety

Month of July	35,429
Grand total to date	6,347,485

NRA Shooting Program Reminders

Information on the following NRA activities may be obtained from the NRA Activities Division, 1600 Rhode Island Ave., N.W., Washington, D. C. 20036

333 Air Rifle or Pistol Postal Matches—Entries close Dec. 31 for the fourth quarter event. Conducted for all interested shooters. One match for each gun is fired each calendar quarter.

Int'l-Type Outdoor Postal Matches—Outdoor rifle and pistol matches over ISU courses of fire are open to members of NRA or NRA-affiliated clubs. Entries close Nov. 15.

State Team Postals—Outdoor matches conducted as part of an NRA-registered State Championship for one team from each State with firing in each type of match: smallbore rifle, prone; smallbore rifle, position; high power rifle; and pistol. Teams consist of 10 shooting members.

Obsolete Classifications — Shooters holding a Master classification in any type of NRA sanctioned competition are reminded of a recent change in NRA Rule 19.9 "Obsolete Classifications and Scores", effective Jan. 1, 1972. Master shooters who have not fired in at least one sanctioned event during the past five consecutive calendar years will find their classifications and scores have become obsolete. This applies to those Masters who have not fired since 1968. Their scores and classifications will be declared obsolete Jan. 1, 1973, and removed from the files if scores are not re-received prior to this date. This does not apply to Lifetime Master classifications.

DeMolay Rifle Postal—Individual and four-man team. Open to Order of DeMolay members under 21. Cal. .22, pneumatic or CO_2 and 10-meter rifles. Entries close Jan. 1.

Preliminary Tryouts — Tournament sponsors and competitions committee chairmen are reminded and urged to schedule preliminary tryouts in all ISU courses of fire to qualify for invitation to the 13th U.S. Int'l Championships in 1973. The final cutoff date for reporting results is April 30, 1973. The U.S. Championships will include all events in the ISU program. Information pamphlets are available.

Junior Rifle Club Postal Team Matches—Open to teams of boys and girls representing junior rifle clubs and patrols affiliated with the NRA. Teams of 10 firing members, with the five high scores to count for team total. Entry closing date Nov. 30.

Winter Leagues—Rifle and pistol competition open to teams and individuals affiliated with the NRA. Leagues establish their own schedules and courses of fire.

Collegiate Postal Matches—Open to teams and individuals representing any college, junior college, or university affiliated with the NRA. Teams consist of four firing members, team captain, and coach. The program includes matches for varsity, freshmen and women firing Conventional and Int'l-type courses. Pistol course of fire is the three-stage Gallery Course of 10 shots each, slow-fire, timed-fire, and rapid-fire. Rifle course of fire for .22 rimfire rifle is 10 shots each prone, kneeling, and standing. Entries close Mar. 1.

Collegiate Qualification Program—Charms, brassards and pin type awards can be earned by regularly enrolled undergraduate students from any college or university. This program may be fired with rifle, pistol or shotgun with separate awards available for each.

13th Int'l Championships

Qualification scores required for final tryouts

To qualify for the 13th U.S. Int'l Championships, competitors must fire a minimum score in Outdoor Free-pistol events of 510 and a minimum score of 570 for the Center-Fire course. Other qualification scores remain unchanged. The 1973 Preliminary Tryout information pamphlet is available to individuals and club sponsors upon request. Write NRA Activities Division.

NRA Qualification Program

Courses available for every shooter

The NRA offers qualification shooting to satisfy the desires of almost any shooter. Programs are offered in a wide variety of pistol, rifle and shotgun sports. They cover both Int'l and standard courses, plus specialized courses such as .410 Mini Trap, Sport Shooting, Carbine and Light Rifle.

The courses are designed to give the beginner and the expert an equal opportunity for achievement at their own skill level. Qualifying scores can be fired any time by any NRA individual member or NRA-affiliated club member.

Attractive awards are available from the NRA for those who qualify. Qualification information folders are available from the NRA Activities Division.

Int'l Shooting Fund

During the month of July, 1972, the following contributions and match fees were added to the International Shooting Fund. The Fund is used to support U. S. participation in International Shooting events.

CONTRIBUTIONS

Waukegan Lakers R&P Club, Waukegan, Ill.	$128.28
Norman E. Pierce, San Francisco, Calif.	120.00
George A. Louis, Scottsdale, Ariz.	30.00
Robert D. Rutherford, Phoenix, Ariz	22.50
Miscellaneous	19.50

FEES

Angle Tree Stone Rod & Gun Club, Readville, Mass.	142.00
Rifle & Pistol Club of Ft. Benning, Ft. Benning, Ga.	125.00
Canton McKinley R&P Club, Canton, Ohio	94.00
Cherry Creek Gun Club, Littleton, Colo.	78.00
St. Joseph Valley R&P Assn. South Bend, Ind.	75.00
Medford R&P Club, Rogue, Oreg.	62.00
Berks Pistol Club, Inc. Shillington, Pa.	51.00
Washington State R&P Ass'n Bremerton, Wash.	46.00
St. Joseph Valley R&P Ass'n South Bend, Ind.	45.00
Magic City Gun Club, Birmingham, Ala.	41.00
Association of N. J. R&P Clubs, Inc. Woodbridge, N. J.	34.00
Spokane Police Pistol Club, Spokane, Wash.	31.00
Trinity Rifle Club, Dallas, Tex.	31.00
Hellgate Civilian Shooters Ass'n, Inc. Missoula, Mont.	26.00
Joplin R&P Club, Inc. Joplin, Mo.	25.00
Milan Rifle Club, Inc. Andalusia, Ill.	17.00
North Star Rifle Club, Minneapolis, Minn.	16.00
Louisiana Shooting Ass'n, Lafayette, La.	15.00
Arnold R&P Club, St. Louis, Mo.	14.00
Jamestown Rifle Club, Niobe, N. Y.	10.00
Miscellaneous	14.00
TOTAL	$1,306.28

Deceased Life Members

It is with regret that we learn of the deaths of these NRA Life Members.

Walter F. Abbott, *Port Jefferson, N. Y.*
Dean Allison, *Philipsburg, Pa.*
Frank P. Amo, Sr., *San Carlos, Calif.*
Philip Andrews, Jr., *Jacksonville, Fla.*
William E. Armour, Jr., *Memphis, Tenn.*
Robert S. Benbow, *Zephyr Cove, Nev.*
Roy E. Bingaman, *Dover, Pa.*
Clarence P. Brown, *Plymouth Meeting, Pa.*
William S. Crawford, *Gaithersburg, Md.*
Col. W. H. Dyroff, *Jersey Shore, Pa.*
Thomas C. Edgar, *Hillsboro, W. Va.*
John W. Farish, *Charleston, Ill.*
Ralph W. Fisher, Jr., *Kailua, Hawaii*
Harold J. Freer, *Fairport, N. Y.*
Albert Froede, Jr., *Florissant, Mo.*
Irwin L. Garber, *Chicago, Ill.*
Leonard Guardino, *Middle Village, N. Y.*
K. R. Hantzsch, *Milwaukee, Wis.*
Capt. Richard T. Helm, Sr., *Staten Island, N. Y.*
Rex E. Hendrixon, *Miles City, Mont.*
Charles F. Huff, *Crestline, Ohio*
Royal F. Jenkins, *San Antonio, Tex.*
Ronald R. Kennedy, *Torrington, Wyo.*
C. C. McClure, Jr., M. D., *Nashville, Tenn.*
B. G. McCoy, *Juneau, Alaska*
Joe Y. Murphy, *Danville, Ill.*
Edward T. Oakley, *Honolulu, Hawaii*
Joseph Olasz, Jr., *Dearborn, Mich.*
Don S. Pate, *Oak Harbor, Wash.*
Herbert M. Petersen, *Bauan Batangas, P. I.*
Lewis N. Phillips, *Torrance, Calif.*
Edward M. Schaub, *Idaho Falls, Idaho*
Wilho E. Setala, *Hoyt Lakes, Minn.*
Gilbert D. Shivers, *Waldoboro, Maine*
Harry Sleep, *Darlington, Wis.*
Bartlett A. Taylor, Jr., *Kearsarge, N. H.*
Jerome Timler, *Toledo, Ohio*
Mervyn J. Tock, *Chicago, Ill.*
S. C. Umbower, *Roaring Spring, Pa.*
Dugald Walters, *Philadelphia, Pa.*
Richard Warren, *Pittsburg, Calif.*
James L. Whitwood, *St. Marys, Pa.*
David M. Williams, *Knoxville, Tenn.*
William L. Wong, *Oakland, Calif.*
Berdell J. Wood, *Susanville, Calif.*
Ellis H. Wood, *Yardley, Pa.*
James W. Woolrey, *Canon City, Colo.*
Stuart M. Young, *Chowchilla, Calif.*
George M. Zeller, *Santa Ysabel, Calif.*

Coming Events

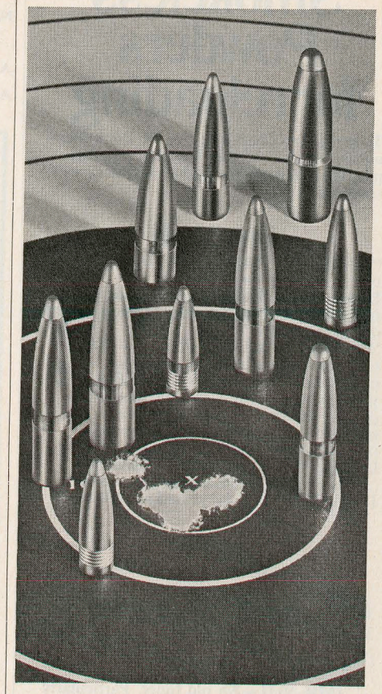
Tournaments

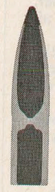
Listed here are all registered and approved tournaments for the next three months. In order to be listed, dates must be authorized by NRA by the 20th of the second month preceding publication. If interested in entering a tournament, contact individual shown.

(A)—Designates approved tournaments. All others are registered.

