

he response to my "Design Your Dream Bolt-Action Big-Game Rifle" article in the December 1991 issue was, to put it mildly, just short of overwhelming. For the benefit of those heard or read, but on first-hand expe-................

who missed it, I included a 59-question form and asked readers to fill it out and send it to me. I asked for objective opinions based not on what had been

rience with various factory rifles. I also stated that if enough of the questionnaires were returned, I would write a follow-up report and describe the ideal composite rifle "designed" by you, the readers of Shooting Times. Wow, and respond you did.

Questionnaires forwarded from Shooting Times headquarters to my office began to arrive soon after the article was published. Just removing them from their envelopes and unfolding them represented quite a task. Then came tabulating all the information and converting it to chart form. The stream of questionnaires eventually eased up a bit, but as I write this eight months after the article was published, they are still trickling in from around the world. As you can see by perusing "Chart A," California and Texas hunt-ers represented over 16% percent of the input, with Pennsylvania, New York, and Washington rounding out the top five. There are obviously lots of big-game hunters in those states.

One thing is certain, the voice of Shooting Times reaches far beyond the borders of the United States. Canada and Australia lead the race in sheer numbers of completed questionnaires received from hunters residing outside the U.S., but friends in other countries also voiced their opinions. In no particular order, they included New Zealand, Thailand, Nambia, Scotland, Greece, Switzerland, Denmark, Pakistan, Norway, Sweden, Finland, Germany, Spain, France, Mexico, Holland, Great Britain, South Africa, Zambia, Zimbabwe, and several other countries.

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The drudgery of tabulating the thousands of bits and pieces of information into chart form was eased considerably by a large percentage of readers who went beyond merely filling out and returning the questionnaire. Those extra efforts ranged from short notes thanking me for the opportunity to voice opinions on the type of bolt-action big-game rifle our manufacturers should be building, to gracious (and a much-appreciated) invitations to hunt various and sundry big-game animals (some of which I plan to accept), to multiple-page letters that expanded on answers to various questions on the questionnaire. The letters came from places as far apart as the snowy river country of Australia, to the cedar thickets of Maine, to the Swiss Alps, to the bear country of southeastern Alaska, to the lion country of Zambia.

The letters and questionnaires came from people of all walks of life: carpenters, doctors, plumbers, lawyers, surgeons, car salesmen, dentists, house painters, oil tycoons, service station attendants, retired folks, gunshop own-

# **BARBER - PRESALE R 0116191**

lawmen, elk guides, ranch hands, military personnel, moose guides, accountants, farmers, gunsmiths, sheep guides, football players, baseball players, basketball players, pronghorn guides, African professional hunters, country music singers, housewives, race car drivers, you name it. They even came from employees of several firearms manufacturing companies.

My sincere thanks goes out to those of you across the country and around the world who took the time to become involved in my project. I also want to express my appreciation for the high level of objectivity that was obviously reflected in your answers to various questions. Human nature being what it is, one might think that the majority of the answers would be totally influenced by the rifle a hunter owns. In other words, if a fellow hunts with a "Brand-X" rifle, he might indicate it as best in all categories. In some cases it probably was true, and there's nothing wrong with that. But believe me, it wasn't that way with the majority of Shooting Times readers. Over 85 percent of those who answered question No. 58 ("What rifle do you use most often for hunting big game?") chose features or characteristics of other rifles they considered better than those on the rifle or rifles they used.

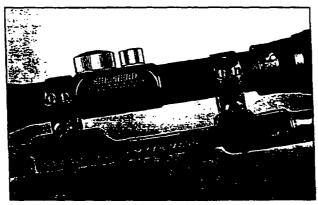
Considering the number of days a very large percentage of the respondents spend hunting big game each year, plus the variety of animals hunted along with the various types of terrain hunted in, I believe the composite rifle that could be put together based on the survey results would represent what the majority of hunters want. In addition, many of the respondents mentioned how many years they had been hunting big game and their age. Some have more than a half century of hunting seasons under their belt. Based on that information alone, you can rest assured that the survey results reflect a tremendous amount of hunting experience.



#### Understanding "Chart B"

To make it easier for you to understand the main chart, I have used percentages rather than numbers to indicate your opinions. For example, in response to question No. 1 on the questionnaire which asked which barreled action material and finish is preferred, 40.5 percent of those who responded picked stainless steel with a blue/black finish, 23.9 percent chose stainless steel with a brushed finish, 21.6 percent voted for blued carbon steel, 10.5 percent want carbon steel with a black . Teflon finish, less than one percent asked for carbon steel with a hardchrome finish, and 2.9 percent had no preference in this category.

The percentages in some categories in the main chart are self-explanatory so I'll spare you further elaboration.



For the

benefit of those who are not entirely familiar with the various design details, I'll add a few explanatory comments for other categories. Also, many readers qualified their answers to certain questions and I believe that information should be included for clarification. For example, some made additional notes and comments on the type of scope-mounting system they would like to see on their "dream" rifle.

