

# BOW & ARROW<sup>ICD</sup>

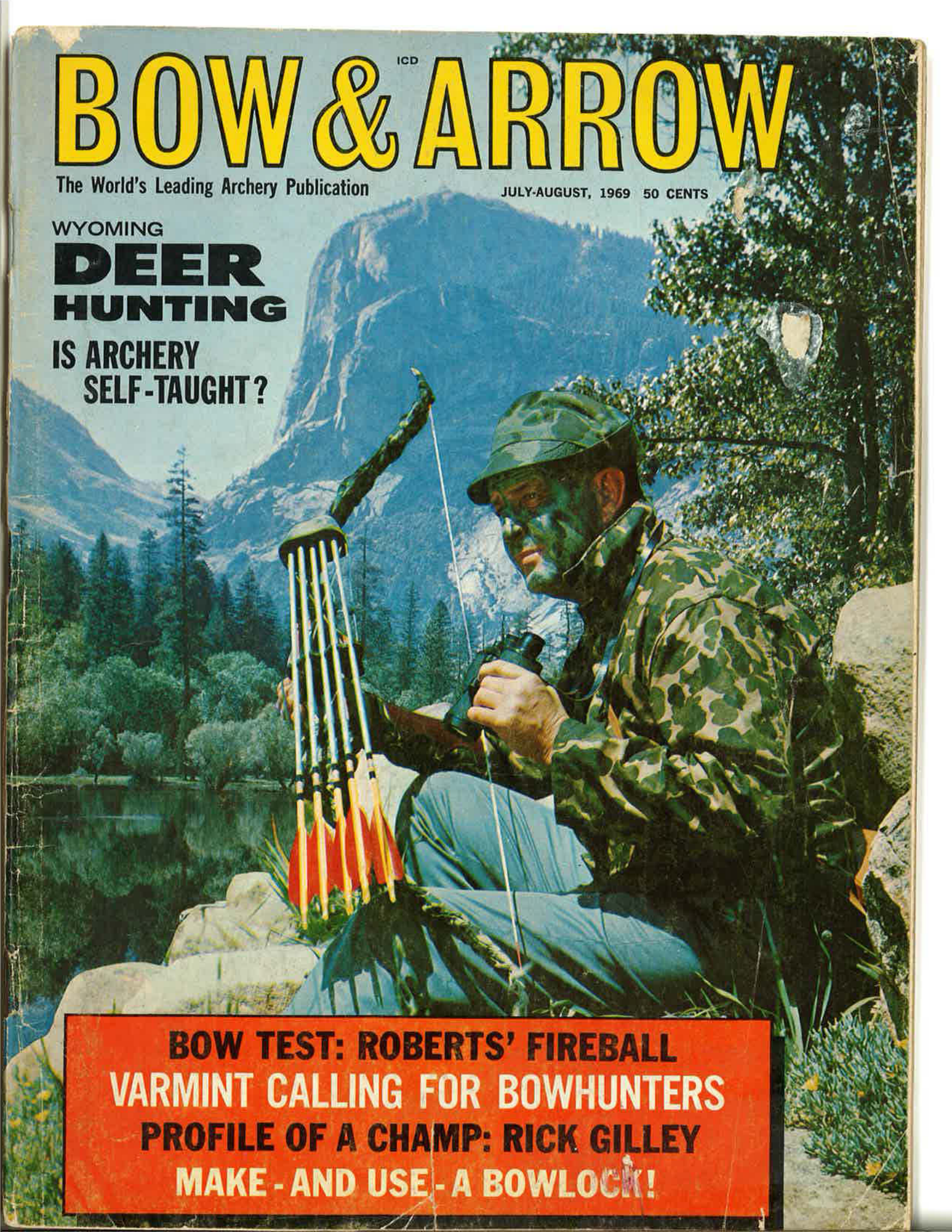
The World's Leading Archery Publication

JULY-AUGUST, 1969 50 CENTS

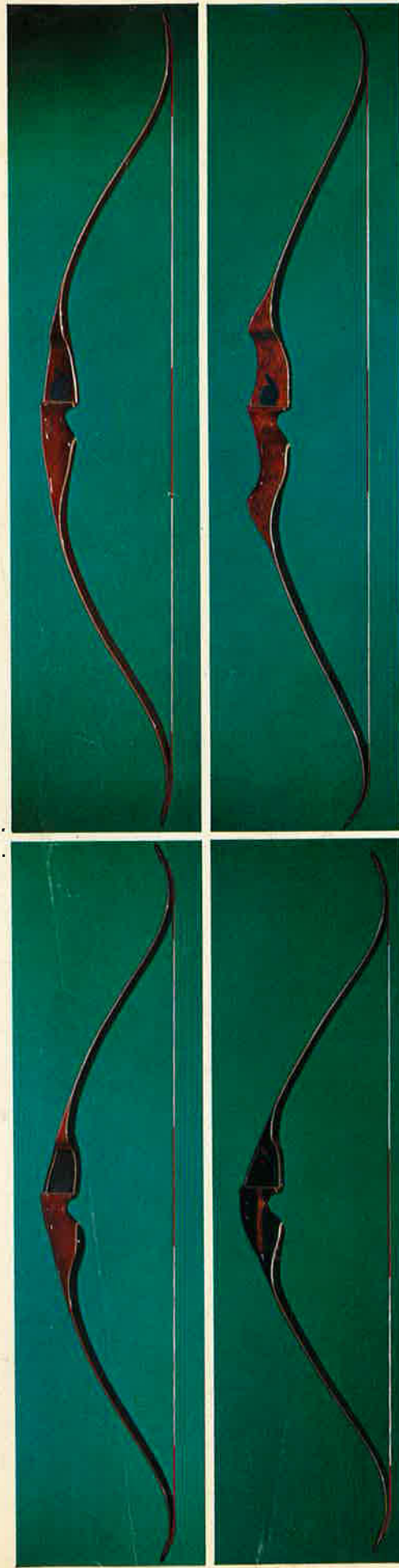
WYOMING

## DEER HUNTING

IS ARCHERY  
SELF-TAUGHT?

A man in camouflage gear and a hat, holding a bow and arrows, sitting on a rock in a mountainous landscape. The background shows a large mountain peak and a forested valley with a river.

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# BOW & ARROW

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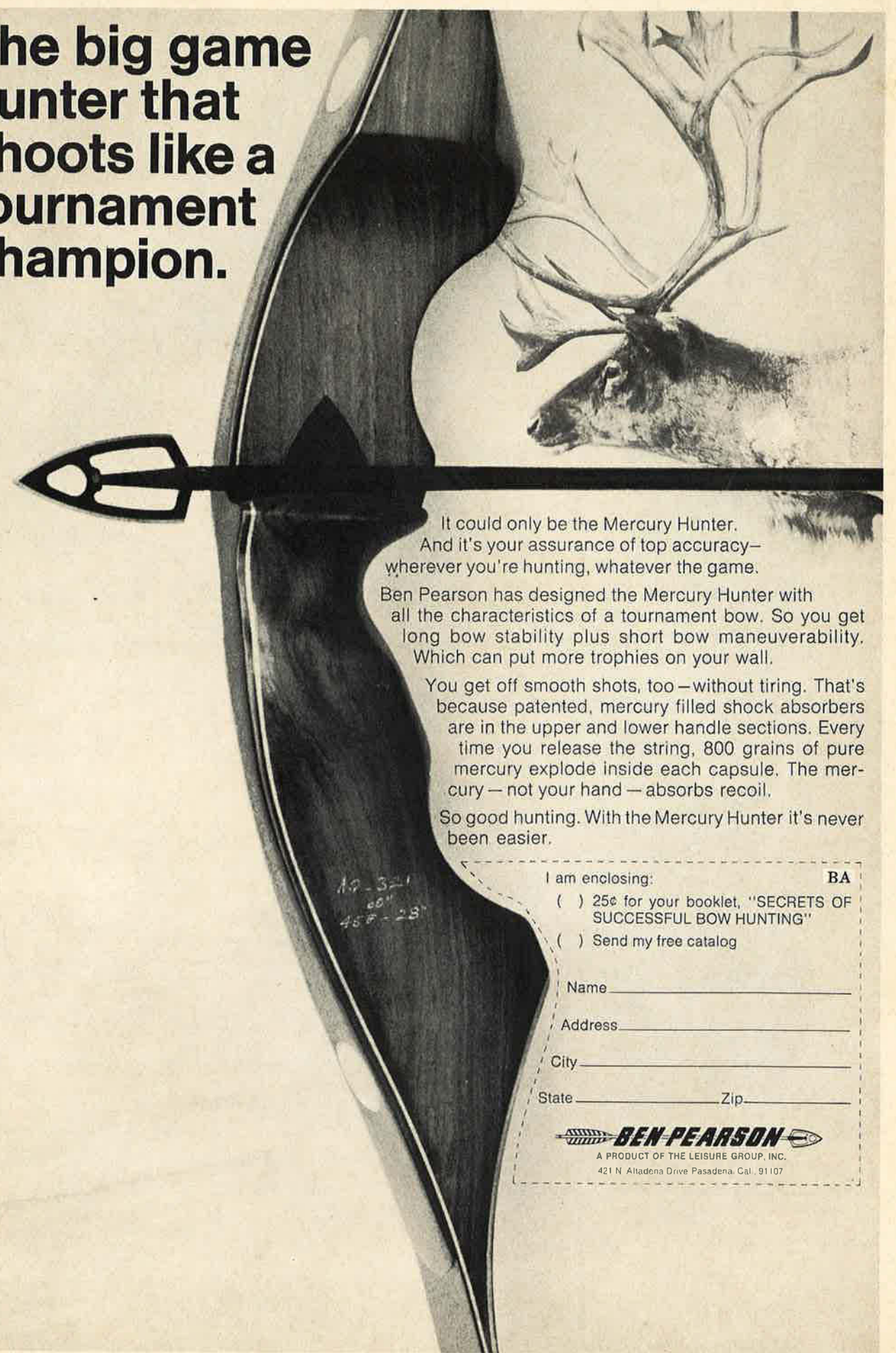


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**ADVERTISING DIRECTOR:** Bob Arsenault  
  
**PUBLISHERS:** Ray Rich & Jack Lewis  
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ON THE COVER: High on the Rockies' eastern slope, Bill Gibson glasses a prime deer area with Bushnell binoculars. His full set of Easton aluminum arrows is fitted to his Groves Spitfire bow with a Bear bow quiver. He wears Kamo jacket by Camouflage Manufacturing Company. Photo by Dick Gibson.