*—Designates indoor tournaments. All others are outdoor.

a distinctive group





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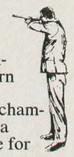

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NEBRASKA (Hastings)—**(A)** 50M 3-Position. G. L. Anderson, RR #1, Axtell, 68924. **Nov. 17-19*.**

AIR RIFLE

ARIZONA (Phoenix)—**(A).** L. Ussery, 5722 N. Black Canyon #23, 85017. **Nov. 5, Dec. 3.**
NEBRASKA (Hastings)—G. L. Anderson, RR #1, Axtell, 68924. **Nov. 17-19*.**

INTERNATIONAL PISTOL

ARIZONA (Phoenix)—**(A).** D. Bronson, 301 E. Riviera, Tempe, 85282. **Oct. 14, Nov. 18, Dec. 16.**
ARIZONA (Phoenix)—**(A)** Rapid Fire. C. E. Haff, Jr., 437 No. MacDonald St., Mesa, 85201. **Oct. 29*.** Registered Free Pistol. **Dec. 31*.**
CALIFORNIA (Duarte)—**(A)** RF, CF, SF & Standard Pistol. T. H. Greenlee, 5102 N. Peck Rd., El Monte, 91732. **Oct. 29.**
MASSACHUSETTS (Cambridge)—Free Pistol. T. P. McLennan, 9 Newbury St., Woburn, 01801. **Oct. 29*, Nov. 12*, Dec. 10*.**
NEBRASKA (Hastings)—**(A)** 50M Free. G. L. Anderson, RR #1, Axtell, 68924. **Nov. 17-19*.**

AIR PISTOL

ARIZONA (Phoenix)—**(A).** L. Ussery, 5722 N. Black Canyon #23, 85017. **Nov. 5, Dec. 3.**
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NEBRASKA (Hastings)—G. L. Anderson, RR #1, Axtell, 68924. **Nov. 17-19*.**

TIPS ON COMMERCIAL RANGES

THE NRA Range Facilities Department receives many inquiries about public commercial ranges each year, although relatively few such ranges exist. Misconceptions about them are more plentiful.

One of these misconceptions is that a commercial range is a way to get rich quick. Others are that the NRA, or some other benevolent organization will finance such a range; that a commercial range can be built for practically no money; that there is no need for a nest egg to tide the range over during the early years.

All of these notions are false, for if a commercial range is to succeed financially, it must be treated just as any other business venture. There is no magic way to succeed in business without really trying, or without money.

Many commercial range operations in the United States have had a long history of poor management and financial ills that resulted in bankruptcy. A few have survived and prospered. While their success cannot be measured or described by any one factor, the following are some suggestions from one of the more consistently prosperous ranges, the Blue Trail Range, 316 N. Branford Rd., E. Wallingford, Conn. 06492.

1. Do a market study before building a range. Determine which type or types of shooting will provide income. Plan to provide facilities for these types of shooting, allowing space for expansion to take in other facets of the shooting sports.

2. Provide space for a pro shop where guns, ammo, and accessories may be purchased. Keep prices reasonable, and deal fairly with the customers. Allow a discount to regular customers whenever possible.

3. Recognize that the largest part of range income will not be from competitive shooting, but from casual shooters and plinkers. Hunters will provide quite a lot of activity with big game season in the fall, and varmint hunters will be around in the spring. At other times of the year, hunters can be discounted, although a few will be test firing and practicing all year.

4. Insist that all facilities be designed as compactly as possible so they may be supervised with a minimum of personnel during slow periods. Types of shooting activity should be kept separate by appropriate spacing, or different timing.

5. Provide a pleasant atmosphere. Try to have areas for picnicking and play for children. The whole family must be sold to get maximum business.

6. Get a range manager who has a thorough knowledge of the types of shooting to be carried out on the range. He must also be a good business manager and an aggressive promoter of activities.

7. Although competition will probably not be the largest source of income, it can provide a steady source when matches are run in a competent manner. Good relations with local clubs will result in a steady influx of business from their shooters, especially where club ranges are scarce or inadequate.

8. Utilize NRA programs in training, safety, and qualifications. The NRA has a multitude of shooting programs which can be of interest to all age groups.

9. Sell shooters on the programs which are carried out on the range. Keep before them the fact that you are providing a service in much the same way that golf courses, ski slopes, and bowling alleys do, but with a much wider variety of activities. Remember that the survival of your range depends largely on how well you sell this concept to the shooters in your area.

The NRA can, and does, provide assistance in planning ranges for clubs and other groups. Basic plans are available for different types of ranges. Planning assistance for commercial ventures is available from the NRA as time and money allow. No on-site supervision of construction is offered by the NRA. It is suggested that competent engineers be retained, as well as an attorney, when a commercial venture is contemplated.—E. D. ANDRUS

MOVING TARGET

CALIFORNIA (Long Beach)—300 Tgts. Skeet & Clay Pigeon. J. Pullman, 23000 So. Alameda Blvd., 90810. **Oct. 20-22.**
GEORGIA (Ft. Benning)—**(A)** 300 Tgts. Skeet. MAJ G. D. Horner, USAMKTU, 31905. **Oct. 20-22. (A)** 300 Tgts. Clay Pigeon. **Oct. 27-29.**
MISSOURI (Pacific)—300 Tgts. Skeet & Clay Pigeon. W. H. Cox, P.O. Box 100, 63069. **Oct. 6-8.**

1972 REGIONAL CHAMPIONSHIPS

SMALLBORE RIFLE PRONE

FLORIDA (Tampa)—Sgt. H. Huerta, P.O. Box 15275, 33614. **Nov. 18-19.**

PISTOL

PUERTO RICO (Bayamon)—M. J. Lopez, P.O. Box 758, Guaynabo, 00657. **Dec. 8-11.**

STATE CHAMPIONSHIPS

CONVENTIONAL SMALLBORE RIFLE

CALIFORNIA (Commerce)—Junior So. Sec., K. H. Odenweller, 7364 Rio Hondo Pl., Downey, 90241. **Dec. 17*.** Junior No. Sec., **Dec. 17*.**
FLORIDA (Melbourne)—Junior-North Div. G. 13601 S. W. 77th Ave., 33158. **Oct. 21-22. Oct. 21-22.**
FLORIDA (Miami)—Junior-South Div. J. Bush, 13601 S. W. 77th Ave., 33158. **Oct. 21-22.**
KANSAS (Topeka)—N. Swartz, 401 Apollo, Silver Lake, 66539. **Oct. 15.**
NEW JERSEY (Tenafly)—Ptl. P. J. Devlin, P.O. Box 11, Woodbridge, 07095. **Dec. 2-3*.**
NEW YORK (Peekskill)—Junior Position. J. A. Methven, 209 Huron St., Brooklyn, 11222. **Oct. 14-15.**

INTERNATIONAL-TYPE SMALLBORE RIFLE

NEW YORK (West Point)—Junior. J. A. Methven, 209 Huron St., Brooklyn, 11222. **Nov. 11-12*.**

HIGH POWER RIFLE

ARIZONA (Phoenix)—Long Range. J. T. Hart, Jr., 333 W. Country Gables Dr., 85023. **Nov. 25-26.**
LOUISIANA (Amite)—N. H. Sand, 1447 Granada Dr., New Orleans, 70122. **Nov. 11-12.**

PISTOL

ARIZONA (Phoenix)—C. E. Haff, Jr., 437 MacDonald St., Mesa, 85201. **Nov. 4-5*.**
CALIFORNIA (City of Commerce)—M. K. Opsitnik, 5711 Trinette Ave., Garden Grove, 92645. **Nov. 11-12*.**
KANSAS (Topeka)—H. J. Carpenter, 913 W. 6th, 66606. **Oct. 7-8.**
MARYLAND (Sudlersville)—Delaware State. G. R. Lewis, Main & Commerce St., Cheswold, Delaware, 19936. **Oct. 21-22.**
OHIO (Middlebranch-Canton)—L. D. Gorbics, 162 Warren Ave., Elyria, 44055. **Oct. 8.**
OKLAHOMA (Skiatook)—D. W. Gulick, P.O. Box 4302, Tulsa, 74104. **Nov. 4-5.**

AIR PISTOL

CALIFORNIA (City of Commerce)—M. K. Opsitnik, 5711 Trinette Ave., Garden Grove, 92645. **Nov. 11-12*.**

MOVING TARGET

MISSOURI (Pacific)—300 Tgts. Skeet & Clay Pigeon. W. H. Cox, P.O. Box 100, Pacific, 63069. **Oct. 6-8.**