#### Scope-Mounting Systems

Almost 60 percent of the respondents want their big-game rifle to have an integral scope-mounting base on the receiver compared to 34.8 percent who prefer the receiver be drilled and tapped for the mounting of a base.

Among those who chose the integral style and included additional comments, the majority voted the Ruger Model 77 design as best with the Sako and Tikka designs in second and third places. Some who voted in favor of the Sako or Tikka added that they actually considered the Ruger design better, but didn't vote that way because even when the lowest Ruger rings are used, they believed it positioned a scope too high above the receiver.

#### Receiver Drilled And Tapped For Receiver Sight

I wasn't surprised to see the majority of respondents opine that a rifle does not need to come from the factory with its receiver drilled and tapped for an aperture-type sight. I say this because SHOOTING TIMES/APRIL 1993 49

Sixty percent of readers prefer integral scope mounts on the receiver, iike Ruger's patented system shown.

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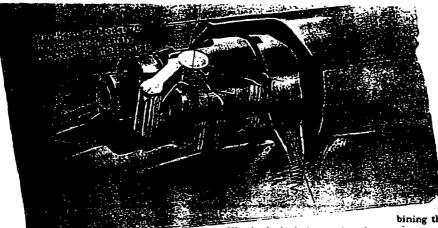
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most of today's hunters who graduate from open sights choose the scope rather than the once-popular peep sight. For this reason, I was surprised to see almost 35 percent want the receiver drilled and tapped for a receiver sight. In fact, a surprising number would like to see this type of sight offered as a factory-installed option. The old peep sight is nowhere near as popular as it once was, but it obviously isn't ready to be buried yet.

#### Safety Type

The three-position Model 70-style safety got the most votes with the tang safety of the Savage Model 110 and old-style Ruger Model 77 (which Ruger seems to be phasing out) in a strong second place. In third place was the Remington Model 700-style safety with the Weatherby Mark V-style in a distant fourth place.

#### Bolt-Locking Lug Type And Location

I wasn't surprised to see the majority prefer locking lugs at the front of the bolt rather than at the rear (the discontinued Remington Model 788 has the latter type), but the number of votes cast for multiple-locking lugs numbered greater than I had expected. Although the majority prefer dual-opposed luga, over one-third are convinced that Roy

Weatherby had a better idea when designing his Mark V rifle.

#### Extractor Type

Listen up you fledgling designers of future rifles: Even though Peter Paul Mauser's extractor design is approaching its 100th birthday, 55.5 percent of the respondents still consider it best. Among rifles of yesteryear with the '98 Mauser extractor are the 1903 Springfield, 1917 Enfield, the Winchester Model 54, the Remington Model 30, the pre-'64 Model 70, and the Kimber Model 89. As U.S.-manufactured rifles go, U.S. Repeating Arms' Winchester Model 70 Super Grade and Featherweight Classic, the Ruger Model 77 Mark II Magnum, and the Dakota have this type of extractor.

#### Ejector Type

The '98 Mauser was voted into the No. 1 slot in the extractor category, but it came in third in the ejector design department. The spring-loaded, plungertype ejector now commonly seen on many rifles, including the various Remington bolt actions and the post-'64 Model 70 got the most votes. The Winchester Model 70 Super Grade ejector which is the same as the one on the pre-'64 Model 70, ranked second. Looking at it from another angle, even though the Super Grade and the Mauser '98 ejector are different designs, they operate the same when ejecting a

case. So, if we combine the number of votes cast for those two, the fixed-type ejector located in the receiver edges out the plunger type located at the boltface for first place. From a realistic point of view, the relatively narrow vote count margins between the top three choices in this category indicate that a lot of hunters are happy with a rifle with either type of ejector design.

> Sorry, But We Can't Have Both

Some who voted for combining the original nonrotating, exterior-mounted extractor of the '98 Mauser with the Remington 700-type ejector overlooked the fact that the two designs are not compatible. The confusion may be due to the fact that the original Ruger Model 77 appeared to successfully combine those two designs. After all, its extractor "looks" the same as that of the Model 700. There's a subtle yet important difference.

When the bolt of the '98 Mauser pushes on the head of a cartridge and begins to strip it from the magazine, the rim of the cartridge slides between the boltface and extractor claw before the cartridge enters the chamber, hence "controlled feeding."

In the old-style Ruger 77, the front of the ejector pushes on the head of a cartridge and its extractor claw does not engage the rim of the cartridge until it is completely chambered. As the cartridge comes to rest in the chamber, the claw of the extractor cams over its rim and the plunger-type ejector is depressed into the boltface. This type of ejector won't work with the original controlled-feed Mauser extractor because it protrudes from the boltface and would prevent the rim of a cartridge from sliding beneath the claw of the extractor. This is why factory rifles with a true controlled-feed design like the pre-'64 Model 70, Model 70 Super Grade, and Model 70 Featherweight Classic have a blade-type ejector located in their receiver rather than a plunger type located at the front of their bolt.