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### CAMO BELIEVER

I've always enjoyed the high quality photography, which has been a trademark of your publication. Dick Gibson really did it with the cover of the January/February 69 issue: a real eye-catcher and an example of a good way of selling more people on utilizing camouflage clothing.

As a longtime user of camo-type products, I've noticed that many hunters go to a lot of trouble to camouflage their clothing and equipment, but they wear their hunting clothes around the cooking and campfires, absorbing the smoke. Doesn't this materially decrease the value of camouflage by making it smell so "human?"

Darrel, Butner,  
Sacramento, California

*(Doug Kittredge is a firm believer in staying away from smoke, which can permeate one's hunting clothes. He has learned through experience and doesn't even smoke in the field.)*

### HAL'S BACK

I was interested in the series you had on the two men who hunted around the world with bow and arrow. Although they weren't too successful and didn't bag too much game, their stories were interesting and I hated to see the series end.

Now, in the latest issues, I am pleased to note that Hal Stephens is going to try again. He should have some exciting stories to tell us and I, for one, am looking forward to reading them.

Paul Lapense,  
San Francisco, California

*(Stephens moves into the mid-Pacific for his latest adventure in this issue. Next stop, the Orient, he tells us.)*

### THUMB RING

Thanks to the article by Milan Elott in your March/April 69 issue, I found what an Oriental thumb ring is supposed to look like; information I'd been looking for quite a while.

I made one of deer horn and am well pleased with it. But I'd learned the thumb release, using a simple thumb tab of heavy leather about one-eighth of an inch thick. This works pretty well, if you don't shoot too much at one time. Light leather, such as that used in finger tabs and gloves, won't do.

I shoot off the left side of the bow,

*Continued on page 72*

# Books for reading and reference to improve your archery skill and "savvy"



## THE NEW ARCHERY

by David F. Butler



David Butler, with degrees in Marine Engineering, Naval Architecture, and Mechanical Engineering, is an avid archery enthusiast. In this book, he applies his scientific background to bring to the reader a fascinating study of the aerodynamic and engineering aspects of the age-old bow-and-arrow sport.

There has been a revolution in archery equipment during the past twenty years. Space-age materials and manufacturing techniques have been applied to develop equipment of greatly improved accuracy, durability and power. These techniques, as well as the equipment and its

construction, are discussed in great detail.

The author not only explains the operation of the modern bow and arrow — from launching, thru flight, to target — but also explains the actual performance of the arrows in connection with air resistance, angle of launch, trajectory, velocity, etc., as compared with the theoretical performance under ideal conditions. To illustrate his text, he has included dozens of graphs, line drawings and photos, producing a lucid, interesting, in-depth study that will prove extremely satisfying for the archery buff and for sportsmen in general. \$4.95

## THE ENCYCLOPEDIA OF ARCHERY

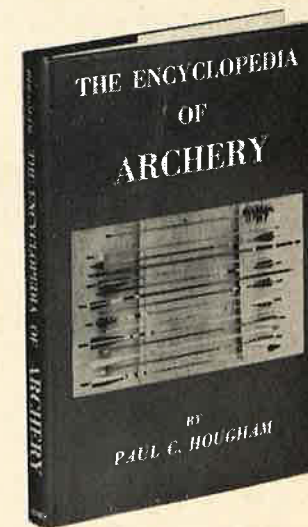
by Paul C. Hougham

The history and mechanics of archery receives a new and comprehensive treatment in this all-embracing book. In addition to a detailed explanation of the three major components of the archery set — the bow, the bowstring and the arrow — and the role each plays in relation to the other, the author defines the basic rules of the game and illustrates proper techniques and practices. The subsequent terminology is more readily understood once this basic introductory material has been fully mastered. Archery is not a mere game of chance but is a highly involved skill requiring a great deal of precision in its movements.

Among the subjects that come under discussion are the acceleration of the bow; the bow sight; creeping; de-nocking an arrow; the fall-off;

flinching; archery ranges and nearly four hundred more facets of this outstanding activity. In addition, all available information pertaining to the cross-bow and bolt has been included. Although these parts are not actual archery equipment, they still find a large following among archery devotees.

Also included is the historical and general background information on the various archery associations; detailed score listings of all archery competitions; interesting sidelights of archery lore and legend and a comprehensive national listing of archery shops, equipment manufacturers and the specific items they feature. Additional data provides a dictionary of modern day terminology as well as scores of lucid line drawings and photographs. \$5.00



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## BUCK KNIVES

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# TECH TALK

### SCENTED HUNTER

I have hunted deer for seven years with a gun, but have changed recently to a bow. When I hunted with a gun, I hunted from a tree. After trial and error, I found I had more luck with a bow on the ground.

I was wondering if different kinds of scent and buck lures work. I am mainly concerned with whether they kill most of the human scent.

Mark Pierce  
Muskogee, Oklahoma

*(We don't recommend the use of buck lure and scent on the hunter's person, as they will attract the attention of the deer, and make it easy for the deer to see the hunter's motion. Use the scent to cause the deer to keep his attention elsewhere, such as hanging a saturated cotton ball in a tree away from your blind.)*

*(Use a scent common to the area where you are hunting. Pine in the mountains, sage in the flats, et cetera. Rub crushed leaves under your arms and between your legs or purchase commercial liquid scent of the kind desired. The cost is about \$1 a bottle with instructions.)*

### SCRAPE HUNTING

The following questions are really stumping some pretty good whitetail hunters of Wisconsin.

The group of fellows I hunt with are all veteran men of the woods and all have gotten deer at one time or another. Now we tried scrape hunting, I mean really hot scrapes, but no success. This, of course, means going down the list saying all things are perfect — wind; camo; blinds; moon phases; trying morning, noon and night hunting, still no success. What are the habits that bucks have on scrapes? Do they visit them three times a day, once a week or do they have so many that they forget to check them out?

Tony Wulin,  
West Allis, Wisconsin

*(The only reason for deer to go to a scrape is for food. Such areas get lots of sun and small plants spring up easily. The normal feeding times for deer are during the night, but*

*Continued on page 62*



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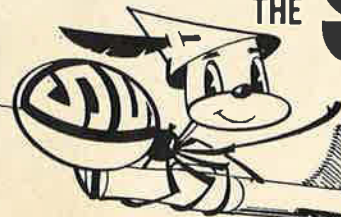
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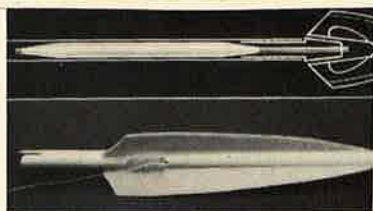


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HUNTING WITH  
*Doug Kittredge*

I received a letter from a bowhunter in the Midwest who says that, as most bowhunting is really for small game, rather than these fancy trips we are always reading about, he wonders why there is not more information available on the subject.

I have to agree that most articles and books play strongly on hunting deer, bear, goats, or the results from Alaskan or African trips. We do seem to slight the small game hunter, yet when they stop to think about it, I'm sure most bowhunters will agree that some of the best times they can recall hunting with a bow will involve that afternoon they just couldn't seem to miss those squirrels, maybe the Sunday when the club had a drive on jack rabbits or that



weekend varmint calling, when the coyote almost stepped on you.

When you hunt for small game, there is usually far more action to be had, many more arrows to be shot, and it gives a chance for a bunch of guys to join in with some hard to beat fellowship.

There are no hard and fast rules for small game bowhunting. Just sort of wander around and take a shot at whatever pops its head up. You'll soon learn what to do and the mistakes to avoid. The chance to sneak up on a rabbit cooling in the shade of a sage is practice that will pay off with more important game later on. With great numbers of arrows being shot, you soon learn to shoot at game and will be less of a candidate for buck fever come deer season.

I recall one of the best times I ever had hunting with a bow was a bright, sunny spring day when Jim Dougherty, myself and a few other local arrow shooters descended upon a ground squirrel metropolis. Squirrels popped up all over. We sneaked first this one, then that one. We shot so many arrows our arms ached. A couple of rabbits came into view to see what was going on, while a crow flew in just barely low enough to hit with a rifle, let alone a bow...yet all were victims of a shot or two thrown in their direction. Surprisingly little damage was done the animal population, but we did manage to dent a case of cold brew severely. And most important, we had an unforgettable archery outing.

*Continued on page 18*



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## CLUB CALL!

### STAPLES TO HEAD PAA

The board of directors of the Professional Archers Association announced the presidential election of Dave Staples of Phillipsburg, New Jersey. He has served as tournament director, promotional director and on the board of directors.

Joe Johnston of Phoenix, Arizona, is tournament director, and Doug Morgan of Grayling, Michigan, and Les Brown of Flint, Michigan, are on the tournament committee. Alfred Henderson also of Phoenix, will become director of the instructional committee. George Gardner of Evansville, Indiana, will be on the board.

### BAREBOW PREXY

The United States Bare Bow Archery Association, Incorporated, elected William Chiba of Feeding Hills, Massachusetts, president for this year.

He has been field governor of Massachusetts for the NFAA and publicity director and classification officer for the Massachusetts Bare Bow Archery Association, to give a partial accounting of his credits. Since taking up archery in 1955, he has downed fifteen deer.

### COLLEGIATE ARCHERY

An honorary All-American Collegiate Archery team for men and women is to be named by the NAA and appear in our next issue. Lorraine Pszczola of San Bernardino Valley College, California, has made a complete job analysis of the S.W. Intercollegiate Meet and has copies of this material available to those who want to run a tournament, but don't know how. Write to Margaret L. Klann at Arizona State University, Tempe, Arizona 85281, if you are interested.