OTHER TOURNAMENTS

CONVENTIONAL SMALLBORE RIFLE

ALABAMA (Birmingham)—H. H. Hutcheson, 551 Goldenrod Dr., 35215. **Oct. 7-8.**
ALABAMA (Mobile)—**(A)** Prone. C. S. Murden, 270 Morgan Ave., 36606. **Oct. 22.**
ALASKA (Fairbanks)—**(A).** Dr. J. E. Morrow, 6½ Mile Farmers Loop, 99701. **Oct. 27-29*, Nov. 10-12*, Dec. 8-10*.**
ARIZONA (Tucson)—**(A)** Position. R. Swineford, 5208 E. 27th St., 85711. **Oct. 15, Oct. 29.**
CALIFORNIA (Brea)—**(A)** Position. J. E. Ogden, 6746 Champagne Circle, Yorba Linda, 92686. **Oct. 10, Dec. 5*.**
CALIFORNIA (Duarte)—(A) Prone. W. T. Dech, 1743 Burton Rd., Glendora, 91740. **Oct. 14, Nov. 11. (A)** Position. **Oct. 21, Dec. 16*.**
CALIFORNIA (El Monte)—(A) Prone. J. F. Lane, Box 942, La Habra, 90631. **Oct. 29, Dec. 31.**
CALIFORNIA (San Leandro)—Junior. J. L. Rothrock, 27830 Barcelona Ave., Hayward, 94545. **Dec. 3*.**
CALIFORNIA (Sharp Park)—Junior Position. Mrs. R. Griffiths, 1518 Fernside Blvd., Alameda, 94501. **Nov. 5.**
DISTRICT OF COLUMBIA (NRA Range)—**(A).** B. Parmentier, 8505 Doter Ave., Alexandria, Va. 22308. **Oct. 21*, Nov. 18*, Dec. 16*.**
FLORIDA (Hollywood)—Prone. Mrs. G. H. Rossman, 2511 Fillmore St., 33020. **Oct. 14-15.**
FLORIDA (Hollywood)—Mrs. M. A. Mounsey, 8900 Grand Canal Dr., Box F615, Miami, 33144. **Nov. 18-19.**
FLORIDA (Mims)—**(A).** A. E. Matthieu, P.O. Box 6482, Titusville, 32780. **Oct. 22.**
FLORIDA (Winter Haven)—**(A)** Prone. J. W. Long, P.O. Box 2087, 33880. **Oct. 22. (A)** Position. **Nov. 26.**
ILLINOIS (E. Alton)—**(A)** Prone. W. Read, 304 Grand Ave. 62024. **Oct. 8.**
ILLINOIS (Elgin)—F. C. Haese, 18 No. Porter, 60120. **Nov. 18-19*.**
INDIANA (South Bend)—**(A)** 100 Shot Off-hand. Mrs. G. R. Horner, 1115 N. Huey St., 46628. **Dec. 10*.**
MAINE (Damariscotta)—**(A)** J. Fuller, 04543. **Dec. 3*.**
MAINE (Great Works)—**(A).** E. Turner, 40 Jameson St., Old Town, 04468. **Oct. 28-29*.**
MISSOURI (Kansas City)—**(A)** Prone. C. N. Kerr, 4545 S. Spring, Independence, 64055. **Oct. 8.**
NEW JERSEY (Jackson Township)—**(A).** J. Abelman, 20 Devonshire Ct., Middletown, 07748. **Nov. 25-26*.**
NEW JERSEY (Tabernacle)—**(A)** Position. F. R. Rothenbach, 9 Champlain Rd., Marlton, 08053. **Oct. 22.**
NEW JERSEY (Tenafly)—Prone. Ptlm. P. J. Devlin, P.O. Box 11, Woodbridge, 07095. **Oct. 28-29*.**
NEW JERSEY (Woodbridge)—Junior Prone. Ptl. P. J. Devlin, P.O. Box 11, 07095. **Oct. 7.**
NEW YORK (Schenectady)—100-Shot Offhand. R. D. Montanye, 220 Glen Ave., Scotia, 12302. **Oct. 7-8* & 14-15*.**
NEW YORK (Staten Island)—**(A).** M. C. Chiarini, 122 Penn Ave., 10306. **Oct. 21-22.**
NORTH DAKOTA (Cando)—**(A).** D. Haugen, 58324. **Dec. 1-3* & 8-10*.**
OHIO (North Olmsted) —**(A).** J. A. Kaufman, 3014 Standish Ave., Parma, 44134. **Nov. 10-12*.**
PENNSYLVANIA (Bethlehem)—**(A).** R. C. Hutchison, 2115 Stefko Blvd., 18017. **Oct. 29*.**
PENNSYLVANIA (Dauphin)—Mrs. C. D. McElwee, RD #1, Box 27, 17018. **Oct. 14-15.**
TENNESSEE (Chattanooga)—Prone. W. J. Bonine, 4931 Court Dr., 37412. **Oct. 21-22.**
TEXAS (Houston)—(A) Prone. Mrs. N. Holmstrom, 5402 Valkeith Dr., 77035. **Dec. 3. (A).** Prone & Position Invitational. **Nov. 5.**
TEXAS (Kelly AFB)—Position. T. M. Hardgrave, 163 Allenhurst Dr., San Antonio, 78227. **Oct. 11*, Nov. 8*, Dec. 13*.**
TEXAS (Texas City)—**(A).** J. I. Elsey, 104 Crestway, Baytown, 77520. **Oct. 28*, Nov. 18*.**
VIRGINIA (Quantico)—Sec. MCB Rifle & Pistol Club, P.O. Box 212, 22134. **Nov. 4-5*, Dec. 2-3*.**

INTERNATIONAL-TYPE SMALLBORE RIFLE

CALIFORNIA (Brea)—**(A)** Position. J. E. Ogden, 6746 Champagne Cir., Yorba Linda, 92686. **Nov. 7.**
CALIFORNIA (Duarte)—**(A).** Position. W. T. Dech, 1743 Burton Rd., Glendora, 91740. **Nov. 18.**
CALIFORNIA (San Leandro)—Junior Position. J. L. Rothrock, 27830 Barcelona Ave., Hayward, 94545. **Oct. 8*.**
DELAWARE (Laurel)—**(A)** Junior. F. W. Rennie, 2705 Fawkes Dr., Wilmington, 19808. **Oct. 21, Nov. 19*, Dec. 17*.**
KENTUCKY (Lexington)—Position. MAJ D. M. Phillips, USA ROTC Instr. Gp., U. of Ky., 40506. **Nov. 10-12*.**
MICHIGAN (Kalamazoo)—**(A).** MAJ J. M. Hagman, Mil. Science Dept., Western Michigan Univ., 49001. **Nov. 16-19*.**
TENNESSEE (Johnson City)—Invitational. Cpt. J. G. Rinecker, East Tennessee State Univ., 37601. **Oct. 27-29*.**
VIRGINIA (Quantico)—COL S. Parmentier, 8505 Doter Dr., Alexandria, 22308. **Oct. 22*, Dec. 24*.**
VIRGINIA (Quantico)—R. Thorkildsen, 5118 Cherokee Ave., Alexandria, 22312. **Nov. 24-26*.**

HIGH POWER RIFLE

ALABAMA (Birmingham)—**(A).** W. J. Wingo, 902 Saulter Rd., 35209. **Nov . 25.**
ALABAMA (Birmingham)—**(A).** T. O. Smith, 1121 Brown Marx Bldg., 35203. **Oct. 29, Dec. 31.**
ARIZONA (Phoenix)—**(A).** H. Dorsey, 9425 So. 8th Ave., 85041. **Nov. 19, Dec. 10.**
ARIZONA (Tucson)—**(A).** G. C. Winkelman, 721 S. Bryant, 85711. **Oct. 8, Nov. 12, Nov. 19.**
CALIFORNIA (Camp Pendleton)—Mrs. H. K. Chai, P.O. Box 1460, Oceanside, 92054. **Oct. 22, Nov. 26, Dec. 2-3.**
CALIFORNIA (Castaic)—G. S. Bayer, 1120 W. Grant St., Wilmington, 90744. **Oct. 15, Nov. 19.**
CALIFORNIA (China Lake)—**(A).** R. A. Gould, 647 Felspar Street, Ridgecrest, 93555. **Oct. 14.** Registered. **Nov. 11.**
CALIFORNIA (Duarte)—**(A).** T. H. Greenlee, 5102 N. Peck Rd., El Monte, 91732. **Oct. 22, Nov. 26, Dec. 24.**
CALIFORNIA (Milpitas)—**(A).** G. Schmidt, 6734 Mt. Leneve Dr., San Jose, 95120. **Oct. 7.**
CALIFORNIA (Stockton)—**(A).** C. E. Hatfield, 734 Rose Marie Lane, 95207. **Oct. 8, Nov. 12, Dec. 10.**
CALIFORNIA (Twenty-Nine Palms)—CWO4 D. D. Gracey, Hq. 1st FAG, FORTRPS, FMF, 92278. **Nov. 17-19.**
CALIFORNIA (Vandenberg AFB)—M. G. Woodworth, Trailer Park #1, Space 35, 93437. **Oct. 28-29.**
DELAWARE (Bridgeville)—N. H. Cannon, RFD 1, Box 265A, Greenwood, 19950. **Oct. 8.**
GEORGIA (Ringgold)—**(A).** R. G. Grim, 3263 Majestic Circle, Avondale Estates, 30002. **Nov. 4-5.**
INDIANA (Richmond)—**(A).** R. E. Moak, Jr., 2616 Willow Dr., 47374. **Oct. 8.**

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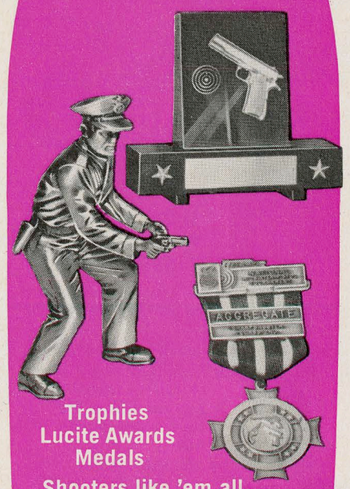