#### Bolt (Cocking Piece) Shroud

The majority (41.8 percent) prefer a closed-end style of bolt shroud simply because it better shields the shooter's face from rampaging propellant gas that might escape rearward in the event of a ruptured case or blown primer. On the other hand, 32.7 percent prefer the open-end style because they can tell at a glance if the firing pin is cocked and ready for firing. Quite a large number of voters in the second group did note that they would prefer

More respondents want a closed bolt shroud like the Weatherby Mark V, which shields shooter's face from escaping gases.

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some type of device to indicate when the firing pin is cocked. Three such rifles that spring immediately to mind are the Weatherby Mark V, the Weatherby Vanguard, and the Sako. When the firing pin of those rifles is in its cocked position, a metal tab protrudes from beneath their closed-end bolt shroud.

#### Magazine Type

Considering that the Model 788 with its detachable magazine was less than a blazing success for Remington, this one really caught me by surprise. More than 50 percent of the respondents prefer the more traditional Mauser-type, enclosed magazine, but a surprising 42.7 percent voted for the detachable magazine. Perhaps this explains why the Savage Model 110C, the Tikka, and U.S. Repeating Arms' new Model 70 DBM (Detachable Box Magazine) are selling so well. Now that Shooting

#### CHART A QUESTIONNALES REINRICED DYST-119 State California Texas Pennsylvania g New York Washington 3.9 Michigan 👘 3.8 Wisconsin ..... 3.2 Missouri 3.1 Oregon 3.0 Colorado 2.9 2.8 Florida Montana 2.7 2.6 Ohio 2.2 Alaska Minnesota 2.2 2.2 2.1 2.0 Utah Virginia Illinois Georgia 2.0 Indiana Arizona 1.9 North Carolina 1.9 Tennessee 1.9 Maryland 1.7 New Mexico 1.4 Wyoming 1.4 Idaho 1.2 Arkansas 1.3 Kansas 1.1 Mississippi 1.1 0.9 Oklahoma 0.9 West Virginia 0.8 Nebraska Connecticut 0.8 0.8 lowa Massachusetts 0.8

Nevada

New Jersey

South Carolina

Remaining states

Other countries

Kentucky

Alabama

0.8

0.8

0.7

0.7

0.6

4.9

1.8



Times' readers have opened other manufacturers' eyes on this particular detail, I won't be surprised to see the option become available for other boltaction rifles in the near future.

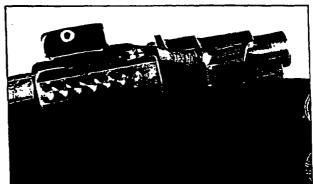
#### Magazine Floorplate Design

Some who voted for the blind magazine (solid-bottom magazine box cutout in the stock with no steel floorplate like on the Remington Model 700 ADL) prefer it because it is less likely to go "bombs away" and dump its cartridges in the dirt due to recoil opening a hinged floorplate. Several pointed out its importance on a rifle to be used for hunting potentially dangerous game. On the other hand, some members of the opposing team pointed out that unloading the magazine or clearing a cartridge jam in a bolt action is easier and more convenient if it has a hinged floorplate. Others also mentioned that snow or debris that might enter the action during a hunt is easily removed by opening the floorplate whereas a rifle with a blind magazine may require removal of its barreled action from the stock.

# Barrel Length

No surprises here, but it does appear that many hunters associate short cartridges with relatively short barrels. Over 40 percent voted for the 20-incher for cartridges such as the 7mm-08 Remington and .308 Winchester. A number even went on to note that rifles chambered for short cartridges should also have short actions.

It would also appear that quite a large number of hunters are taking a serious look at a barrel length longer than the standard 24 inches for some of the belted magnums. Almost 35 percent would like to see rifles with 26inch barrels chambered for magnum cartridges in calibers ranging from .240 to .300. As factory big-game rifles go, the Weatherby Mark V, the Ultra Light Model 28, and the Winchester Model 70 Sharpshooter Sporter (from the US-RAC Custom Shop) are among the very few big-game rifles presently available with a barrel longer than 24 inches. (Continued on Page 53)



The Mauser 1898 bolt-release style received 40 percent of all votes, making it the most popular.

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Tem No. 34 on the questionnaire included in my "Design Your Dream Bolt-Action Big-Game Rifle" article asked readers to "list any factory or wildcat cartridge(s) presently unavailable that you would like to see become

available." Over 200 cartridges ranging in caliber from the .17 Hornet for varmints to the .244 H&H Magnum for deer to the 9.3x62mm Mauser for elk to the .505 Gibbs for elephant got votes.

My original intent was to include only those cartridges that are not presently available in a factory big-game rifle, but I changed my mind after the thousands of votes were tabulated. Several factory cartridges that are presently available only in a very limited number of rifles were asked for so often, I decided they simply couldn't be ignored. The .284 Win-

chester, .350 Remington Magnum, and .257 Roberts are good examples. So, I ended up with a "Most Wanted" list of the 25 wildcat, improved, and factory cartridges with some of the latter available in a limited number of factory rifles.