The NAA college committee is organizing ten fall regional intercollegiate meets. Miss Klann is seeking collegiate archery faculty members, who will act as organizer-director for the various areas.

### ARCHERY COURTESY

By way of the Silverado Archery Club of California come these rules for archery: (1) Criticism of a fellow archer or his equipment is out. (2) Don't give advice unless asked for it.

Continued on page 66

# SIX REASONS

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**BOWMAN'S HANDBOOK**, edited by Patrick Clover; published by the editor of 68 The Dale, Widley, Portsmouth, Hants, England: \$5; 215 pp. Patrick Clover is the editor of British Archer Magazine and knows his subject well, but had some additional help with this tome.

The volume — exclusive of the advertisements that fill a series of un-numbered pages in front and back — is divided into three sections. Part I, dealing with equipment and how to shoot, was written by Clover. The second part, concerning technical notes on archery, was authored by Lieutenant Commander W.F. Paterson, a retired officer of the Royal Navy. Part III concerns bow, arrow, cross-bow and archery gadget construction and apparently was drawn from any number of authors.

Frankly, it makes pretty dry reading, but if you want to know about weight distribution of arrows, the good navy veteran can give you some interesting — if intricate — information.

For the do-it-yourself buff, the third section is a mine of information, ranging from how to construct various types of bows — including the traditional English longbow — to putting together targets for the back yard and building various types of flight bows and crossbows.

One of the chief advantages for the technically oriented text is the fact that the editor has not stinted on photos and illustrations, all of which simplifies and makes understandable some of the professional jargon. — JL. ←

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# Ther, me and The Coyote

By Jim Dougherty

Back in the good old days — in the early Fifties, when varmint calling was in its infancy — a gang of guys felt there couldn't be anything too difficult to calling coyotes.

I happened to be among that group and I swear on my autographed picture of Ann Margaret that on the first stand of my life I called up a coyote. As I recall, counting broadheads, blunts, target points and shorts, I shot fourteen arrows at him. He was not the brightest coyote of my acquaintance, but at the time, we did not know this wasn't normal coyote behavior.

Subsequent stands produced a long list of coyotes, gray fox and a bobcat or two. That first coyote had made believers out of us and good calling country was no more than fifteen minutes from home; ideal for a stand or two before school or after work.

Everything was groovy in the calling department, but not quite so in the shooting department. My shooting ability started slow a long time ago and has tapered off ever since. Doug Kittredge was my employer back in those days and every payday involved an accounting session wherein he calculated the week's supply of arrows and call reeds. I was the only kid in school shooting up twenty hours worth of arrows a week and desperately looking for a rich girl, who liked bowhunters.

Perhaps the best thing that could happen to a beginning game caller would be to blank out for a week straight and give the idea up in favor of television, girl watching or the PTA's Wednesday night bingo bash.

Hunters and fishermen, however, seem to insist on torturing themselves in the interest of fun, excitement and adventure and howhunters have to be the worst. Instant success or none, that bowhunters still is going to be out there getting with the program. I was no exception.

About the time I started hitting the varmints they quit coming in. Suddenly we found that calling coyotes and other varmints was not all that easy and that's when several

of us really got hooked on game calling. Until then it had been an exciting fad.

Calling, to me, is a lot like fishing. There are a lot of folks who know a great deal about it, but no one has all the answers. Certain areas require a distinctive call to get results, a particular hunting method, some subtle deviation from the norm that makes the difference. There is no set pattern; only guidelines based on experience that will get you started. These work some of the time, maybe most of the time, but never all of the time.

In bass fishing, for instance, I know guys who excel on certain lakes and really zonk the good fish, but move then to a new lake and it's a different story. They're hard pressed for any results, until they have put some time on that unknown water.

There are, in my opinion, five elementary steps to good calling sport: proper equipment; selection of the hunting area; selection of the stand; calling technique, and knowing when to shoot.

Most caller-hunters have the basic equipment such as camouflage clothing and their bows and arrows. Small refinements sometimes pay off, such as making sure the entire bow is camouflage to even a higher degree than you

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**Varmints Vary In Temperament From Season To Season, Stand To Stand, But These Tips May Help Your Calling Success Ratio!**

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would for hunting whitetails. Dull-colored arrows are a distinct advantage. I personally hate to shoot them; I like those bright feathers, but a coyote or red fox will pick them up awfully fast. Though color blind, the tones register quickly with them.

You always should bear in mind that the animals, with which you are dealing are extremely suspicious, in a vulnerable attitude and well aware of it. Camouflage head nets for bowhunting varmints are great. A good face paint job is fine, but the head net is easier and, when fitted with glasses frames sans glass, affords excellent visibility.

Scent is handy, not so much as a lure but as a cover up.



*Author feels that the call is most important among equipment. Here he changes reed in a Weems All-Call.*

*Murray Burnham illustrates proper use of camouflage blending with cover to draw varmints out into the open.*



You may be pink and pure, but to a coyote you smell. We have found that carrying scent in atomizers works beautifully. A shot or two in the air works much better than a few spots on the ground, where the wind has trouble making it work for you.

Bow weights are not too critical. Most varmints are lightly constructed, although tough. Penetration is no problem, but speed is important, as are good sharp heads, either big two-blades or multiples.

Portable blinds are nice, but tough in which to maneuver with a bow. Ideal for a rifle or shotgun, they're not much for a bowhunter. You are better off, getting well concealed with a good brushy background and sitting still, but ready.

You have got to go where the game is. Calls work well, but they won't cover an entire state. Like deer hunting, varmints take scouting to find the areas of concentration. It can be tougher, as the nature of the game tends to make it more secretive than deer. Only one who is fairly woodwise can tell whether there are varmints in an area, whereas many people can tell you about all the deer. Learn to identify the tracks, how to find scent posts, if you're hunting coyotes or fox. Be in coyote country at first light to take a call census, when the little wolves talk it up.

I receive many letters asking for help every year and I now believe that half of the problem is that the calling is being done where there is just no animal population to amount to anything.

A wise caller will learn as much as possible about the game he is hunting. I would suggest that every calling hopeful get a copy of "The Bobcat of North America" by Stanley P. Young and "The Clever Coyote" by the Stackpole Company and the Wildlife Management Institute. They won't tell you much about calling, but can help in understanding behavior and habitat pattern.

Besides knowing where to call, you have to call at the right times. The early and late hours are best. Late summer through fall and into early winter are the best seasons. For me, late fall is the most productive everywhere I have called, which includes about thirty states.

Where do you plop down your body to make your stand? Experience is the best teacher, but common sense helps a bit. Most bowhunting calling is done during the day. The game should be coming from the thicker cover such as river beds, heavily wooded lots or rock-filled washes. Planning on this, do not try to bring them out of such cover too far. Work in close yourself, remaining quiet and observing the wind.

Elevated positions, giving you good visibility, are ideal for a rifleman, but not such a good deal for a bowhunter. It's better to stay on the level, if possible, as it seems to bring the game a bit closer. Hunting coyotes in the desert, for instance, often is done along dry river beds, where cover is thicker. It is my habit, with a bow, to slip right into the river bed. With a rifle, I would sit back a hundred yards and, when the coyote bounced out to look, simply knock him right back into it.

The exception to the elevation problem would be a tree. They work well for calling and in the deserts of the southwest, in the heavy sage country, there has been an increasing use of step ladders. Sagebrush will run three to four feet high which not only restricts your visibility but the coyote's or cat's. I haven't given it enough of a chance to make a recommendation for bowhunting.

Several of us, back in our formative years, kept exacting notes on how we selected our stands, even sketching the set-up, and recorded results in terms of animal reaction, wind conditions, temperature, time of day and, in some cases, barometer readings. Also included was the phase of the moon. Spot checks with results were made against the lunar tables.

Periodically we had gatherings for the purpose of review-



*Winston Burnham, outstanding caller in his own right, used an electronic unit to call in coyote and bobcat.*

*Author feels that proper camouflage on person and equipment are important, if one is to experience much success.*



ing our notes. We eventually came up with patterns for certain areas and also found that a good stand location was not a one-shot deal but would produce on a fairly regular basis. We found that the selection of a nighttime stand was not nearly so critical and that coyotes in the fall would cross greater expanses of open ground than in summer. We also found out that many of our pet theories conflicted one hundred percent with those other callers of which there were becoming increasing numbers, while the lunar tables were generally a pretty good guideline for peak activity.

The one thing that I came up with out of all this exercise was that I would first try and figure where was the location of the critter I wanted to call. Most the time I would be close. I would set up my stand in such a way as to make it easy and convenient for him to get there, while remaining cool about getting too far from cover.

But about the time you really have it figured out, there will come the coyote that throws dirt on your back or the bobcat that lands on your shoulder to keep you from getting too cocky.

Personally, I have always felt that techniques are not all that important. They help, but calling predators with a wooden whistle that, at its best, sounds horrible is not all that involved. I believe that pitch makes a terrific difference. Some days you can't buy a strike with a high pitch call. The next day, under the same exact conditions, they'll eat you up.

Animals get call-wise and identify with calling patterns and tones. West coast callers do not sound too terribly different from one another. Excitement in your call is important for coyotes for the fastest results. The harder and faster the calling tempo, the quicker the animals respond. Call slow and steady and a coyote will nearly walk in, but speed it up and you could get run over.

When things get terribly slow and you know they are there, it's time to improvise. Electronic callers, tape recorders and the like have done a lot for callers in that regard. Some new sounds available on tape or record have really paid off where conventional mouth calls had been used for a decade.

It's nice to have a distinctive calling style that sounds good to you and your friends and is full of authenticity and neat little frills. One of the all-time best game callers I know, however, never has even made the first round eliminations in any calling contest. People don't like his tech-

niques but the coyotes sure do. The new sounds really do it today, where calling pressure is tough. The animal population doesn't change that much from calling pressure and don't be surprised at what will work. One caller I know is doing really well on foxes by scraping his fingernail along a piece of blackboard. Not many people can stand to hunt with him, but he gets the foxes.