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KANSAS (Salina)—**(A).** D. Goheen, 419 E. 3rd., Beloit, 67420. **Oct. 7-8.**
LOUISIANA (Amite)—**(A).** N. H. Sand, 1447 Granada Dr., New Orleans, 70122. **Oct. 8.**
MAINE (Augusta)—**(A).** P. LaRochelle, RFD #4, 04330. **Oct. 8.**
MISSOURI (Marshall)—**(A).** G. Hamilton, Box 87, Miami, 65344. **Oct. 14-15.**
NEVADA (Boulder City)—J. L. Thomson, 6104 Edgewood Cir., Las Vegas 89107. **Nov. 11-12.**
NORTH CAROLINA (Camp Lejeune)—Sec., Camp Lejeune R&P Club, P.O. Box 108, Tarawa Terr., 28543. **Oct. 21-22.**
NORTH CAROLINA (Charlotte)—**(A).** W. A. Norman, 4300 Chandworth Rd., 28210. **Oct. 7.**
NORTH CAROLINA (Cherry Point)—H. D. Worley, P.O. Box 68, Havelock, 28532. **Oct. 28-29.**
NORTH CAROLINA (Farmington)—**(A).** R. A. Moxley, 1070 Linger Rd., Winston-Salem. 27107. **Nov. 12.**
OHIO (Camp Perry)—**(A).** L. A. Brown, Jr., 612 High St. S.E., Canal Fulton, 44614. **Oct. 7-8.**
OHIO (Cincinnati)—**(A).** J. G. Baron, 7467 Hosbrook Rd., 45243. **Oct. 5.**
OKLAHOMA (Arcadia)—**(A).** K. D. Brundage, Jr., 2221 Westchester Dr., Oklahoma City, 73120. **Oct. 29, Nov. 26, Dec. 26.**
OKLAHOMA (Skiatook)—**(A).** A. W. Griffin, 4743 S. Maybelle, Tulsa, 74107. **Oct. 7-8, Nov. 11-12, Dec. 9-10.**
PENNSYLVANIA (Williamsport)—**(A)** 1,000 Yds. R. R. Moorhead, Box 6, Athens, 18810. **Oct. 22.**
PHILIPPINES (Subic Bay)—**(A).** A. U. Everett, USNAS Box 35, FPO San Francisco, CA 96654. **Oct. 8, Nov. 12, Dec. 10.**
SOUTH CAROLINA (Givhans)—**(A).** A. C. Toland, 1111 San Juan Dr., Charleston, 29407. **Oct. 28-29, Nov. 18-19.**
SOUTH CAROLINA (Spartanburg)—**(A)** Invitational. R. A. Hendrix, 132 Continental Dr., 29302. **Oct. 14.**
TENNESSEE (Memphis)—**(A).** J. E. Norris, 2425 Nunnelee Ave., 38127. **Oct. 29, Nov. 19.**
TEXAS (Allen)—**(A).** S. W. Davidson, 2217 Sharon Dr., Garland, 75041. **Oct. 8.**
TEXAS (Beaumont)—**(A).** Dr. H. F. Mallett, 1722 Nederland Ave., Nederland, 77627. **Oct. 28-29, Nov. 18-19, Dec. 9-10.**
TEXAS (Houston)—Mrs. L. Stenback, 5518 Lymbar, 77035. **Oct. 14-15. (A). Nov. 19, Dec. 17.**
TEXAS (Orange)—**(A).** R. C. Blackstone, 1805 W. Hart St., 77630. **Oct. 8.**
TEXAS (San Antonio)—F. E. Greco, 528 Kellack Rd., 78236. **Oct. 14-15.**
VIRGINIA (Appalachia)—**(A).** W. R. Lyle, 1412 Shawnee Ave., Big Stone Gap, 24219. **Oct. 15.**
WASHINGTON (Puyallup)—J. L. Parr, 1723 So. Prospect, Tacoma, 98405. **Nov. 26.**

CONVENTIONAL PISTOL

ALABAMA (Birmingham)—**(A)** 2700. W. H. Kerns, 800 Montclair Rd., 35213. **Oct. 8, Nov. 5.**
ALABAMA (Birmingham)—(A) 2700. A. H. Vandegriff, 610 16th Pl. S. W., 35211. **Nov. 26.**
ALABAMA (Birmingham)—**(A)** 900. J. J. Lindsay, 513 Ridgeway Rd., Fairfield, 35064. **Oct. 22.**
ALABAMA (Dothan)—**(A).** N. Peters, Jr., 508 So. Pontiac Ave., 36301. **Nov. 5, Dec. 3.**
ALABAMA (Guntersville)—**(A)** 2700. D. D. Stoppel, 3622 Stag Run Dr., Huntsville, 35810. **Oct. 15, Nov. 11.**
ALABAMA (Redstone Arsenal)—**(A).** H. G. Edwards, 6111 Rickwood Dr., Huntsville, 35810. **Oct. 22, Nov. 19.**
ALASKA (Fairbanks)—**(A).** G. E. Small, P.O. Box 2551, 99707. **Oct. 20-22*, Nov. 17-19*, Dec. 15-17*.**
ARIZONA (Phoenix)—**(A)** 2700. D. Bronson, 301 E. Riviera, Tempe, 85282. **Oct. 15, Nov. 19, Dec. 17.**
ARIZONA (Tucson)—**(A)** 1800. Mrs. M. Peterson, 5369 E. Willard, 85712. **Oct. 22, Nov. 26, Dec. 24. (A)** 2700. **Nov. 12.**
ARKANSAS (Little Rock)—**(A)** 900. R. E. Hamilton, 1017 East "H" Ave., North Little Rock, 72116. **Nov. 5.**
ARKANSAS (Pine Bluff)—**(A)** 1800. A. T. Schimmel, 1919 W. 11th., 71601. **Oct. 8.**
CALIFORNIA (Calexico)—**(A).** Mrs. V. J. Rearic, 525 Aurora Dr., El Centro, 92243. **Oct. 8, Nov. 12.**
CALIFORNIA (Camp Pendleton)—J. N. Chai, 314 Foussat Rd., Oceanside, 92054. **Oct. 15, Nov. 19, Dec. 17.**
CALIFORNIA (Clovis)—**(A)** 2700. E. A. Arakawa, 9686 So. West Ave., Fresno, 93706. **Oct. 21, Nov. 18, Dec. 16.**
CALIFORNIA (Duarte)—**(A)** 2700. T. H. Greenlee, 5102 N. Peck Rd., El Monte, 91732. **Nov. 5, Dec. 3.**
CALIFORNIA (Edwards AFB) — **(A).** Scott Wroten, 7632 March Dr., Edwards, 93523. **Oct. 15, Nov. 19.**
CALIFORNIA (Lompoc)—**(A).** W. R. Wallis, 313 Barrington Pl., 93436. **Oct. 8, Nov. 12, Dec. 10.**
CALIFORNIA (McClellan AFB)—**(A)** 2700. Lt. Col. H. T. Glaze, Gen. Del., Box 2, 95652. **Oct. 15, Nov. 19, Dec. 10.**
CALIFORNIA (Oakland)—W. C. Taylor, 1906 109th Ave., 94603. **Dec. 3.**
CALIFORNIA (Presidio)—900 Invitational. J. R. Clyde, 1925 Greenwich, San Francisco, 94123. **Oct. 10*, Nov. 2*, Dec. 5*.**
CALIFORNIA (Redondo Beach)—Mrs. M. Carlock, 2208 Harriman Lane, 90278. **Oct. 8, Nov. 12, Dec. 10.** 1800. **Oct. 29*, Dec. 31*.**
CALIFORNIA (Sacramento)—**(A)** 1800. W. Johnson, 4441 Stockton Blvd., 95820. **Nov. 12*, Dec. 17*.**
CALIFORNIA (San Diego)—Conventional & Int'l. L. Raper, 40th & A Sts., 92102. **Nov. 4-5, Dec. 2-3.**
CALIFORNIA (San Francisco)—**(A)** 1800. E. W. Tin, 162 Bronte St., 94110. **Oct. 22, Nov. 26.**
CALIFORNIA (San Rafael)—1800. Mrs. B. Chow, 3185 Mission St., San Francisco, 94110. **Oct. 8.**
CALIFORNIA (Santa Ana)—2700. R. W. Dinnan, P.O. Box 1105, Newport Beach, 92663. **Oct. 22, Nov. 26.**
CONNECTICUT (Rocky Hill)—**(A)** 1200. Mrs. P. Watson, 1344 Ellington Rd., So. Windsor, 06074. **Dec. 10***
DELAWARE (New Castle)—2700. H. W. Gray, 803 No. DuPont Rd., Wilmington, 19807. **Nov. 10-12*.**
FLORIDA (Eustis)—**(A)** 1800. J. A. Livingston, 101 N. Palm Cr., 32726. **Oct. 29, Nov. 26.**
FLORIDA (Fort Lauderdale)—**(A)** 1800. J. T. Harwood, 10001 N.E. 1st Ave., Miami, 33132. **Oct. 22.**
FLORIDA (Lake Worth)—**(A).** C. Ray, 1000 Summit Blvd., W. Palm Beach, 33405. **Oct. 8, Dec. 10.**
FLORIDA (Miami)—(A) 2700. Mrs. B. Rhodes, 1391 W. 29th St., Lot #5, Hialeah, 33012. **Oct. 15.** Registered 2700. **Nov. 17-19.**
FLORIDA (Miami)—**(A).** R. L. Lippman, 2901 Village Green Dr., 33165. **Dec. 10.**
FLORIDA (Pensacola-Cantonment Range) — **(A).** W. C. Webster, P.O. Box 526, Cottage Hill, 32533. **Oct. 15, Nov. 19, Dec. 17.**
FLORIDA (Pompano Beach)—**(A)** 900. R. J. O'Neil, 631 NW 37th St., 33064. **Nov. 5*.**
FLORIDA (Pompano Beach)—**(A).** W. A. Schmidt, P.O. Box 45, 33061. **Nov. 11.**
FLORIDA (Titusville)—(A) 1800. A. E. Matthieu, P.O. Box 6482, 32780. **Nov. 5, Dec. 3.**
FLORIDA (Windermere)—**(A)** 1800. R. A. Cupples, 1335 Nimrod Lane, Orlando, 32809. **Oct. 8, Nov. 12, Dec. 10.**
FLORIDA (Winter Haven)—**(A)** 1800. J. W. Long, P.O. Box 2087, 33880. **Oct. 15.**
GEORGIA (Conyers)—**(A)** 2700. Dr. W. M. Davis, 1903 Shamrock Dr., Decatur, 30032. **Oct. 15, Nov. 12, Dec. 3.**
GEORGIA (Norcross)—**(A).** R. D. Xander, 3342 Scarlet Oak Dr., Doraville, 30340. **Nov. 5.**
GEORGIA (West Point)—**(A)** 2700. G. W. Morton, 1110 5th Ave., 31833. **Oct. 8.**
GREECE (Nea Makri)—**(A).** LT D. N. Clyde, USN AVCOMMSTA. **Oct. 14, Oct. 21, Nov. 4, Nov. 11, Nov. 18, Dec. 2, Dec. 9, Dec. 16.**
HAWAII (Honolulu)—M. Y. Lum, 2130 Kanealii Ave., 96813. **Oct. 8.**
HAWAII (Honolulu)—M. Y. Lum, 1455 South Berentania St., 96814. **Nov. 5.**
ILLINOIS (Chicago)—**(A).** M. J. Oliver, 1210 So. Ridge Ave., Arlington Heights, 60005. **Nov. 3-5*, Dec. 1-3*.**
ILLINOIS (Milan)—**(A)** 1800. J. E. Peterson, 1854-27th St., Moline, 61265. **Nov. 4-5*.**
ILLINOIS (Rockford)—D. Rockwell, Jr., 2237 Halsted Rd., 61103. **Oct. 28-29*.**
INDIANA (Columbus)—**(A)** 2700. D. Lewis, 1713 Chandler Lane, 47201. **Oct. 7-8.**
INDIANA (Connersville)—**(A)** 2700. B. L. Lostutter, RR #3, 47331. **Oct. 28-29.**
INDIANA (South Bend) **(A).** Mrs. G. R. Horner, 1115 N. Huey St., 46628. **Nov. 11-12*.**
INDIANA (Speedway)—**(A)** 2700. R. L. Deck, P.O. Box 136, Pittsboro, 46167. **Oct. 28-29.**
KANSAS (Ft. Riley)—E. R. Retter, 1938 Judson St., Manhattan, 66502. **Oct. 14-15.**
KANSAS (Wichita)—**(A)** 2700. H. S. Beighley, 2134 Mesita Dr., 67211. **Oct. 15, (A)** 900. **Dec. 10.**
KENTUCKY (Ft. Knox)—**(A).** Mrs. L. Bishop, Rt. #5, Maple Lane, Elizabethtown, 42701. **Nov. 5*, Dec. 3*.**
LOUISIANA (Poydras)—**(A).** B. A. Bordelon, 649 Phosphor Ave., Metairie, 70005. **Oct. 22.**
LOUISIANA (Shreveport)—2700. R. Camp, P.O. Box 8283, 71108. **Oct. 7-8.**
MARYLAND (Bainbridge)—**(A)** 2700. A. L. Sizemore, 122-C-1 Preston Dr., Port Deposit, 21904. **Oct. 7-8*, Nov. 4-5*, Dec. 2-3*.**
MARYLAND (Davidsonville)—2700. W. A. Bowie, 7754 Frederick Ct., Hyattsville, 20784. **Oct. 14.**
MASSACHUSETTS (Hopkinton)—**(A)** 1800. H. E. Johnson, 26 Pine St., Medfield, 02052. **Oct. 8 & 15.**
MASSACHUSETTS (Sharon)—E. W. Mullen, 4 Sandy Valley Dr., Walpole, 02081. **Nov. 11-12*.**
MICHIGAN (Detroit)—**(A).** E. E. Bradley, 239 Cortland Ave., Apt. #2, Highland Park, 48203. **Oct. 25*, Nov. 22*, Dec. 20*.**
MISSISSIPPI (Biloxi)—**(A)** 2700. R. E. Miller, 304 Chaucer Dr., Ocean Springs, 39564. **Oct. 22, Nov. 26.**
MISSOURI (Joplin)—**(A).** S. Harrod, 528 W. 32nd, 64801. **Oct. 15.**
MONTANA (Butte)—**(A).** F. N. Earll, 2044 S. Gay-Lord, 59701. **Oct. 15.**
NEW HAMPSHIRE (Littleton)—**(A)** 2700. I. E. Allen, RFD, 03561. **Oct. 15.**
NEW JERSEY (Mullica Hill)—**(A)** 1800 Restricted to Unclassified. R. Munyan, 336 Lycoming Ave., Wenonah, 08090. **Oct. 28.**
NEW JERSEY (Princeton)—2700. G. Jenkins, 156 Spartan Village, Wrightstown, 08562. **Oct. 14-15.**