Seventeen (58 percent) of the 25 cartridges most wanted by Shooting Times readers are wildcats so I'll take a brief look at them first. Prior to tabulating all the votes, I knew the Tmm Shooting Times Westerner (Tmm STW) and the .338-O6 (.30-O6 case necked up) had very strong followings, simply because I receive lots of letters from readers on both. I did not, however, realize just how strong the support was. Among those who voted cartridges into the top-25 group, 18.4 percent asked for the Tmm STW and 13.1 percent would like to see ".338-O6" stamped on the barrels of rifles sitting in the rack at their local dealer. Something I found quite interesting but am at a loss to explain is the fact that a high percentage of those who asked for one cartridge also asked for the other. At any rate, the .338-O6 and 7mm STW

I discovered many points of interest that may be overlooked by a brief glance at the top 25 chart. The .264 Winchester Magnum received votes, but not enough to squeeze it into the top 25. On the other hand, smaller cartridges of the same caliber garnered five slots on the chart and received a combined tally of 16.6 percent of the votes. The 6.5-06 snatched third-place honors, just behind its .338-06 littermate. The 6.5x55mm Swedish, 6.5-08, 6.5-284, and 6.5 Remington Magnum rounded out cartridges loaded with .264-inch bullets. Just over 60 percent of those who asked for the 6.5-08 want the Improved version with minimum body taper and a sharper shoulder angle, while others asked for the .308 Winchester case necked down (or the .243 Winchester case necked up) with no other change. Since their

performance is quite similar, I lumped them together on the chart. When combined, those two got almost as many votes as the 6.5 Swede. Lots of big-game hunters (including quite a few outside the U.S.) obviously want (as several respondents put it) an "American version of the Swedish cartridge with a standard rim diameter and short enough to work in a short-action rifle."

### Surprise, Surprise

The .358 Shooting Times Alaskan won fourth-place honors among wildcats and fifth overall. Not bad when you consider that when the votes were cast, I had yet to write an article on the big .35-caliber wildcat, and the *Hodgdon Data Manual No. 26* (which has load data for it) had yet to become available. In fifth-place among wildcats and sixth overall, the .257 Roberts Improved placed higher than its factory-loaded parent. That's probably due to two facts: it's a great little cartridge and the latest Nosler and Homady handloading manuals contain load data for it.

Nipping at the .257 Improved's heels was the .280 Remington Improved. A gunsmith friend who builds super-accurate biggame rifles says the .280 Improved ranks among the five most popular chamberings with his customers. The .30-338 Winchester Magnum case necked down) got enough votes to put it in 10th place overall. This came as a

surprise considering that most factory biggame rifles are already available in .300 Winchester Magnum, which is one of the most inherently accurate cartridges ever developed.

The .284 Winchester's wildcat offspring got enough votes to indicate to me that riflemakers and ammunition manufacturers might be missing out on a few dollars in sales by not offering at least one. The 6.5-284, 6mm-284, and .25-284 were asked for most often, but their .30-caliber cousin also has its share of fans. Since the .240 Weatherby, .25-06, and .30-06 are already available for long-action

rifles, this tells me that no small number of hunters want the same levels of performance in short-action rifles.

#### **Puzzling Presence**

The .338 Winchester case necked up to .375 caliber got quite a few votes from those who want near .375 H&H Magnum power from a shorter cartridge. The .30-06 Improved, one of P.O. Ackley's most controversial cartridges, also made the chart. I am puzzled by the presence of the .416 Taylor among the top 25. Formed by necking down the .458 Winchester Magnum case, it's a good cartridge, but 100 to 200 feet per second (fps) slower than the factory-loaded .416 Remington Magnum.

Two wildcats on the huge .378 Weatherby Magnum case made the top 25 chart. I had assumed that the .338-caliber version is more popular, but more *Shooting Times* readers asked for the .30 caliber.

There was a real battle for the 25th slot between the .338-378 and, believe it or not, the 9.2x62mm Mauser.

### First From Factory

Among factory cartridges, the .284 Winchester was asked for more often than any other. It got more votes than the .257 Roberts, .35 Whelen, and 6.5 Remington Magnum combined. The .358 Winchester took second place in the factory-loaded class and 8th overall. The 6.5x55mm Swedish was voted into 9th place overall and was the third most requested among factory cartridges. It was followed closely by the .250-3000 Savage, .350 Remington Magnum, and .257 Roberts. Interestingly enough, more *Shooting Times* readers asked for the .358 Winchester and .350 Remington Magnum than for the .35 Whelen. More readers also requested the .250-3000 than the .257 Roberts.



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### **Open Sights On Barrel**

They say open sights are bordering on obsolete for big-game hunting and no longer necessary nor wanted on factory bolt-action rifles, but 38.9 percent of the respondents disagree with that line of thinking. Based on additional comments made by that group, it appears that the majority use a scope for hunting, but still feel more comfortable if their rifles wear iron sights in case the scope goes haywire in the field.

#### Individual Statistics Can Be Misleading

I'm sure all of you are familiar with the old story about several blind men who were asked to examine a single part of an elephant's body and then describe the animal they had touched. For obvious reasons, the chap who ran his hands over the elephant's trunk came up with an entirely different description of the animal than the one who examined an ear.