Hunting coyotes with a bow, the normal tendency is to wait for a standing shot, but this is not the best chance. A standing coyote can move in too many different directions when you turn that arrow loose and he will make the move successfully at least seventy percent of the time. A loping coyote is fairly well committed to a path and should he see you, when you shoot, the normal reaction will be just to speed up and start to turn. I like the idea of seeing the general direction in which the coyote is pointing and where it will be when the arrow gets there. Foxes are not as bad and besides, they are about seven-eighths crazy and just as easily give you nine shots as one. If you are in gray fox country, you should get a lot of them. Reds are a lot tougher; even worse than coyotes, according to a lot of callers. My experience with reds is not broad enough but the ones I have called were quite like coyotes.

I do not think bobcats are smart but they are beautiful and eager. They are hard to see and that is their edge, because most of them come in, look around, then go away and they are the only one that knows it. Maybe the first cat you call up will run in, but when he sees you, he will take off like he was scalded. Maybe you can shoot at the next one until you're out of arrows.

When you see a cat move slowly, take your time and shoot a good arrow. Always remain in a tense and ready position when you are on stand. It is best not to have to call and shoot when bowhunting, as the combined movements are too restrictive to your chances of success. A gunner can call and maneuver one-handed, but bowhunters should operate in pairs and keep the shooter out in front. When you see something, ease that bow up an dlet it sit on its lower tip, while you get your fingers on the string and be ready.

I have been fortunate to hunt in a lot of wild, wonderful country for some pretty majestic animals. I've seen some fantastic sights, but it's still tough to beat looking into a pair of yellow eyes that are bearing down on you, because they thought you were something good to eat. ←

# SOUTH PACIFIC Part IV By Hal Stephens **bowhunt**

Hawaii's Native Hunters Still Use The Techniques  
Of Their Ancestors In Stalking Game!

*Author pauses for breather on cliff overlooking Hawaiian cove, where the boat was anchored during the hunt.*

At forty years old, Pablo Libero is a legend. For years he was the Hawaiian Islands' top diver. With a tank he could comb the ocean floor at 250 feet for black coral; at sixty feet he could free dive for lobster and pearl shell. But eight or nine years ago, Libero discovered the bow and arrow. Today, any time someone mentions Hawaiian hunting, Pablo's name is brought up. He's not only a top bowhunter, he's a character out of "Terry and the Pirates."

I was hunting on the southern mountain slopes of Lanai — one of the smaller and seldom visited islands in the Hawaiian group — when I first met Pablo Libero.

His hair was long, tied at the back. He wore a blue bandana, like a pirate, and a hat with a leopard band on top this. His shirt was sleeveless. He was muscular and deeply tanned. He moved so rapidly I, at first, thought he was an animal pursuing his prey through the brush.

Pablo had heard that I was hunting his island and had come to find me. I was fortunate he did. Luck seemed to be against me, but with Pablo all that soon changed.

Hawaii was an unscheduled stop for me. I planned only to pass through, when a friend said he would show me some good hunting and fishing grounds seldom touched.

The friend is Stan Rayner, the owner and skipper of a South Seas trading schooner. Stan also offered to take

my son, Peter, as cabin boy. On school vacation, he could make the Hawaiian trip with me. Besides, Peter had proved a good bowhunter in Baja.

At the Ala Wai Yacht Harbor in Honolulu we easily found the Valkyrien, the trimmest looking two-masted schooner in the harbor. It's a working schooner, with wooden rails, yardarms and a bowsprit that juts out like those found on oldtime square riggers. Rayner welcomed us aboard, assigned us bunks and announced that we would sail at 4 a.m. Lee Severs, another bowhunter, was making the trip with us.

Five minutes before the alarm went off, Peter had everyone aboard awake. In an hour we cleared the harbor and headed for open sea. We hoisted all sails, cut the engine and, on a starboard tack, sailed toward Lanai.

Dark waters turned to brilliant blue when the sun came up, and so clear was the sea that porpoise playing at the bow appeared to be floating in space.

Lanai is seventy miles from Honolulu, but with adverse currents it's a full day's sail. However, it's not dull. About ten o'clock came the call, "Fish!"

We were dragging four lines astern and had a strike on one. Peter and Rayner began hauling in. It took them only ten minutes to land a four-foot kawa, a magnificent fish that is a cross between a tuna and a skipjack; it made delicious steaks for lunch.



In late afternoon we reached the cliff-lined shores of southern Lanai and, in a small cove protected from the wind, dropped anchor. We watched it hit bottom at sixty feet.

Lanai is owned by the Hawaiian Pineapple Company. Purchased for little more than one million dollars fifty years ago, it has some 3,000 inhabitants, mostly Filipino workers. The island is sixth in size, and of the 90,000 acres, only 14,000 are under cultivation. The rest is wild, rugged volcanic mountains, teeming with goats and axis deer.

We lowered a long boat and rode the breaking surf to a sandy, desolate beach. With not a soul in sight, it made me think about all the stories one hears about Hawaii being spoiled. Hawaii can be as primitive as one wants to make it.

We had an eight-mile hike up a twisting mountain wood and through endless acres of pineapple fields to the Lanai City. Here we purchased licenses and obtained permission to hunt the island. We strung our bows, and set out. It wasn't easy.

Lanai is an extinct volcano, and with the exception of the fields in the crater, it's all volcanic rock, sharp and difficult to negotiate. By the time we reached the cliff above the Valkyrien, it was nearly dark, with no goat

within range. In total darkness we returned, taking three times as long to make our way back.

We didn't have charcoal-roasted goat on the beach that night, as we hoped, but Stan speared a sea turtle and cooked turtle steaks on an open fire. With the Valkyrien resting at anchor, a night studded with a million stars and thick steaks, there was little else we could want.

Rayner rowed us ashore before dawn the next morning and, when the sun rose above the neighboring island of Maui, we had reached the cliffs. But the goats had moved to higher ground. Through field glasses, I picked up large herds ahead of us, one with as many as forty goats. Reaching them was another problem. Some of the ridges, cut with deep valleys, took hours to cross, and the goats always could see us coming. By the end of the day, we had learned some of the animals' habits and planned a new approach.

Before dawn the next morning, the skipper called all hands to. During the night winds had picked up and we were slipping anchor. We would have to move to another cover. The next port was at Lahaina on Maui, nine miles away.

Lahaina is one of the finest ports in the South Pacific. It's much like it was when the town was whaling



*Left: There was some comely help in loading gear aboard vessel in Hawaii before departure for isle of Lanai.*

*Stephens looks over rugged terrain of island, attempting to determine the route the trophy goat will take.*



*Lee Severs, first mate on vessel and a bowhunter, checks his equipment, as he prepares to go ashore to hunt.*



*Stephens (center) and a pair of the islands' bowhunters admire the goats taken after a most difficult stalk.*



*Peter Stephens watches, while Pablo Libero checks out a herd of goats; the islander is a noted bowhunter.*

capital of the South Seas. As many as eighty whaling ships once anchored offshore, and relics from the ships still rest on the ocean floor. We spent several afternoons diving in sixty feet of water for coral-crusted bottles the seamen tossed overboard. Stan and some of his Maui friends dove in deeper waters at 200 feet and brought up valuable black coral.

We spent the next week cruising around the islands, but for both Peter and me our disappointment was game we didn't get at Lanai. We made up our minds not to give up, and when the Valkyrien returned to Honolulu, we caught a small plane back to Lanai.

We were equipped now with both sleeping bags and packs and could spend our time in the hills until we got game. We would try for goat first, and if successful, would go for the more difficult axis deer.

At the Lanai airport we were fortunate to meet Albert Morita, the game warden's son, who had a jeep and carried us back to the southern end of the island. It was

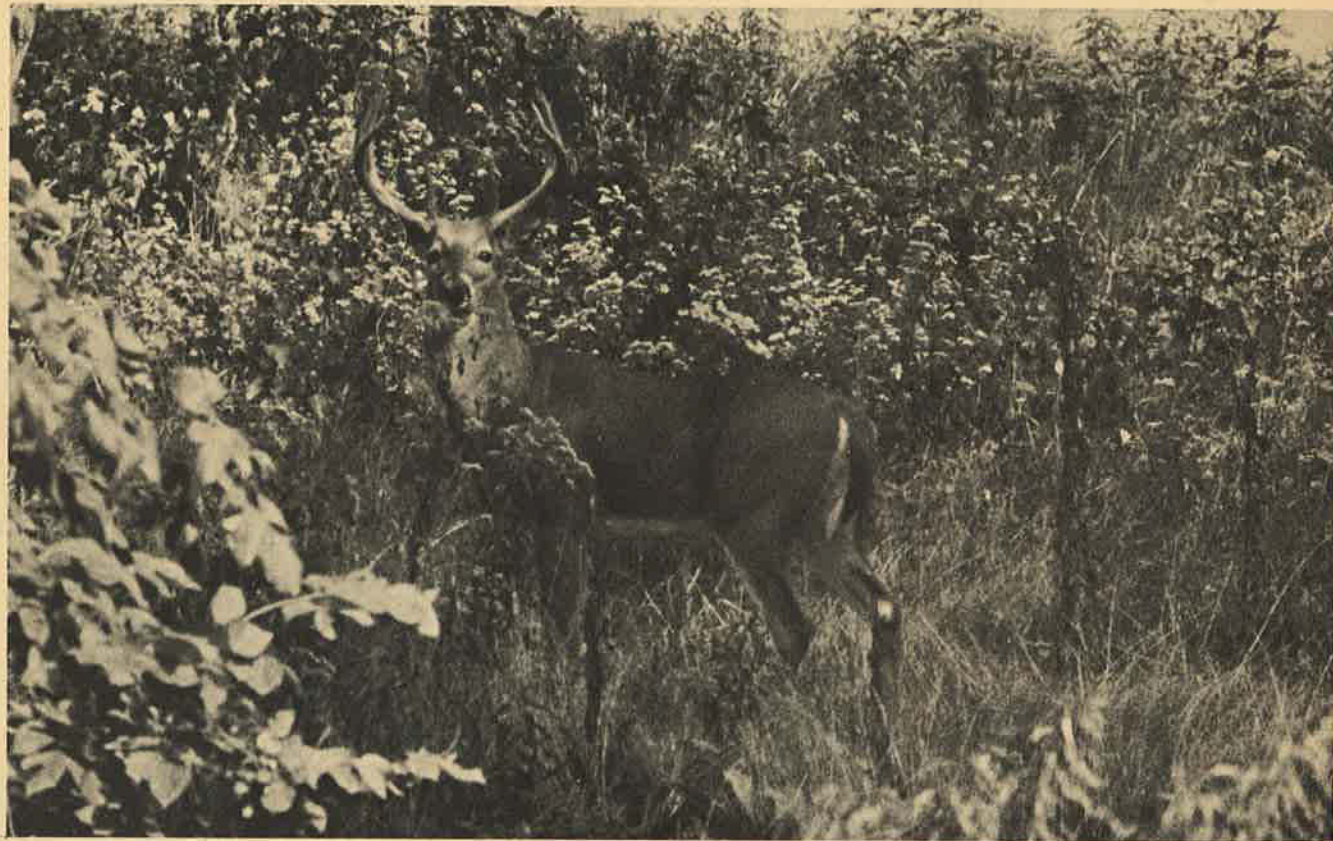
he who passed the word to Pablo Libero that I was hunting on the island.