NEW JERSEY (Secaucus) — 2700 Invitational. W. J. Engel, 935 River Rd., Teaneck, 07666. **Oct. 7-8.**
NEW MEXICO (White Sands)—**(A).** LCDR F. W. Sargent, USN, NOMTF WSMR, 88002. **Oct. 28, Nov. 25, Dec. 30.**
NEW YORK (Chester)—900. N. Mailler, RD #1, Box 34, Monroe, 10950. **Oct. 20-22*.**
NEW YORK (Colonie)—1800. E. J. Smith, 1246 Hendrickson Ave., Schenectady, 12309. **Dec. 8-10*.**
NEW YORK (E. Poughkeepsie)—Mrs. D. Wells, 35 Hillis Terr., Poughkeepsie, 12603. **Nov. 4-5.**
NEW YORK (Staten Island)—**(A)** 1800. R. A. Geidel, 321 Sleight Ave., 10307. **Oct. 28-29.**
NEW YORK (Webster)—Mrs. S. Bohacket, 772 Dewitt Rd., 14580. **Nov. 11-12*.**
NEW YORK (Yonkers)—900. W. Iannantuoni, 1137 Nepperhan Ave., 10703. **Nov. 5*.**
NORTH CAROLINA (Camp Lejeune)—2700. Sec., Camp Lejeune R&P Club, P.O. Box 108, Tarawa Terr., 28543. **Oct. 14-15. Nov. 18-19.**
NORTH CAROLINA (Charlotte)—**(A)** 2700. J. P. Burt, Rt. 2, Box 815, 28210. **Oct. 29.**
NORTH CAROLINA (Cherry Point)—2700, H. D. Worley, P.O. Box 68, Havelock, 28532. **Nov. 4-5.**
NORTH CAROLINA (Kinston)—COL. L. O. Williams, USMC (Ret'd), Rt. #3, Box 233-A, Jacksonville, 28540. **Oct. 6-8.**
OHIO (Cincinnati)—**(A)** 2700. J. Basham, 10121 Zig Zag Rd., 45242. **Nov. 5*, Dec. 3*.**
OHIO (Columbus)—**(A).** A. P. Marble, 442 Midgard Rd., 43202. **Oct. 15. (A)** 1800. **Nov. 19*, Dec. 17*.**
OHIO (Oak Harbor)—A. S. Fedor, 121 Hayes Ave. Port Clinton, 43452. **Nov. 19*, Dec. 17*.**
OKINAWA (Terry Range)—**(A)** 2700. M/Sgt. R. T. Slack, PSC Box 20715, APO San Francisco, Calif., 96230. **Oct. 21, Nov. 18, Dec. 16.**

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OKLAHOMA (Arcadia)—**(A)** 2700. D. Reinke, 900 N.W. 39th, Oklahoma City, 73118. **Oct. 14-15, Nov. 11-12.**
OREGON (Grants Pass)—**(A)** 2700. E. D. Bartley, 1541 N.W. Lawnridge, 97526. **Oct. 29, Nov. 19.**
PENNSYLVANIA (Bethlehem)—**(A).** R. C. Hutchison, 2115 Stefko Blvd., 18017. **Nov. 12*.**
PENNSYLVANIA (Lansdale)—**(A).** M. Landes, 43 West 4th St., 19446. **Nov. 5*.**
PENNSYLVANIA (Middletown Township)—**(A).** J. L. Devlin, 125 Bridge St., Drexel Hill, 19026. **Oct. 8, Oct. 22.**
PENNSYLVANIA (Reading)—**(A).** W. Lando, 134 S. Franklin St., Shillington, 19607. **Oct. 8.**
PHILIPPINES (Subic Bay)—(A) 1500. A. U. Everett, USNAS, Box 35, FPO San Francisco, Calif., 96654. **Oct. 7, Dec. 9, (A)** 2700. **Nov. 4-5.**
TENNESSEE (Memphis)—**(A)** 900. J. E. Norris, 2425 Nunnelee Ave., 38127. **Oct. 8, Nov. 12.**
TENNESSEE (Millington)—**(A)** 2700. J. W. Clarke, PO Box 54328, NAS. Memphis, 38054. **Oct. 15, Nov. 5, Nov. 19*, Dec. 10*.**
TENNESSEE (Nashville)—**(A).** C. L. Murphy, Jr., 2502 Sandy Dr., 27216. **Oct. 14, Nov. 12.**
TENNESSEE (Tullahoma)—**(A).** D. Bearden, 515 Cumberland Ave. 37388. **Oct. 8.**
TEXAS (Corpus Christi)—**(A)** 1800. H. W. Davis, 2001 Wallace Ave., 78412. **Oct. 15, Nov. 12.**
TEXAS (Dallas)—**(A)** 1800. W. F. Goodman, Jr., P.O. Box 15867, 75215. **Nov. 19.** Registered 2700. **Oct. 28-29.**
TEXAS (Fort Worth)—**(A)** 1800. C. A. Lynn, 520 Branch Circle West, 76108. **Nov. 5.**
TEXAS (Grand Prairie)—**(A)** 1800. A. H. Gordon, 2403 E. Mitchell, Arlington, 76010. **Oct. 21.**
TEXAS (Grand Prairie)—**(A)** 1800. R. C. Sanderlin, 1813 Wynn Terr., Arlington, 76010. **Dec. 17.**
TEXAS (Houston)—2700. J. S. Wagner, 13245 Alder St., 77047. **Oct. 21-22, Nov. 4-5.**
TEXAS (Lackland AFB)—F. E. Greco, Box 361345, 78236. **Oct. 29, Nov. 26, Dec. 10.**

State Association Meetings

COLORADO—Colorado State R&P Ass'n Annual Meeting, Capri Motor Hotel, W. 84th Ave. & Valley Hwy., Denver. Mrs. Betty L. Raymer, Sec., 5410 W. Geddes Ave., Littleton, Colo. 80123. *Nov. 18-19*

NEW YORK—New York State R&P Ass'n Inc. Annual Meeting, One Eleven East Avenue Hotel, 111 East Avenue, Rochester, New York, 10:00 A.M. Franklin R. Volk, Sec., 600 Oakdale Road, Johnson City, N.Y. 13790. *Oct. 7-8*

OHIO—Ohio R&P Ass'n Annual Meeting, Derrick Motel, Mt. Gilead Exit on I-71, Mt. Gilead, 10:00 A.M. Mrs. Barbara B. Siska, Sec., P.O. Box 39211, Solon, Ohio 44139. *Nov. 4-5*

PENNSYLVANIA—Pennsylvania R&P Ass'n Annual Meeting, Capitol Motel and Restaurant, 4646 Jonestown Rd. (US Rt. 22), Harrisburg, 1:00 P.M. Richard F. Hertzog, Sec., 148 Yellowstone Dr., Pittsburgh, Pa. 15235. *Oct. 8*

TENNESSEE—Tennessee State Rifle Ass'n, Inc., Annual Meeting, Tennessee Nat'l Guard Armory, Sidco Dr., Nashville, 9:00. James E. Stevens, Jr., Sec., P.O. Box 15023, Nashville, Tenn. 37215. *Oct. 28*