It is easy to fall into the same trap by singling out specific design details of a product, asking for opinions on them, and then drawing misleading conclusions about what the product will look like when all the pieces are put together. For example, 76.5 percent of the respondents voted for a classic-style stock, 61.6 percent chose a solid recoil Even though most ST readers say they use scopes for hunting, almost 40 percent also want open rear sights like those on Remington's M700.

pad, 62.9 percent don't want a forearm tip of contrasting color, 85.4 percent would rather live without white line spacers, and 83.3 percent prefer a low-luster finish. Now for the interesting part.

The stock of the Weatherby Mark V is the Monte Carlo style, has a contrasting forearm tip, a ventilated recoil pad, white line spacers, an extremely shiny finish, and when judged individually as a component part of a rifle, it ranked down in 9th place in the "Best Looking And Feeling" department among other factory stocks. And yet, the "California-style" Weatherby Mark V and the "Classic-style" Ruger Model 77 virtually tied for first place in the **"Factory Rifle Considered Most Hand**some" category. Perhaps this tells us that when examined individually, some aesthetic details are less appealing to some than others, but when those same details are combined into



one complete package, they become quite appealing. Or Shooting Times readers could be telling us that the Weatherby Mark V looks the way it does because it wouldn't look like a Weatherby Mark V if it looked any other way.

### Wood Versus Synthetic

Many respondents noted that if they had to do all their hunting with one rifle, it would have a synthetic stock, but since they didn't, they also owned rifles with wood stocks. Several pointed out that any time they hunt in areas that get lots of wet weather (like southeastern Alasks), they always use a rifle with a synthetic stock. On the

# Cartridges ST Readers Want

Ranking	Cartridge	Percentag Of Reque
1.	7mm Shooting Times Westerner	18.4
2.	.338-08	13.1
3.	6.5-06	5.9
4.	.284 Winchester	5.7
5.	.358 Shooting Times Alaskan	5.6
6.	257 Roberts Improved	4.9
7.	.280 Remington Improved	4.1
8.	.358 Winchester	4.0
9.	6.5x55mm Swedish	3.8
10.	.30-338	3.4
11.	6.5-08/6.5-08 Improved	3.2
12.	250-3000 Savage	2.9
13.	.350 Remington Magnum	2.7
14.	6.5mm-284	2.5
15.	6mm-284	2.4
16.	257 Roberts	2.2
17.	.25-284	2.1
18.	.375-338	2.0
19.	.30-06 Improved	1.9
20.	.35 Whelen	1.8
21.	.30-284	1.6
22.	30-378 Weatherby Magnum	1.7
23.	.416 Taylor	1.6
24.	6.5 Remington Magnum	1.2
25.	.338-378 Weatherby Magnum	1.1

25 Honorable Mentions			
Cartridge	Parent Case	Case Forming Procedure	
122 Hornet	Factory cartridge	_	
222-250 Improved	22-250 Remington	A	
322-243	.243 Winchester	8	
4. 6x45mm	223 Remangton	С	
5. 6mm BR Remington	Factory cartridge	-	
6. 6mm-06	30-06	8	
725-08	.308 Winchester	8	
8264 Winchester Magnum	Factory cartridge	-	
9. 7mm T/CU	.223 Remington	E	
10. 7x57mm Mauser	Factory cartndge		
11. 7x57mm Mauser Improved	7.57mm Mauser	A	
12. 7mm ST Easterner	.307 Winchester	0	
13. 7x64mm Brenneke	Factory cartridge		
14, 7.62x39mm Russian	Factory cartndge		
15300 H&H Magnum	Factory cartridge		
16300 Jarrett"	8mm Remington Magnum	0	
17. 8x57mm Mauser	Factory cartridge		
18. 8mm Remington Magnum	Factory cartridge		
<u>19. 8mm-06</u>	.30-06	C	
20338-08	308 Winchester	C	
21338-284	.284 Winchester	C	
2235-284	284 Winchester	Ċ	
2335 Whelen Improved	.35 Whelen	<u>A</u>	
24358 Norman Magnum	Factory cartridge		
25. 9.3x62mm Mauser	Factory cartridge		

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other hand, when going on a dry-country hunt (like for Wyoming pronghorn), they hunt with a wood-stocked rifle. Several dozen asked for a rifle that comes from the factory with two stocks, one carved from wood and another of synthetic materials.

This tells us that the majority of hunters (including yours truly) are still tradition bound and actually prefer the look and feel of a wood stock. Hunters are not buying synthetic-stocked rifles because they like them better than wood. Quite the contrary, there are more things hunters don't like about the synthetics than is the case with wood. They're buying them because, from a purely practical point of view, they are superior in several ways. This also tells us that even though the synthetics have become extremely popular, there will always be a great demand for the more handsome wood stock.