At Manele Bay in the south we met two hunters who that afternoon shot three goats. Things were looking up. We camped on the beach and for the next three nights camped in the hills, far from the sound of the sea and civilization.

But the gods of the volcano were against us. For two days fierce winds blew with the force of the hurricane. On the ridges, I missed some easy forty-yard shots when the wind whipped my arrow sideways.

On the third day, we awoke to find the winds had quieted. During the night, goats head down into the valleys where it is warm. In the morning they return to the cooler hills. Peter and I were fifty yards apart, watching a herd of six goats with three prized billies come up the ridge. We waited patiently, until they stopped one hundred yards from us. From where I was,

*Continued on page 52*



# Bow Boom in Wyoming

Lots Of Land, Lots Of  
Game – And Few Bowhunters

By Charlie Farmer

**I**t was 3:30 in the afternoon and already the sun was beginning to set over Wyoming's rugged Black Hills. The wind was picking up, and the cold air seemed colder. Patches of fast-traveling, gray clouds interrupted the fading blue sky above.

I had been sitting in my natural brush blind for nearly an hour, concentrating on keeping perfectly still and trying my best to blend in with the surrounding vegetation. I realized that any sudden movement of my head or arms would give Mr. Whitetail all the danger signals he needed. When it was necessary to shift my weight or adjust a piece of clothing, it was done in a slower-than-slow motion manner.

My stand bordered a hay meadow that was about a mile square and surrounded on three sides by a thick stand of oak and brush. I was at the bottom of a grass clearing that wandered up one side of a mountain. There was plenty of fresh deer sign nearby and it appeared to be an ideal pas-sageway for deer headed into that hay meadow to feed.

A barbed wire fence bordered the meadow and was set in about ten feet from the edge of the timber.

I sat in one position until the cold and numbness finally got the better of me. Deciding to stand out the rest of my waiting game, I raised up slowly to my feet to face the clearing.

Just then, in the fading light of late afternoon, two creatures appeared, gently picking their way through the clearing. After my long vigil in the bitter cold, they loomed before me like a mirage.

First came a not so cautious doe, followed by a rather nervous four-point buck about fifteen feet behind. I realized that the thick layer of brush that prevented those two deer from seeing me also made it impossible for me to get a

shot at them. My only chance would come if they decided to jump the fence.

For the man hunting with a rifle, the error could have been rectified easily. Just shove the barrel through the brush and a relatively easy sixty-yard shot would down the approaching buck.

The bowhunter not only must be camouflaged well enough to let game get within effective killing range, he also must have enough freedom to be able to draw and shoot. Enough clearing for the arrow to have an unobstructed path to the target is necessary. Most bullets will smash through brush with little deflection, but an arrow will change direction upon the slightest contact with an object in its path.

The buck finally stopped within forty yards of me. The doe ambled down to the fence line to check the approach to the meadow. Shaking from the cold and the anxiety, I watched every move the deer made from my frozen stance behind the wall of twigs.

Not only was it impossible for me to get a shot, but I found myself so hemmed in with vegetation I couldn't even get into shooting position!

Directly along the fence line, the doe was within ten feet of me, nose to the ground, sniffing along under the bottom strand of wire. I wondered how long it would be before she caught my scent. Call it bowhunter's pride, but I was happy that an ever-so-cautious whitetail was within whispering distance of me, even if I was denied a shot.

My success that day was not measured by a downed animal. Within moments, my friendly doe caught human scent and was off with a snorting scream and flagging white tail.

Similar experiences occurred throughout the remainder



of my four-day hunt. I did not release a single arrow, because I was either out of range or out of position, but I came out of the Black Hills respecting the whitetail deer. I had been able to watch him at ranges other hunters usually do not experience.

I was forced to pay more attention to tracking and scent to make sure I was on or near a trail that deer were using. The bowhunter is destined to become a better hunter, because he is limited in range, and he can't make any mistakes if he wants to be successful.

Wyoming is not known as a popular bowhunting state. Not because there isn't a sufficient population and variety of game animals for the bowmen to hunt; there is. The truth of the matter is that the bowhunting potential of the state has barely been tapped.

Unfortunately, the old tradition that a hunter needs a high-powered rifle to cover Wyoming's wide open spaces still prevails. The state does have plenty of wide open spaces, but much of this area is covered with timber or brush – sufficient cover for a stalk or a camouflaged bowhunter at a stand.

In 1965, the Wyoming Game and Fish Commission issued 475 free archery permits. In 1966 they issued 470 permits, and in 1967, 585 permits went to bowhunters. This is a small number, considering how many residents and nonresidents hunt in the state with a rifle.

To clarify the statement that Wyoming is not a popular bowhunting state, a comparison must be made with other major big game hunting states. In 1966, there were 92,792 licensed archers in Pennsylvania. They took a total of 2,337 deer.

The count of big game kill report cards returned to the



*Playing a waiting game for Wyoming mule deer, Farmer had bucks come within 10 feet of his natural blind.*

*Stalk on antelope is tricky business. Slow movement is necessary, taking advantage of all cover on prairies.*



*While a bullet may penetrate brush, bowhunter must make sure he has clear shot. This arrow was aimed at buck.*



Pennsylvania Game Commission for the 1967-68 license year showed that 3,251 bowhunters were successful in bagging deer during the bowhunting seasons. This total is an all-time record for Keystone State archers. For the sake of comparison, 750,000 rifle and shotgun hunters harvested 118,753 deer in Pennsylvania.

Colorado bowhunters bought 7,827 archery deer licenses in 1966. They harvest a total of 1,124 deer for a success ratio of fourteen percent. In the same year 144,905 rifle hunters killed 78,854 deer for a forty-seven percent success ratio.

The special archery season in Colorado for deer and elk opens the third Saturday in August each year and usually goes through three weeks and four weekends. An archery deer license or an archery elk license is needed for the appropriate game. In addition, bowhunters can hunt deer and elk during the regular seasons but must purchase a regular deer or elk license.

Report card figures from the state of Arizona show that 3,387 archery deer tags were sold. Bowhunters took 150 deer for a success ratio of 4.5 percent. Firearms hunters totaled 89,228 and they took 17,344 deer for a 19.4 success ratio. The 1966 statewide bow season extended from September 9 to September 24 and from December 1 to

December 31 in the southern part of the state. Bob Hirsch, information officer for the Arizona Game and Fish Department, says that bowhunting in the state should continue to gain favor as more and more sportsmen put emphasis on enjoyable hours in the field rather than game downed.

Moving back east again, Ohio's supervisor of game management, Donald W. Thompson, reports that an estimated 4,000 bowhunters harvested forty-nine deer in 1966. Gun hunters harvested 1,024 deer. Ohio's archery season extends from October 16 through November 25 and December 2 through December 30.

Miss Carol A. Buckmann, special projects coordinator for the Bureau of Information of Minnesota's Department of Conservation, says that 17,480 bowhunters harvested 604 deer in 1966 for a success ratio of 3.5 percent.

Rifle and shotgun hunters numbered 291,000 and took 116,000 deer in 1966 for a success ratio of 40.4 percent. There are three bow and arrow seasons set up in October, November and December in Minnesota.

But what about Wyoming? What does its bowhunting future look like? James B. White, State Game and Fish Department director, says that one of their primary goals is the promotion of hunting as a sport, and he believes there is plenty of sport in bowhunting.



*Camouflage clothing, as well as camo bow cover, aid author to blend into surroundings, but he must be still.*

From an economical standpoint White points out that bowhunters usually spend more time in pursuit of game; consequently, nonresident bowhunters will spend more time in the state, thus helping its economy. "Wyoming's potential as a bowhunting state is tremendous," says White.

Rex Corsi, assistant state game warden, states that bowhunting presents an added hunting opportunity and can be used as a game management tool in areas where rifle shooting is prohibited or limited.

The Wyoming Game and Fish Department, in order to get some indication of the interest in bowhunting devised a "Bow Hunter's Questionnaire" which was sent to all those persons who had obtained an archery permit the previous year. It was also sent to various archery clubs and sportsman's groups throughout the state. There were seven questions on the survey dealing with hunter preference in pre-season or post-season bowhunts, game animals to be hunted with a bow, and separate licenses and fees for the bowhunter.

Response to the questionnaire has been good with most bowhunters indicating they would like a pre-season bowhunt on all big game species along with a separate license and fee for this privilege. Bowhunter interest and action will no doubt be the deciding factor in whether Wyoming's potential as a bowhunting state can be reached.

Many things that are not known or understood are feared and the hunter not familiar with the capabilities of the bow and arrow usually has some doubts about the weapon's accuracy and killing power. Taking for granted the range limitation of a bow and arrow, its accuracy can be compared with a rifle. Both rifle and bow are accurate when in the hands of a skillful shooter.