TEXAS (Marfa)—**(A).** W. O. Covington, P.O. Box 71, 79843. **Oct. 8.**
TEXAS (Midland)—**(A)** 1800. M. E. Bachman, 4804 Thomason Dr., 79701. **Oct. 15. (A)** 2700. **Nov. 19.**
TEXAS (Presidio)—**(A).** W. O. Covington, P.O. Box 71, Marfa, 79843. **Nov. 12, Dec. 10.**
TEXAS (San Antonio)—2700. Mrs. L. Moore, 8319 Castle Creek Dr., 78218. **Oct. 22, Nov. 19, Dec. 3.**
VIRGINIA (Quantico)—2700. Sec., MC Base R & P Club, P.O. Box 212, 22134. **Oct. 7, Nov. 18-19*, Dec. 16-17*.**
WASHINGTON (Oak Harbor)—**(A)** 1800. Mrs. S. Collins, P.O. Box 441, 98277. **Oct. 14.**
WASHINGTON (Pasco)—**(A).** J. Hammond, Box 161, Richland, 99352. **Dec. 9-10*.**
WISCONSIN (Superior)—**(A)** 2700. R. Hammerbeck, 1101 E. 4th St., 54880. **Oct. 8.**

INTERNATIONAL-TYPE PISTOL

ALABAMA (Guntersville)—**(A)** SF. D. D. Stoppel, 3622 Stag Run Dr., Huntsville, 35810. **Oct. 15, Nov. 11.**
ALABAMA (Redstone Arsenal)—**(A)** SF. H. E. Edwards, 6111 Rickwood Dr., Huntsville, 35810. **Oct. 22, Nov. 19.**
ARIZONA (Tucson)—**(A)** SF, CF, RF & Standard. Mrs. M. Peterson, 5369 E. Willard, 85712. **Oct. 8, Dec. 10.**
CALIFORNIA (Duarte) — **(A)** RF, CF, SF & Standard. T. H. Greenlee, 5102 N. Peck Rd., El Monte, 91732. **Dec. 31.**
FLORIDA (Miami)—RF & Standard. Mrs. B. Rhodes, 1391 W. 29th St., Lot 5, Hialeah, 35012. **Nov. 17-19.**
GEORGIA (Norcross)—**(A)** Standard. R. D. Xander, 3342 Scarlet Oak Dr., Doraville, 30340. **Nov. 5.**
KANSAS (Wichita)—**(A)** Standard & CF. H. S. Beighley, 2134 Mesita Dr., 67211. **Nov. 12.**
NEW YORK (Webster)—CF & Standard. Mrs. S. Bohacket, 772 Dewitt Rd., 14580. **Nov. 11-12*.**
TEXAS (Houston)—Standard. J. S. Wagner, 13245 Adler, 77047. **Oct. 21-22, Nov. 4-5.**

POLICE COMBAT

CANADA (Delta Police Range)—**(A).** E. S. Weightman, 10903 River Rd., Delta. **Oct. 21. (A).** Surrey Range. **Nov. 18, Dec. 9.**
TEXAS (Alpine)—**(A).** F. Bartlett, 701 E. Ave. E, 79830. **Nov. 18*.**
WASHINGTON (Olympia)—**(A).** R. E. Hawkins, Box 843, 98507. **Nov. 19.**

CANCELLATIONS

ILLINOIS (Collinsville)—Approved Outdoor 2700 Pistol Tournament. G. E. Bond, 311 Monroe, 62234. **Oct. 22.**
VIRGINIA (Hanover County)—Approved High Power Rifle Tournament. H. E. Bernstein, 918 W. 31st St., Richmond, 23225. **Oct. 29, Nov. 5.**

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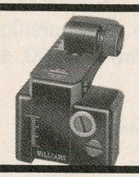

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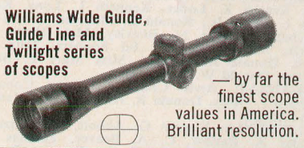

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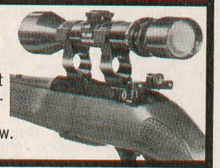

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MISSOURI: Dewey Barnett, James Arthur Burris, John C. Cayton, Zeno A. Cook, J. B. Crouthers, Larry L. Day, John M. Donaldson, Frederick Z. Ellis, Edward W. Erker, Thomas Gossard, Lee Grantham, Vern Guthrie, Robert E. Gwinn, Floyd O. Hader, Sr., Darrell G. Hanan, Teddy L. Headrick, Archie D. Holden, Leslie A. Horn, David Johnston, Tony Lingle, G. B. Lowther, M. I. Neher, Jr., Ronald G. Rosson, Donald H. Sanders, Emil F. Schager, Duane J. Titus, M. J. Travis, Jr., Claude E. Trotter, George Wilbanks.
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NEW MEXICO: Cameron F. Bradley, Maj. Ben Colglazier, Don W. Daniels, Lewis A. Hanchey, Jr., C. W. Hines, Harold J. Lang, J. Lopez, Frank F. Norris, Charles A. Skelton, Darrell E. Turner, Michael J. Weix.
NEW YORK: Lawrence J. Abrams, John Adler, William C. Akunevicz, Walter J. Ayling, Joseph

Continued page on 136

THE ARMS CHEST

GENERAL REQUIREMENTS APPLICABLE TO CLASSIFIED AND DISPLAY ADVERTISING

1. RATES: For classified advertising, 70 cents per word including name and address—minimum charge, $10.50. Advertisements *must* be accompanied by remittance, payable and addressed to "The American Rifleman, 1600 Rhode Island Ave., N.W., Washington, D. C. 20036. NO cash discount. Display ad rates on request.

2. Closing Date: All classified advertisements must be received with advance payment by the 20th of the second month preceding date of issue. (Example: October 20 for the December issue. Ads received after October 20 and not later than November 20 will be inserted in the January issue.)

3. All Ads Subject to These Conditions: The right is reserved to edit all copy and to reject or discontinue any advertisement that we consider not in the best interests of the National Rifle Association. Deliberate misrepresentation, or violations of good business ethics, may constitute grounds for refusal of further advertising.

4. Blind Ads Not Acceptable: Blind classified ads, with Post Office box numbers only, will not be accepted. Give COMPLETE name and address, including Zip Code Number.

5. How to Count Numerals, Etc.: Groups of figures count as one word (i.e.: .30-30, .250-3000, $150.00, $1.50). Abbreviations consisting of initials or single characters count as one word (example: W. H. Smith—W.H. counts as one word); hyphenated words count as two words (i.e.: 20-gauge—counts as two words). Include name and address in word count. Minor overwordage will be edited to match advance payment.

6. No Responsibility for Illegible Copy: The publishers are not responsible for typographical errors in printing advertisements. Type or print clearly. No proofs furnished for classified ads.

7. All Articles to Be Properly Described: To avoid misunderstandings, the condition of every advertised article should be described in accordance with the following definitions: NEW—not previously sold at retail, in same condition as current factory production: NEW—DISCONTINUED—same as NEW, but discontinued model. The following definitions will apply to all SECOND-HAND articles: PERFECT—in new condition in every respect; EXCELLENT—new condition, used but little, no noticeable marring of wood or metal, bluing perfect (except at muzzle or sharp edges); VERY GOOD—in perfect working condition, no appreciable wear on working surfaces, no corrosion or pitting, only minor surface dents or scratches; GOOD—in safe working condition, minor wear on working surfaces, no broken parts, no corrosion or pitting that will interfere with proper functioning; FAIR—in safe working condition, but well worn, perhaps requiring replacement of minor parts or adjustments, which should be indicated in advertisement, no rust, but may have corrosion pits which do not render article unsafe or inoperable.

Another set of standards applies to *antique* arms as follows: FACTORY NEW—100% original finish and parts, everything perfect; EXCELLENT—all parts and 80%-100% finish original; all letters, numerals, designs sharp; unmarred wood, fine bore; FINE—all parts and over 30% finish original; all letters, numerals, designs sharp; only minor wood marks, good bore; VERY GOOD—up to 30% original finish, all original parts; metal surfaces smooth, with all edges sharp; clear letters, numerals, designs; wood slightly scratched or bruised; bore on collector items disregarded; GOOD—only minor replacement parts; metal smoothly rusted or lightly pitted in places, cleaned or reblued; principal letters, numerals, designs legible; wood refinished, scratched, bruised or with minor cracks repaired; mechanism in good working order; FAIR—some major parts replaced; minor replacements; metal may be lightly pitted all over, vigorously cleaned or reblued, edges partly rounded; wood scratched, bruised, cracked or repaired; mechanism in working order.

8. WARNING TO USERS OF ADVERTISING: The Federal Gun Control Act of 1968 restricts interstate, but not intrastate sales and trades of firearms, ammunition and components, as defined under the act, to transactions between Federal licensees.

The act defines as firearms, and accordingly restricts, all types of rifles, shotguns and handguns manufactured since 1898, except for air and CO_2 guns and replicas of pre-1898 firearms which are not designed or redesigned to fire rimfire or centerfire fixed ammunition, or for which ammunition is not currently manufactured or readily available in the U.S.

The interstate restriction also applies to all frames or receivers for firearms (except those for legal replicas) made since 1898, and all ammunition, including .22 cal. rimfire and component "cartridge cases, primers, bullets or propellent powder designed for use in any firearm" as "firearms" is defined by the act.

The restriction does *not* apply to barrels (without actions), stocks sights, triggers and trigger assemblies, magazines, springs and screws and other parts, excepting frames or receivers. Ammunition restrictions do not apply to percussion caps, flints, matchlock fuse or black powder for use in pre-1898 arms or replicas thereof.

The restriction also does *not* apply to antique firearms classified as curios or relics "including any firearm with a matchlock, flintlock, percussion cap or similar type of ignition system" if manufactured in or before 1898, or replicas of such firearms, provided the replicas are not designed or redesigned to fire rimfire or centerfire fixed ammunition, or provided they use rimfire or centerfire fixed ammunition no longer made in the U.S. or "readily available in ordinary channels of commercial trade".

Under the Federal Gun Control Act, individuals may mail rifles or shotguns that they own legally under Federal, State, and local laws to a licensed manufacturer, dealer, or importer for "repair or customizing." Handguns, while covered by the same provision, cannot be mailed because of U.S. Postal regulations but may be sent by common carrier. Licensees may return such firearms or a "replacement firearm of the same kind and type" to the sender.