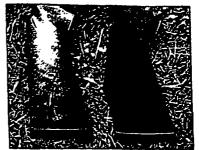
I find it interesting that 57.8 percent of the respondents indicated that from 20 to 50 percent of their hunting days Three popular wood stock styles are (L-R) Classic, Monte Carlo, and Classic with checkplece.

each year are during rainy or snowy weather. As might be expected, more of them voted for the synthetic stock than those who experienced 10 to 20 percent wet hunting days.

Odds And Ends Quite a few respondents went beyond the scope of my questions

with comments on various design details that were not addressed by my questionnaire. Space limitations do not allow me to cover them all, but here are those that got mentioned most often.

Anyone who has hunted a great deal in freezing rain knows that if enough water is allowed to accumulate in the action of a rifle, it can freeze up and become inoperable. This can also happen if snow melts, enters the action in the form of water, and then refreezes. Those hardy souls among us who have experienced this problem asked for one of two things on their "dream" bolt-action rifle. Some asked for a sliding dust cover that prevents water and dust from entering the action when the bolt is closed. The old Siamese Mauser military rifle had such a device, but as U.S.-manufactured big-game rifles go, only the Remington Model 760 slide action has it. Others asked for a more narrow ejection port in the receiver, like the one on the Tikka, the Remington 788, and the old Schultz & Larson.



The two most-popular synthetic stock colors are wood grain and black.

There were other requests, including a band-type quick-detach sling swivel mounted out on the barrel of rifles chambered for hard-kicking cartridges rather than the screw-type back on the forearm. Remington's Custom Shop Model 700 Safari Custom KS (Kevlar stock) in .375 H&H, .416 Remington, and .458 Winchester has the barrelband-type front sling swivel. The front swivel on the barrel of the Winchester Model 70 Super Express in those calibers is not the band type, but is mounted out on the barrel.

Other frequent requests include a bolt that is locked from rotation when the safety is "On" (like the Model 70 Super Grade, Ruger 77 Mark II, and Weatherby mark V); preference of leather slings over nylon; a stainlesssteel/synthetic, heavy-barrel varmint rifle (the Ruger has a laminated wood stock); a heavy bead-blasted finish for less sparkle and shine from the finish of stainless-steel rifles; a quiet, no-click safety; and last but certainly not least in importance, a price within reach of the working man.

CHART B What ST Readers Prefer In A Bolt-Action Big-Game Rifle			
Barreled Action Material And Finish 40.8% Stainless steel with blue/ black finish 23.9% Stainless steel with brushed finish 21.6% Blued carbon steel 10.5% Carbon steel with black Tefton finish 0.3% Carbon steel with hard- chrome finish 2.9% No preference Scope Mounting System 59.9% Integral base on receiver 34.8% Receiver drilled and tapped 5.3% No preference Receiver Should Be Drilled And Tapped At Factory For Receiver Sight 48.4% No 29.3% Yes 22.3% No preference Safety Type 42.5% Three-position on bolt shroud	<ul> <li>34.3% Two-position on receiver tang 15.2% Two-position beside receiver tang</li> <li>7.9% Two-position on bolt shroud 0.1% No preference</li> <li>Bolt-Lecking Lug Type</li> <li>57.5% Oual-opposed</li> <li>35.3% Multiple</li> <li>7.2% No preference</li> <li>Locking Lug Location</li> <li>88.6% At treat of bolt</li> <li>0.3% At rear of bolt</li> <li>13.1% No preference</li> <li>Bolt Handle Style</li> <li>25.6% Remington Model 700</li> <li>23.2% Winchester Model 70</li> <li>19.1% Ruger Model 77</li> <li>11.6% Browning A-Bolt</li> <li>8.4% Sako</li> <li>3.6% Weatherby Mark V</li> <li>4.4% Others</li> <li>4.1% No preference</li> </ul>	Extractor Type 55.5% Pre-64 Model 70/Model 70 Super Grade/Model 88 Maiser. 16.4% Remington Model 700 8.2% Ruger Model 77 7.6% Salco 7.0% Post-64 Model 70 0.2% Others 5.1% No preference Ejector Type 31.3% Remington Model 700/Post- 64 Winchester Model 70 28.6% Model 10 Super Grade/Pre- 64 Model 70 Super Grade/Pre- 64 Model 70 25.6% Model 1898 Maiser 8.3% Ruger Model 77 7.1% No preference Bolt Release Type 40.6% Model 1898 Maiser 8.5% Remington Model 700 20.6% Winchester Model 70 20.6% Savage Model 110 8.8% No preference	Bott Shroud (Cocking Piece) Style 41.8% Closed at rear 32.7% Open at rear 25.5% No preference Bott Body Style 52.1% Nonfluted 27.5% Futed 20.4% No preference Bott Body Finish 7 44.3% Polished and jeweldd (engine-turned) 28.1% Blue/black 22.2% Polished 5.4% No preference Bott Handle Knob Style 66.6% Checkered surface 27.5% Smooth surface 5.9% No preference Magazine 57.1% Mauser-type enclosed box 42.7% Detachable 0.2% Rotary