The killing power of a bow is often demonstrated by shooting a high powered bullet and then an arrow from a big game hunting bow into a bucket of sand. The bullet stays buried in the sand but the arrow goes right through the bucket.

The real test, however, is out in the field. With shooting ranges under eighty yards, the hunting from forty pounds or higher with a modern, razor-sharp broadhead is deadly efficient. A well-placed arrow at fairly close range can drop a deer in its tracks as well as a bullet. An arrow off target may mean following a blood trail, and this blood trail is usually easier to follow than one made by a bullet.

Most bowhunters have to be above average trackers in order to get close enough to game. They also realize that unless the shot is extremely close the arrow does not have the knock-down power of a bullet and most archers automatically assume they will be following a blood trail rather than finding an instant kill. Many rifle hunters assume if the animal doesn't fall when the shot was fired, it was a miss.

Both the bow and arrow and the rifle are humane weapons when in the right hands.

Why does a man turn bowhunter after many years of hunting with a rifle? Could it be that the sport and challenge of hunting with a rifle has disappeared, and that he no longer desires the easy kills, but wishes to spend more hours in the field? Some of the best hunts I've been on often produce little or nothing in the game bag. Only an abundance of pleasurable memories from a long day outdoors. There is a feeling of accomplishment when you hunt long and hard. Bowhunting usually brings out the best in a man's hunting capability.

The safety aspect of bowhunting cannot be overlooked. Accidental shootings are rare due to the range limitation. There is less tendency for a bowhunter to be a "sound" or "brush shooter," since shooting into the brush would produce nothing but a deflected arrow. He usually doesn't shoot at sounds, since the arrow must be well placed to insure a clean kill. Since there is no cocking or trigger mechanism on hunting bows and the chances of a self-inflicted wound caused by a fall or climbing a fence are slim.

The case for the bow and arrow in Wyoming is a good one. Its future as a game management tool cannot be taken lightly. We are fortunate in Wyoming to have an ample supply of game animals, a lot of land to hunt them on and — compared to other states — relatively few hunters. ←





# WOOD, LEATHER

# &

How To Pursue The Wily Bowlock  
by C. R. Learn

# WOW!

**Y**ou may have heard about it; you may have seen it, and maybe you wanted to try it, but couldn't find one in your area. The bowlock is a controversial release. Just what it is depends on to whom you listen. Some archers pick one up that someone else has made, make a few shots, and put it down mumbling that it shouldn't be allowed. One archer ranted and raved about how bad it was, but there were two hanging on his pegboard.

If you haven't tried a bowlock because you couldn't find one, they are easy to make. The tools needed can be complicated or simple. The ideal set would be a band saw, belt sander and a set of three wood rasps. If you don't have that equipment, you can make one with a hacksaw or coping saw, some sandpaper and at least two wood rasps — one side half-round, the other side flat, plus one rat tail file.

The type of bowlock you make is a personal choice. Look at several bowlock shooters and you will see as many varieties. Some like them rather small; others want to fill the hand. Some use a single release point and others a double hook. The size and style is up to you. You may make several different types before you find the one that you prefer.

The wood that makes the best bowlock is lignum vitae. This is an extremely hard, dense wood and is not sold by the foot put by the pound. It has a natural oil content and will never get that fuzzy feeling in your hand some woods do when they absorb moisture.

Lignum vitae isn't always available, so you might substi-

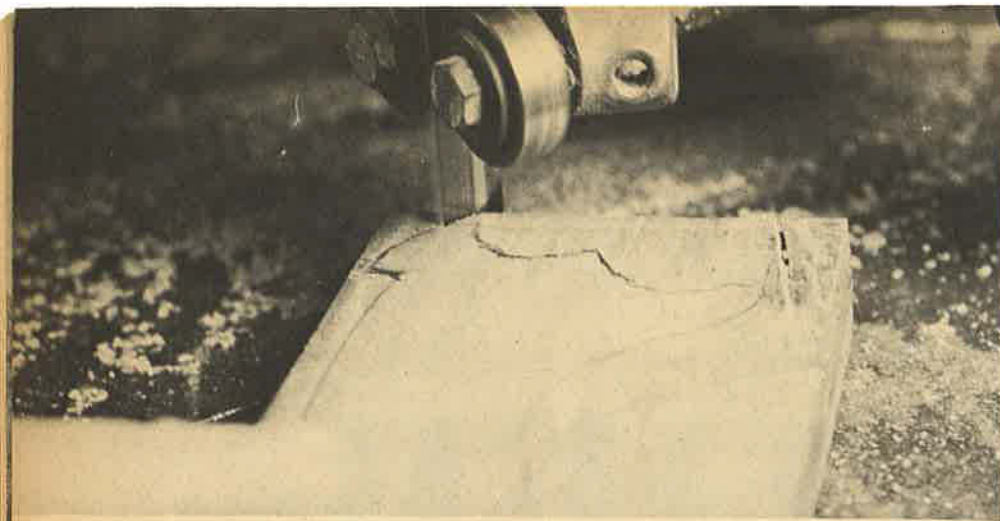
tute any good hardwood of fine grain such as hickory, maple, cherry or mesquite. They don't have the natural oil and could get a bit rough, but you can finish them with an epoxy finish that never will wear off and will keep the fine grain of the wood from rising.

Frank Eicholtz made some of the first bowlocks and manufactured out of injection molded plastic a combination bowlock that will fit either right or left-handed archers. Since the bowlock is a personal item and there are so many variations, Eicholtz agreed to show how to make them of wood. Making them yourself for personal shooting wouldn't be a patent infringement, but if you plan to make any to sell, best you contact Eicholtz first.

We will make the bowlock from a piece of lignum vitae. An excellent bowlock material — hard to come by — is laminated, epoxy-impregnated, compressed insulation material used in high voltage line transformers. You can substitute and try different materials. One archer made many locks from plastic with great success by carving plastic blocks.

You will notice in one of the illustrations a series of bowlock outlined on a reduced scale. The squares in the original graph are one inch. If you have nothing to go by and want a starting point, take a piece of paper and plot the shape, using the illustration as a guide.

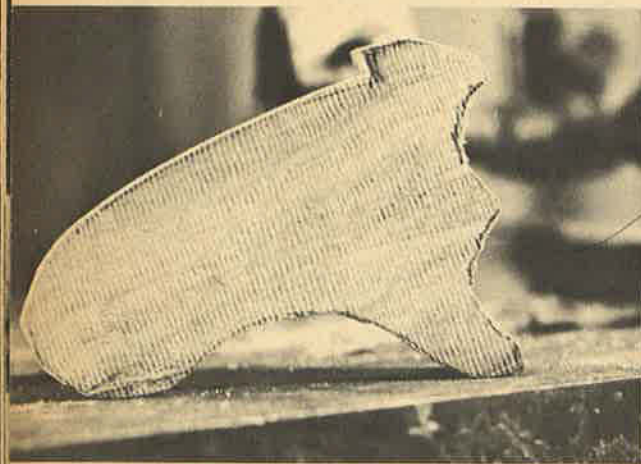
Trace or draw a free hand outline of the style on selected wood. The grain of the wood should run length-wise. If you use it cross-grain, the hook will be weaker and possibly



*The basic form of the bowlock is cut with a bandsaw or other flexible type of blade, following traced outline.*



*Using half-round side of wood file, smooth out the finger grooves, as you shape them to fit your own hand.*



*The roughed out bowlock should look something like this, depending upon size and style on which one decides.*



*After basic form of hook has been cut out, use a rat tail file to cut arrow nock groove along the side. Use a forward and downward motion of file.*

*Four different types of bowlocks show different depths of finger grooves, as well as their comparative sizes.*



can be pulled off. Make the outline with pencil or marking pen so you can follow it on the bandsaw. You might be able to use a saber saw if you can handle one well.

The most important part of the bowlock is the hook. If you goof any place else, you might be able to patch it and go on, but not on the hook. Take your time, and there is no problem.

With the outline cut out, you can place the lock in a vise and start filing. The grooves for the first and second fingers are formed and smoothed with the half-round side of the rasp. If you have a variety of rasps, start with a medium and finish with a fine to get the best results. As you file the finger grooves, you should pick up the bowlock from time to time and check it for fit. When it feels almost right, you can stop filing. You will have some finish sanding, so allow for that in your fitting and filing session.

The hook of the bowlock is filed with a rounded back section for the string to fit around. This is finished to a smooth surface to prevent ripping the serving. As you file the rounded section of the hook, you will undercut the back of the hook as a string retainer. Too deep, you can't release the string; too shallow, you can't control the release and will have what is termed a suicide clutch.

Start with the hook deep and test shoot it to determine just how much you should reduce the height of the hook. You always can cut it down gradually to obtain the release you desire.

We are describing a right-handed bowlock. If you are left-handed, you can make one by reversing the procedure on the side to be filed and smoothed. The size and shape will be the same for either a right or left-handed archer; the only difference is the working side.

As you hold the bowlock in your right-hand, you will note the finger section fits now, and the hook is smoothed and slightly undercut at the back. Take a round rat tail file and cut a groove along the top and beside the hook next to the main section. As you make this cut, use a forward and downward angle.

This groove is for the nock of the arrow to rest in or clear, depending on how you use the lock. The downward angle is to prevent the arrow from riding up, as you draw back. If you don't have any angle or enough angle on the downward edge of the hook, the arrow will lift up from the arrow rest and sit in the sight window. You can't bring it down, and you will have erratic arrows. To remedy this, cut a bit further and round off the front section of the hook.

This gives you the finger grooves, and the hook is in a finished stage, but you have final sanding. The bottom of the lock is rounded and concaved to give the third and fourth fingers a smooth area to wrap around. This removes the sharp edge from the saw cut and smooths the edge to fit your hand. The top of the lock, where it fits against the palm, is left with a right angle on it. This is to give the lock a register point in the palm of the hand. If you round it off, you will find the bowlock hard to control. Keep it flat and you retain control, as the bowlock principle will show.