FOR SALE: FIREARMS



POTOMAC ARMS COLLECTORS ASSOCIATION Gun Show, October 14-15, Greenbelt, Maryland, National Guard Armory.

ALASKA, WYOMING, NEBRASKA WINCHESTER Commemoratives. Immediate delivery. 402-729-2888 or 2635. Bedlan's, Box 244, Fairbury, Nebraska 68352.

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ORIGINAL P-38 MILITARY MAGAZINES, three for $10.75 postpaid. Broomhandle Mauser loading clips, five for $5.50, postpaid. Offer ends October 31. Harold Bruffett, Croswell, Michigan 48422.

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COLLECTOR'S WINCHESTERS, COLTS, OTHers. Stamp for list. Frontier Guns, 104 E. Main, Richardson, Texas 75080.

SMITH & WESSON, COLT, RUGER, D. B. Wesson, C & H loading tools, case tumblers. We carry a good supply of each. Free list. Our service and prices will please you. Please state if you are a dealer, law enforcement dept., law officer or individual. In a hurry, phone 406-379-4600. J & G Rifle Ranch, Turner, Montana 59542.

HARRINGTON & RICHARDSON MODEL 156 Huntsman Muzzle Loader, .45, 58 and 12-ga. $59.95. Lyman: Round ball mould w/handles $9.75; Master electric casting furnace w/mould guide $39.95. Prices prepaid. Send for Free binocular, telescope sight, spotting scope and air rifle discount price list. Safari Outfitters, Baker, Ore. 97814.

USED SMITH & WESSONS. MOD. 15 COMbat Masterpiece 4" blue. Hundreds in stock for immediate shipment. Police trades of duty weapons let us bring you the buy of the year. Selected "Perfect" guns only $74.50. "Fair" or better $59.50. Order ten for prepaid shipment. Bank check or Money Order with your certified F.F.L. and state dealer license where required. Pretco, Dept. AR, Box 338, Ithaca, N. Y. 14850.

LUGERS—BOUGHT, SOLD. LARGE LIST 25¢. Greg del Real, Box 4345, Silver Spring, Maryland 20904.

LOVELY DOUBLES. WOODWARD UNDER and over, two sets barrels; Excellent. Purdey 20-gauge; others. Stamped, self-addressed envelope. W. Rowley, 7303 Lakewood Blvd., Dallas, Texas 75214.

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GUNS APPRAISED—ANTIQUE OR MODERN. Professional service; reasonable. Firearms Appraisers of America, P.O. Box 841, Colton, Calif. 92324.

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ROBERT ABELS, P.O. BOX 428, HOPEWELL Junction, N.Y. 12533. We buy and sell American and English Antique Firearms, Edged Weapons, etc.

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BROOMHANDLE MAUSER PISTOL PARTS. Illustrated list 25¢. Harold Bruffett, Mauser Dept., Croswell, Michigan 48422.

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MAUSER ZIG-ZAG REVOLVER. WINCHESter Commemorative Collection. Winchester Mod. 12 Collection. Browning Commemorative Shotgun. BT99's. Phone: 815-894-2738. Mink Oil, Box 9, Seatonville, Illinois 61359.

WINCHESTERS. WANTED: 1876 DELUXE, factory-engraved, as on Cover June of The American Rifleman. 402-729-2888 or 2635. Bedlan's, Box 244, Fairbury, Nebraska 68352.

P-38 PARTS, ACCESSORIES. ILLUSTRATED list 25¢. Harold Bruffett, P-38 Dept., Croswell, Michigan 48422.

TERRIFIC SALE! NEW MAUSER-HEYM Model 2000 Rifle, adjustable trigger, Krupp 24" barrel, recessed bolt face, European folding rear sight, relief-engraved hinged floor plate, 5-shot, Monte Carlo cheek piece, European walnut stock, fancy hand-checkering, sling swivels, contrasting wood forend, pistol grip cap with white spacers; calibers—.308 Winchester, .270 Winchester and .30-'06. Dealers and jobbers only. $109.95; 6 pieces or more assorted $104.95 F.O.B. Mathews & Boucher, Inc., 1950 Brighton-Henrietta Road, Rochester, N. Y. 14623. See your dealer. Sold only to dealers.

PARKERS: SIX LEFT, INCLUDING RARE and unusual AAHE, BHE 28, PH 10. Original condition. List $1.00. Parker, Box 33, Broken Arrow, Oklahoma 74012.

PLEASE NOTE: Under the Gun Control Act of 1968 and its administrative regulations, interstate shipments (sales or trades) of firearms manufactured since 1898 and of ammunition or components for them can be made only by and through holders of Federal Firearms Licenses. For details and exceptions, see Paragraph 8 above. Please consult your local dealer for all such items that are advertised in The American Rifleman.

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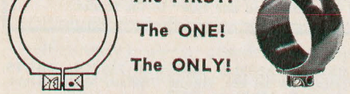

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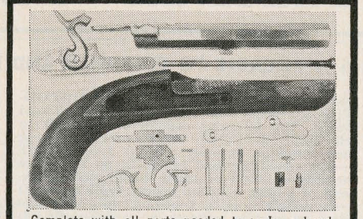

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YEAR'S PRE-'64 LISTING FOR $1.00. JIM Scott, Leon, Iowa 50144.

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FOR SALE: Ammo and Components



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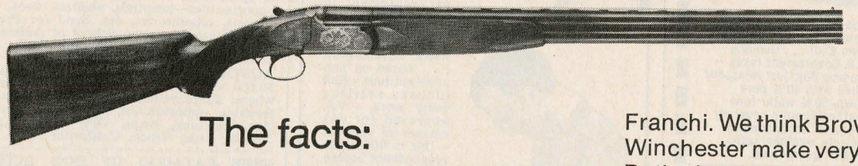

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European Walnut Stock and Forend	Walnut Stock and Forend	European Walnut Stock and Forend
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6¼ lbs.	7½ lbs.	7½ lbs.
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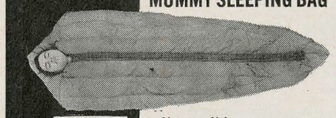

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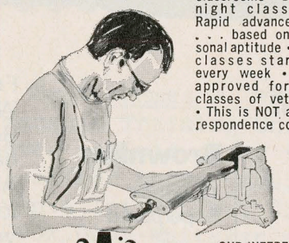

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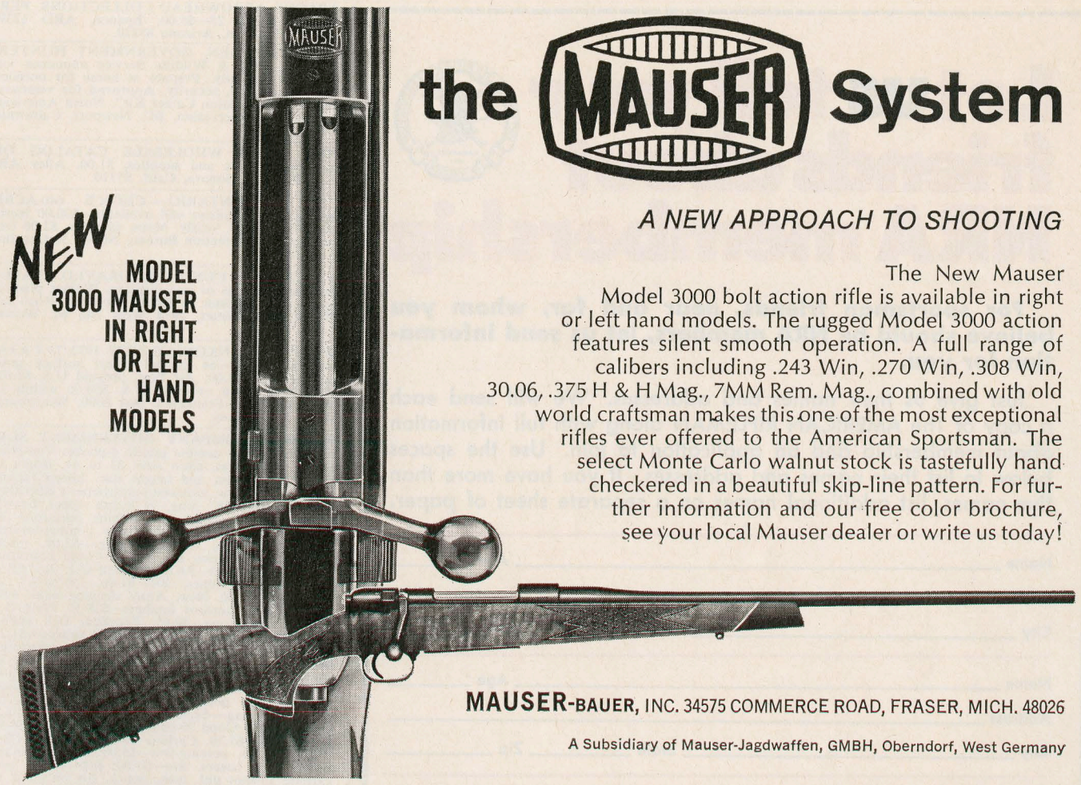

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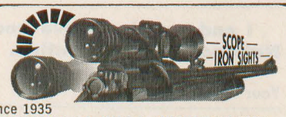

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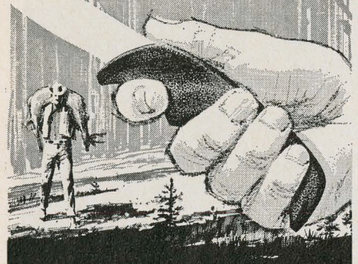

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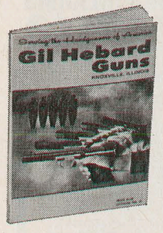

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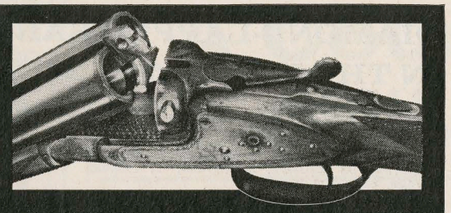