6440

BĄF	RBER 🛲	PRESALE R 01	16197
	83.7%	Hinged	0.8%
- I	11.5%	Blind No preference	0.496
		e Floorplate Release Location	
	65.6%	At front of trigger guard	89.7%
-	23.8%	inside trioger quard are set.	6,196 1,196
	10.6%	No preference zara	3.1%
	·B	arrel Length (laches)	S
	37,496	rtridges (7mm-08, .308, etc.) 18.5	62.196
	42.3%	20	26.4%
	14.1%	22	11.5%
	6.2%	24	Most
1	Long Ca	tridges (.270, .30-06, etc.)	Syntheti
2	16.1% 59.3%	20 22	64.1% 19,5%
2	23.1%	24	16,4%
	1.5%	28	Distin
	Baltad Ma	agnums (240 to ,300 calibers)	48.4%
	8.8% 56.3%	ZZ *****	24.2%
		24 26	11.6% 9.3%
	Beitad Ma		3.370
	11.3%	24	0.4%
	22.7%		2.1%
	2.4%	agnums (.418 to .458 calibers) 20	. Factor
	28.1%	22	Bet
	63.2%	24	16.996 13.8%
	6.3%	26	13,196
		pen signs on Barrel	
	56.3% 38.9%	No J 🖓 🧮	12.3%
	4.8%	No preference	11.5%
		Stock Material	5.5%
	42.2%	Synthetic	4.5%
	41.6%	Walnut	4.3%
1	16.2%	Laminated wood	4.2% 4.1%
	-	Stock Style	2.6%
	76.4% 23.6%	Classic Monte Carlo	7.2%
	60.070		Fa
	61.7%	Recoil Pad Type Solid	
	28.6%	Ventilated	54.4%
	9.7%	No preference	12.6%
		Checkplece	8.9%
	61.2%	Yes	5.5%
- P	38.8%	No	3.7%
- 8		Whiteline Spacers	4.8%
	85.4% 14.6%	NO	Fa
		Yes	29.6%
	100%	ible Carrying Sling Swivels Yes	27.6%
		Wood Stock Flaish	20.1%
	83.3%	Low-luster satin	9.1%
	11.196	High-gloss	4.2% 3.3%
	5.6%	No preference	3.8%
		ynthetic Stock Finish	2.3%
	36.4%	Smooth texture with molded-	Fa
	31.5%	in checkering Rough texture	
	23.1%	Rough texture with molded-	16.7% 16.6%
		in checkering	10.6%
	6.9%	Smooth texture	
	2.1%	No preferance	9.4%
	39.5%	Synthetic Stock Color Black	
	29.3%	Figured wainut	9.0% 7.8%
	20.1%	Carnouflage	7.2%
	8.6%	Gray	5.2%
-			

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6197	Green	3.9%	161
0.8%	Brown	3.370	Grad
0.496	Others	3.5%	Winc
	Buttstock Options	8.3%	Othe
89,7% 6,1%	Rubber recoil pad	Fa	ictory
1,196	Steel buttplate Synthetic buttplate	68 cm	. 80
3.1%	No preference	56.6% 16.9%	Rem
0		10.3%	Sako
62.196	ock/Action Bolt Type Hex (Allen) head	3.5%	Wea
26.4%	Slotted head	2.6%	Sava
11.596	No preference	1.7% 8.4%	Brov
Most I	mportant Advantage Of A		tory
Syntheti 64.1%	E Stock Over A Wood Stock		8e
19.5%	More stable Lighter	20.2%	Rug
16.4%	Stronger and more durable	19.3%	Win
Distik	s About Synthetic Stocks	12.2%	Feat Rem
46.4%	Ugly	12.2.79	tain
24.296	Noisy	11.0%	Rem
11.6% 9.3%	Cold feel Paint coating easy to scratch	8.0%	Brow
	or chip	7.2% 6.3%	Ren Salu
0.4%	Slippery when wet	3.4%	Win
2.196	nigh cost	2.9%	Rem
. Factor	Wood Stock Considered	. 1.8%	Ultra
16,9%	t Looking And Feeling Ruger Model 77	1.7% 1.5%	Rug Wea
13.8%	Remington Model 700 Classic	4.5%	Oth
13,196	Remington Model 700 Moun-	New RI	fin St
12.3%	tain Rifle		tiona
12.370	Winchester Model 70 Feather-	73.9%	Yes
11.5%	Remington Model 700 BDL	26.1%	No
5.5%	Sako	New Ri	lle St
4.5%	Ruger Model 77 RSI		inal S
4.3% 4.2%	Winchester Model 70 Sporter Weatherby Mark V	88.0% 11.4%	Yes No
4.196	Browning A-Bolt	0.6%	No
2.6%	Remington Model Seven		
7.2%	Others	She	rt-Act
Fa	tory Rifle Considered	25.5%	.30
54.4%	Most Accurate	18.996	7m
12.6%	Remington Model 700 Sako	13.3%	.24
10.1%	Winchester Model 70	6.7% 6.6%	.28
8.9%	Ruger Model 77	5.8%	6.5 .35
5.5% 3.7%	Browning A-Bolt Savage Model 110	5.5%	.25
4.8%	Others	3.5%	6m
E.		3.3% 3.2%	6m
68	ctory Rifle Considered Most Dependable	2.9%	.25 .35
29.6%	Remington Model 700	1.4%	6.5
27.6%	Ruger Model 77	1.4%	7.6
20.1% 9.1%	Winchester Model 70	1.2% 0.8%	.30 Oth
4.296	Interarms Mark X Sako	0.014	oui
3.3%	Weatherby	New	
3.8%	Browning A-Bolt	0  57.3%	rliona
2.3%	Others	23.7%	Yes No
Fa	ctory Rifle Considered	19.0%	No
16,7%	Most Handsome Ruger Model 77		
16.6%	Weatherby Mark V	51.3%	Style Con
12.4%	Winchester Model 70 Feather-	42.5%	Mai
G 404	weight Reminester Madutter vo	6.2%	No
9.4%	Remington Model 700 Moun- tain Rifle	Mark	aler
9.0%	Sako	Mechai With	
7.8%	Remington Model 700 Classic	68.1%	No
7.2%	Browning A-Bolt	14.3%	Car
5.2%	Remington Model 700 BDL	1	trar