When the filing and grooves are right for your hand and you think you are almost finished, stop filing and use fine sandpaper to sand the entire bowlock, except the top inside that fits the palm. If you want to test the bowlock to see how it will shoot, you can do this as you progress in your filing. When the fit, the smoothness and the bowlock work for you with the bow, you have only one more item to finish the project.

Drill a small hole in the back of the bowlock and run a leather thong through it. This has nothing to do with the shooting of a bowlock but makes a handy carrying strap. You can let go of the lock and let it dangle around your wrist as you pull or retrieve shafts and still have it handy

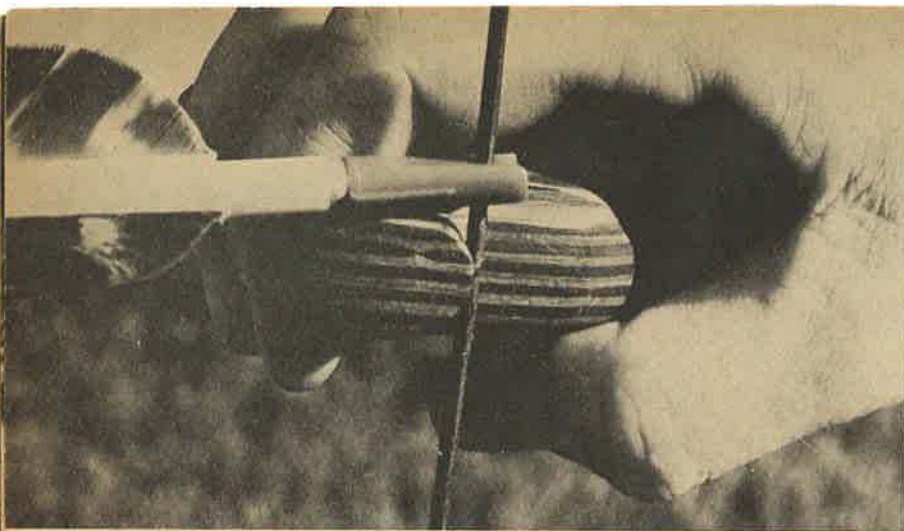
for the next shot. When you insert the strap or thong, make it long, so it won't have any tension on the hand or wrist as you shoot.

When you have finished making your bowlock, you will have a single hook style. Some archers find they like the double hook better. The hook is left wide at the top and a groove cut into the middle is wide enough to accept the nock. In back of this groove the hooks, one on each side, will be made to hold the bowstring.

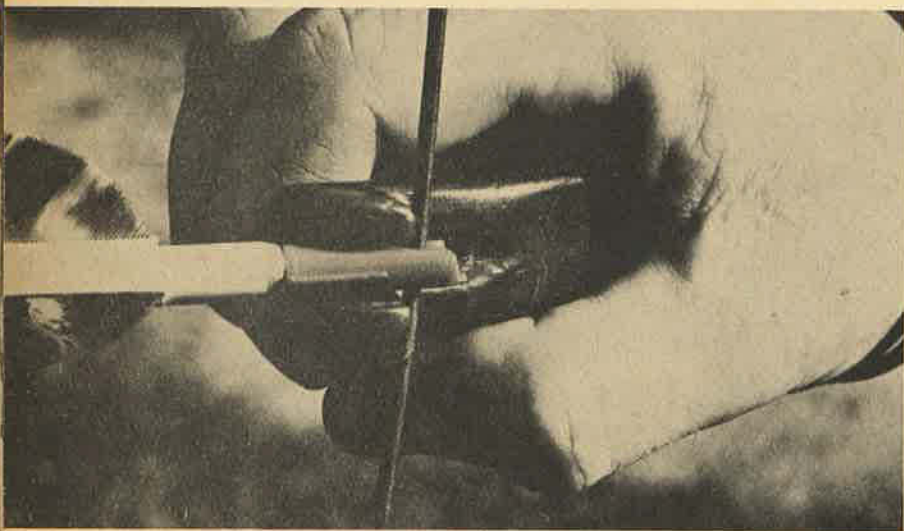
One problem with the double hook lock is the nocking point. Unless you modify the lock to go around the nocking point, you will limit your nocking point, since the hook will be in the way. One other argument against the double hook style is that you have a two-point release. The upper and lower hooks must release at the same time, or you get erratic arrow flight. Some who use the double hook like them and won't shoot the single hook.

Now that the lock is finished you may wonder how this block of hardwood you have cut, filed, and sanded is going to help you in getting your game or improving your target work or both. Nothing can really help put you in the champion's corner except determination and practice.

The advantages of the bowlock are several. For the hunt-

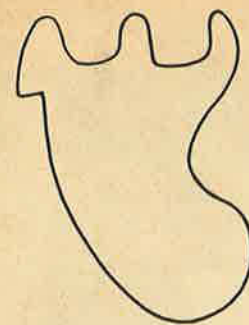


For shooting with single hook model, thumb is place half on lock, half on nock, but has been moved aside in photo to better illustrate the hook.

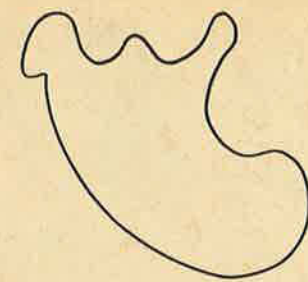


Using the double hook style, nock is in center. Nocking point is a problem.

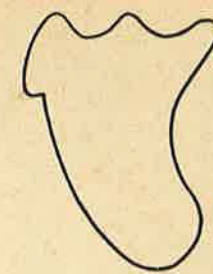
Frank Eicholtz demonstrates proper way to hold the bowlock for a shot. First two fingers are on bowlock, first joints in middle of the grooves.



AUTHOR'S STYLE



FARMER'S DOUBLE HOOK



EICHOLTZ'S STYLE

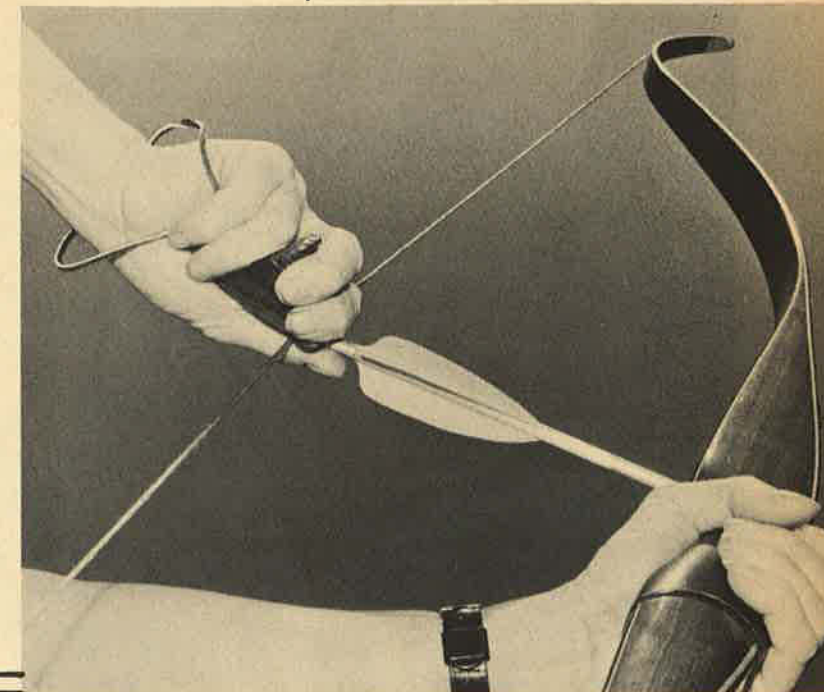


COMMERCIAL PLASTIC

Frank Eicholtz, shooting his heavy hunting bow, illustrates high anchor, which he has found effective style.



As shooter begins draw with bowlock, note position of fingers. His thumb is half on hook, half on the nock.



er, it can save cold fingers. I hunted last year at twenty degrees. I shot my hunting bow, using the bowlock, while wearing warm ski gloves. There is no more bulkiness than if shooting without gloves, as the fingers are on the bowlock, not on the string.

There is a one-point release, so you have less string hang-up, and you actually gain a few feet per second in speed using the bowlock. It is a cleaner release than the finger system. The release is constant after you use it for a time and this helps in keeping the score and game bag climbing.

Perhaps one of the biggest advantages of the bowlock is that you can shoot all day and not have any sore fingers. Some archers who like the bowlock may have one with a shallow hook for the light target bows, a deeper hook for their medium weight hunter, and one with an even deeper hook for the heavy hunting bow. Others make one depth on the hook and shoot all their bows with this by proper technique. You can get too deep a hook and have trouble releasing the string, and you can get too shallow a hook and get a mouth full of wood.

The bowlock rotates in your hand with the back of the

bowlock moving in the palm of your hand to the inside or left for the right-handed archer. When it rotates far enough, due to the relaxing of the forearm muscle, the string is released, and the arrow is on its way.

If you should slip on the release and let the arrow go before you are ready, you will notice how smooth and fast that arrow is. You have just made a near perfect release. You gained several feet per second, but your accuracy may not be the best. As with any other release device, you must practice and stay with it to get it to function properly.

If you prefer the under-the-chin anchor, you can use it with the bowlock with no problem. If you prefer the high anchor, it is equally easy. You may have to determine new anchor points as the hand is in a different position now. The three-finger style twists the hand to the outside in an unnatural position. The bowlock is held in the hand in a straight line with the forearm, and you may notice less tension in your arm after shooting a number of arrows. This gives you a different anchor.

With three fingers, most high anchor archers use the corner of the mouth with the first finger. With the bowlock and the high anchor, merely use the thumb in the corner of

the mouth and you will arrive at the same system.

You will run across archers who have tried the bowlock with a heavy hunter bow and had the lock slip or pivot in their hands before they came to draw. The hand then slips from the string and the usual reaction is to slam the bowlock into the teeth. These people and some others who have found they can't shoot the bowlock for some reason are very strong in their dislike of the item. Used properly, it will last for many years with no changes.