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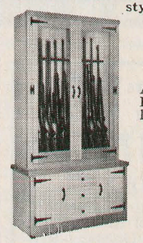

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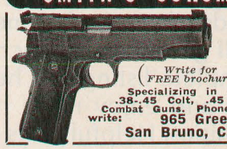

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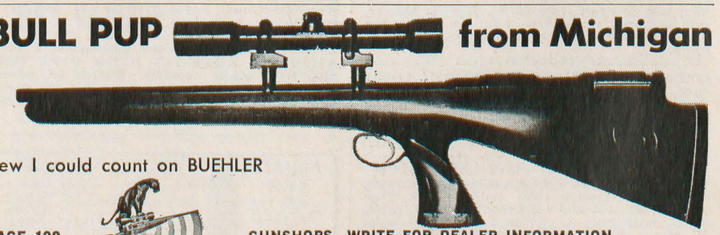

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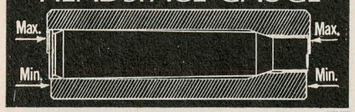

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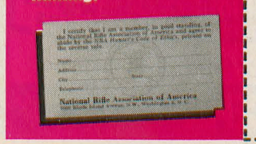

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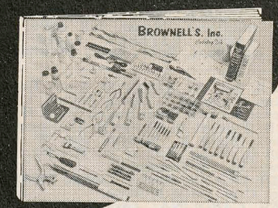

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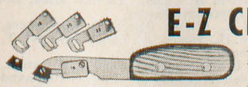

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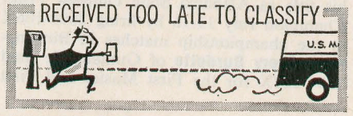
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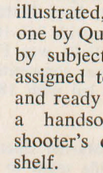
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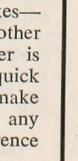
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SCORE SHEET

(Cont'd from page 18)

In a photo finish at the Seventh Annual Bishop Memorial Rifle Match at Carpentersville, Ill., sponsored by the American Legion Cook County Rifle League, **Ed Neumann** of LaGrange creedmoored **Guy Green** of Glendale Heights to take home the trophy. Both shooters used Remington 40X rifles in .308 using 41 grs. of 4895 behind 168-gr. Sierra bullets. Both came up with 483-10X scores, but Neumann had a 10 on the last 600-yd. target while Green had an 8. The June shoot drew 61 riflemen. In the team match, **Elgin Rifle Club** came in first with 1888-40X in the civilian category, while the top Legion team was **Castle Post #151** with 1872-40X. **Bill Vinopal** of Downers Grove was first Junior, shooting 416-3X. . . . **Ronald Gilstrap** of Alvin, Tex., used a .308 Winchester Model 70 with Redfield Int'l sights to score 489-13X for the crown at the Bayou Rifles Monthly High Power tournament Aug. 20 at San Antonio, Tex. **Wilburn A. Spiller** of Liverpool was second with 497-11X. . . . Using a new Remington 40X and handloads, **John Thompson** of Easley, S.C., posted 767-21X to win the Spartanburg, S.C., August High Power Match. **James Peterson** of Charlotte, N.C., was second with 732-6X.



Jackson



Cullum



Thorkildsen



Fulford



Bassham

All-Nat'l Guard rifleman **Donald Himes** of Harrisburg, Pa., compiled a 199-19V aggregate to win the Original Pennsylvania 1000-yd. Benchrest Club's prone match July 30 at Williamsport. Close behind were **John Smith** of Linden with 198-28V and **Charles Padulese** of Philadelphia with 198-24V. Himes used a Mauser 98 with Douglas barrel, and Unertl 16X scope and J. Wilkes irons, and fired Sierra 190-gr. bullets in front of 69 grs. of 4350. . . . **Earl Burton** of Vacaville, Calif., shot 958-23X to outdistance 50 other shooters at the Regional High Power Championships at Billings, Mont., July 22-23. **Dave Mattice** of Helena was First Master with 944-16X. **Peyton Gaskill** of Great Falls was First Junior with 585-2X. In team competition, the **Montana Nat'l Guard** led with 1864-33X.

Three Army and two Marine riflemen won spots on the U.S. rifle team to the Conseil International du Sports Militaire (CISM) matches held in Cairo, Egypt, in September. Army Capt. **Lanny Bassham** led the shooters with 2470 points of 2700 possible on the 300m range at the tryouts at Ft. Benning in July. Following were Army shooters Capt. **Boyd Goldsby** with 2465 and Maj. **Lones Wigger** with 2462 and Marine CWO **David Boyd** with 2451 and S/Sgt. **Jerry Boswell** with 2437. The pistol shooters representing the U.S., chosen at tryouts in June, are Marine CWO **Frank Higginson,** Air Force M/Sgt. **Donald Rupp,** and Army shooters SFC **Hershel Anderson,** SFC **Bonnie Harmon,** and S/Sgt. **Jimmy McCauley.** U.S. teams have been victorious at the CISM matches for the past four years.

Richard J. Grogan, a Notre Dame student from Toledo, Ohio, rolled up a 2545-69X aggregate at Holland, Ohio, Aug. 26, winning the Adams Conservation Club's Monthly 2700 shoot. His father, **Jack Grogan,** was First Expert with 2534-69X. . . . Army Sgt./Maj. **Herbert Kaim** of Redstone Arsenal, Ala., successfully defended his title as Alabama State Outdoor Pistol Champion July 15-16 by firing 2609-106X at the championship matches in Birmingham. **Avery Burdette** of Guntersville fired 2594-107X for the First Master and First Civilian titles. **Donna Stoppel** of Huntsville was First Woman with 2280-25X. Team honors went to the **Alabama Nat'l Guard** for a 3346-105X score. . . . **John Ochseltree** of the Racine County, Wis., Sheriff's Dept. topped a field of 130 police shooters from Wisconsin and Illinois as he scored 877 of 900 possible at the Shawano Police Combat Shoot at Wescott, Wis., Aug. 15. Wisconsin State Patrol officer **Peter Schreiber** shot 870 for First Master. . . . Norman, Okla., policeman **Royce O. Weddle** rolled up a 1469-82X score with his .357 Magnum S&W Model 19 to win the Oklahoma City Regional Police Combat Pistol tournament July 14-15. **Herb Binsbacher** of the Kansas City, Mo., Police Dept. was runner-up with 1468-71X, narrowly squeezing by **Dwight R. Crawford** of the Denton, Tex. Police Dept., who shot 1468-65X. In team competition, the **Norman Police Dept.** fielded the top four-man team, which scored 2331-100X, while the **Denton Police Dept.** was high in the two-man team division with 1126-32X.

Allen Fulford of Vienna, Ga., easily outdistanced the field to win the Gate City Gun Club's August 2700 shoot at Conyers, Ga., with 2640-11X. **Stan Lucek** of Beaufort, S.C., shot 2585-105X for First Master. . . . **Sandy Ussery** of Scottsdale, Ariz., and **Melvin Flint** of Yucca Valley, Calif., were the top winners in the Phoenix, Ariz., Rod & Gun Club's ISU match Aug. 19. Ussery won the standard pistol event with 566, while Flint's 576 gave him the rapid-fire pistol match. Ussery was second in rapid-fire with 575. **Joseph Smith** of Williams AFB was runner-up in standard pistol with 522.

Leonard Saunders of Clancy, Mont., had a good thing going when he won the iron-sight aggregate at the Laurel, Mont., Rifle Club's Smallbore Prone Regional July 15-16 with 1597-107X. But **Herb Hollister** of Boulder, Colo., who had dropped seven points in iron-sight, cleaned the any-sight matches for a grand aggregate score of 3193-250X and the winner's crown. Saunders was First Master at 3191-215X. In team competition, **Herb and Jack Hollister** joined forces for the metallic-sight award, scoring 797-48X, while the any-sight honors went to **Stuart and George Cooper** for their 797-59X. . . . Despite the rapidly-approaching Hurricane Agnes, 45 prone shooters managed to complete the iron-sights portion of the New Jersey State Smallbore Prone Championships June 24, but any-sights shooting was postponed until July 2. **Jack P. Dwyer** of Wayne, N.J., had a 3158-157X total for the State Champion title, while the First Master spot went to **James Lantz** of Freehold for his 3153-177X. **Janice Geipel** of Bedminster was First Woman with 2877-103X, and First Junior was **Kevin Mitchell** of Teaneck, who fired 3134-137X in his first prone 3200 shoot. **Tenafly R&P Club** totaled 1559-56X to win the team match.

Junior shooter **Reed Thorkildsen** of Alexandria, Va., outshot a distinguished list of competitors to win the Virginia State Prone Championship at Manassas July 29-30. In the any-sight matches, his 1600-144X was beaten by **George Stidworthy's** 1600-148X; but his 1600-131X iron-sight score pushed his total to 3200-275X, two points ahead of a group of outstanding shooters massed at 3198. Thorkildsen and **Ron Plumb** came up with 800-71X to win the any-sight team match, and Stidworthy and his daughter **Mary Stidworthy** took the metallic-sight event with 800-59X. . . . **Mary Lou Adler** of Vista, Calif., sailed ahead of the competition to win the annual "Camp Perry Fund" prone match sponsored by the Southern California Junior Rifle League finishing the 1200 aggregate match with 1198-90X points. **Cindy Henderson** of Placentia was First Master with 1189-80X, and **Beth Cullum** of Torrance took the High Girl title with 1190-66X. High Sub-Junior went to **Tommy Klein** of Bradbury for his 1173-42X score. **Nelson Cullum III** claimed the High Maverick prize with 1182-63X. In an 800-point Pro-Marksman match, **Mary Mackey** of Pasadena was overall winner with 782-29X.—RONALD MUSSELWHITE

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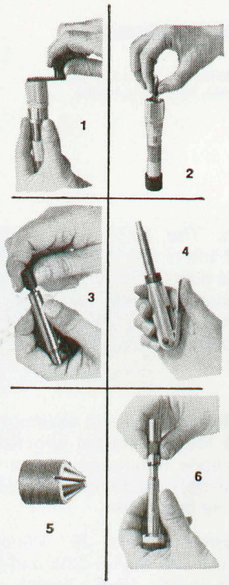

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