Winchester Model 70 Super #	- 6.6%	Extractor broke or matture- starter
Grade		lioned
Winchester Model 70 Sporter	5.4%	Point of impact shifted (loss
		OT ZERO)
actory Rifle With The	- 3.3%	Floorplate latch popped loose
Best Trigger	- 1 104	from recoil
Remington Model /00	- 1.1%	Action fraze during extreme
Sako	1.1%	IN CORD, WOLL WESTING
Weatherby Mark V		Elector malfunctioned
Savage Model 110	What N	lanufacturers Could Do To
Browning A-Bott	Impre	we The Bolt-Action Rifle
Others	24.4%	Better bedding of barreled
5 · ·	23.4%	action in stock
ctory Rifle Considered Best Handling	13.6%	Better overall fit and finish
Ruger Model 77		Lighter and smoother trigger out
Winchester- Model 970	13.596	Smoother bolt travel in
Featherweight:		re ceiver
Remington Model 200 Main 2	12,296	Nothing needs improving
tain fille 2018 1998 1998	6.196	Better bore quality of barrels
Remington Model / UD BOL	2.2%	Reduce bolt wobble in re-
Browning A Bolt Remington Model Seven	5	Celver
Remington Model Seven	2.3%	
Salo Winchester More JUS Jones	7	type receiver sight
Winchester Minie 70 Stoper 2	1.4%	Quieter safety operation He stat
Remington More (711) Descent	0.9%	Closer alignment of scope mount base screws on re-
Ultra Light Made 20 r 24 2	2	mount base screwston re-
Ruger Model V/PISI	<b>X</b>	corver with ands of the born
Weatherby Mark V Others	Charac	teristics Of The Bott-Action
		at Cause You To Choese It
fis Should Be Offered With		er Types Of Big-Game Rifles
tional Lefthand Action Yes	22.3%	More accurate
	14.346	More reliable
No preference	10.2%	
fle Should Be Offered in Aa	7.6%	More calibers available
onal Short-Action Version	6.7%	Fits, feels, and handles
Yes		better
No	5.5%	Easier to clean
No preference	4.7%	Simple design
	4.5%	More durable
rt-Actien Rifle Should Be	3.3%	Trigger easier to adjust or
Offered In:		have adjusted
.308 Winchester	2.196	Usually weighs less
7mm-08 Remington	1.2%	Better trigger
.243 Winchester	1.2%	Better for handloads
.284 Winchester	1.196	More positive chambering
6.5-08 Improved (wildcat)		and extraction
.358 Winchester .250 Savage	1.0%	Easier to unload
6mm Remlagton	Accepta	ible Factory Big-Game Rifle
6mm-284 (wildcat)	Ac	Curzcy For A Series Of
.257 Roberts	Three-	Shot Groups At 100 Yards
.350 Remington Magnum	42.3%	1.25-1.50 inches
6.5 Remington Magnum	33.3%	0.50-1.00 inch
7.62x39mm Russian		1.50-2.00 inchas
.300 Savage	6.7%	1.00-1.25 inches
Others	3.3%	Over two inches
	Percer	stage Of Boll-Action Rifles
Rille Should Be Offered In	Camp	ared With Other Types Of
ntional Carbine Version	1	Alfles Owned
Yes	37.5%	Boll actions
No	24.1%	Lever actions
No preference	16.3%	Autoloaders
Style Of Carbine Should Be:	15.3%	Single shots
Conventional	6.8%	Slide actions
Mannlicher (full-stock)	Batt-Act	ion Rifles Made Today Are:
No preference	79.9%	More accurate than rifles
·		made 20 years ago
nical Problems Experienced	17.5%	As accurate as rilles made
Factory Bolt-Action Rilles		20 years ago
No problems	2.6%	Less accurate than rifles
Cartridges wouldn't feed		
		made 20 years ago
from magazine		made 20 years ago
stom magazine SHOOTING	TIMES/APRI	

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