If your arrow rides up as you draw it back on the bow, you probably didn't cut the forward section of the hook with enough angle to prevent the bowlock from pushing the shaft up as it comes back. File the angle down more. If you round the upper inside section of the lock where it fits against the palm, you may have trouble controlling the release. File or sand this to where you regain control.

My first bowlock was made from eucalyptus wood. It has a natural oil content and worked well for about two years. Then a few age and weather cracks started appearing, and at that time I moved to a sixty-five pound bow. The combination of the shallow hook, cracks, and the heavy

bow didn't appeal to me. I made another lock from resin-impregnated, compressed laminated wood. This will never crack or come apart.

I made this bowlock much bigger than the first to fill my hand more. I made deeper finger grooves for the first and second fingers, made the hook higher for the heavy bow and moved the hook farther out from my first finger to prevent the string rubbing on it. Then I concaved the underside, so the third and fourth fingers curl around and feel snug. This bowlock is rather large, and quite often other archers say if I miss with the arrow I can throw the bowlock and knock my game down. But the lock fits my hand the way I want it to; I can and have worn gloves in cold weather for hunting; I can shoot my fifty-pound-plus hunter all day and come in without sore fingers after over a hundred shots. I'd like to see a tab or glove shooter do that.

They may laugh when I stand up to shoot, but one arrow is worth a thousand words.

Make one and find out the fun and relaxation that go along with bowlock shooting. If you wonder about target work, it is great and is approved by the NFAA and the NAA. ←



Not too long ago, Dickie Roberts was pushing big trucking rigs over the road for a living, and each night as he drove he thought about the sport he spent his off-hours enjoying to the fullest.

Roberts had become known as one of the finest archers in the country, yet there still was something miss-

# DICKIE'S

## Fireball

**Dick Roberts Felt His Tournament Bow Should Follow His Own Thoughts. Now It's Available To Others! By Joe Higgins**

ing. He knew he was capable of shooting good scores both on the field course and indoors, but felt he could do much better if only he could perfect a better shooting bow; one that would consistently perform the way he wanted. He knew this bow would have to be stable, fast and, above all, built of the finest materials available. The handle section had to fit perfectly. This, he felt to be the most essential component of the bow, since the right feel in the hand is what experienced archers seek, when buying a bow.

Night after night, as he drove from Michigan across the country, Roberts thought about just how he wanted this bow to be. At truck stops along the highways, while other road jockeys were making a big play for the waitresses or engaging in a bull session about their trucks, he was sketching bow designs on paper napkins and on the backs of menus.

Finally, he felt he had a satisfactory sketch, but what he longed for was to see the finished product. In his workshop at home in Three Rivers, Michigan, he set to work with the finest materials available, and from his well-designed plans he constructed "Dickie's Fireball."

While covering the 1967 Ben Pearson Open in Detroit, I spoke with Roberts concerning the rumor I'd heard about his new product. His answer was, "You

Roberts bow was equipped with sight by Reynolds, but Higgins attached a klicker and bubble level on his own.



Designer of the bow had added weight to top of handle riser, visible here. This was strictly experimental step.



won't believe it, but this bow will be fantastic. I'll buy you the best drink in town, if you can show me a bow that will shoot better for you than this one will. I'll have it ready to go soon, and when I do, I'll see that you get one for a BOW & ARROW test. I'm sure you'll be in for a big surprise."

I didn't see Dickie Roberts again until the 1968 archery festival in Corry, Pennsylvania, where he was unpacking one of the finest looking bows I've ever seen. He stepped up to the practice mats and let fly his first arrow, which dead-centered in the five ring at twenty yards.

After watching a continuous performance of this for six or seven targets and the tight groups being shot, I already was convinced.

It was two weeks to the day, when the mailman rang my bell to present me with the package from Three Rivers, Michigan; a forty-pound '68 model of Dickie's Fireball.

Packed along with the bow were two stabilizers, one plastic, the other metal. Attached to the far side of the bow was a special plastic sight mount with a new Reynolds sight attached. I'm sure other sights also could be mounted on this bracket, but the Reynolds seems to work perfectly. Roberts had enclosed a note saying that he had installed a special weight on the top near side of the handle-riser. His note explained that he was experimenting with this added weight and asked me to do the same.

After installing a klicker and a bubble level on the near side of the handle-riser, I set out for the Brunswick Sportsman's Club, located in Brunswick, New York. The

This is plastic stabilizer with which bow was equipped. Higgins was given choice of this and a metal rod type.



Brunswick club has an excellent twenty-eight-target field course, as well as other facilities for a membership which numbers over two hundred.

I decided to experiment with several different types of shafts, since Roberts had said that a variance of arrows would work especially well with his adjustable arrow rest. Starting off, I used 1716 XX-75s cut to my draw length of 26-1/2 inches.

Target number one is a slightly uphill twenty-five-yarder which presents a challenge to any archer. Since I was without sight calibrations, I decided to estimate the correct marking and set the sight accordingly. I shoot with a straight pin sight, which I happen to prefer over others that I've tried, because I like to see the pin come into the spot before releasing. I measured the fist-mele and found that 8-1/4 inches was normal for the string that came with the bow.

Nocking an arrow, I carefully drew, aimed and released the arrow so that it was just cutting into the five ring. After making the minor adjustment to the sight, my next arrow landed just under the spot. The following two arrows were also well into the five ring but just to the left of the spot. I retrieved my arrows and went on to the next target, a twenty-yarder. With a slight sight adjustment I had another perfect twenty.

The bow shot extremely fast and was perfectly stable. The handle felt as though it had been tailor made for me alone, although I knew it was a standard stock model. My shooting style is somewhat straight-wristed, and I always can tell whether a bow will shoot well by the way it feels to me. No doubt this is purely psychological on my part, but nevertheless it works.

On longer yardage shots, I couldn't help noticing how the bow reacted as each arrow left the string. There was no visible letdown at all and each shaft was flying straight, true and especially fast. The limbs tillered perfectly. While at the sixty-yard target, I decided to try a few of the 1816 and 1813 shafts which I had in my quiver, since they were the same length as the 1716s.

The first 1816 flew well to the target, but dropped about two inches low to the right of the spot. For spotting purposes during a test, I always carry a small pair of binoculars. With a slight change in the sight pin, the next arrow caught the five ring just at six o'clock, and after a few more 1816s, I was pleased with the results.

Then came the 1813s, also XX75s. The first shaft flew beautifully and looked good to me all the way. When I checked it with the glasses I saw that it had landed in the three ring, just at 12 o'clock. Alignment was good, but the arrow was just a little too light. After another sight adjustment I had no trouble in keeping the 13s in a fairly tight group.

Out of the three weights I tried, I felt that the 1716s gave me the results I expected and seemed to group much tighter on targets from 15 to 45 yards. I'll have to admit that on anything over forty-five yards I was either in the five or three, and I generally racked up a 16 on targets over fifty yards.

About halfway around the course, I decided to see what effect a concentrated amount of solar heat would have upon the shooting qualities of the bow. I purposely left it in the sun for about thirty minutes, while I grabbed a cigarette and relaxed. Starting again, I came up to a thirty-five fan on the back fourteen and let fly my first shaft, which landed right alongside the spot. The remaining three found their way just to the left of the spot, all grouping nicely, proving that heat created no noticeable reaction in the bow.

The finish is applied expertly with a great amount of care. The curly maple handle section showed the most beautiful grain you could expect to see.

I did remove the weight from the top handle section several times during the test, thus reducing the mass weight of the bow. I found little resultant difference in the shooting qualities, but out of personal preference, I've decided to keep the added weight on the bow.

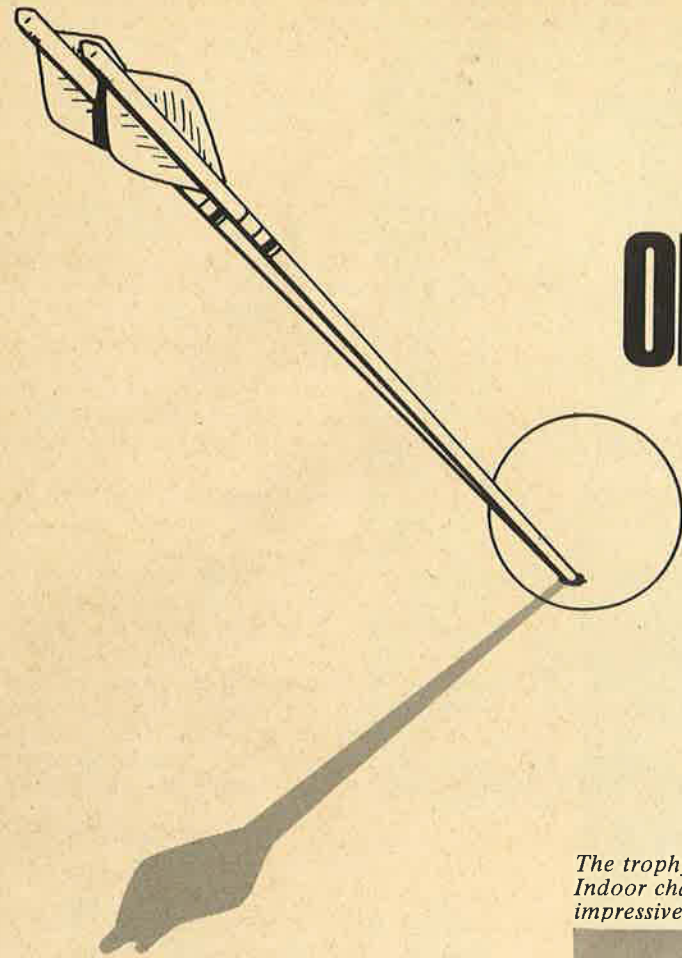
This past winter I gave the bow a chance to show off what it could do indoors and brought it along to the New York State Indoor Championship in Utica, New York. The Freeman Round is shot at this event and I carded a 290, which I consider quite respectable for the amount of shooting I do on this round.

Several readers of our magazine have suggested that bow tests be made under different weather conditions. I personally feel that a tournament bow should be tested under all sorts of possible tournament conditions, and a hunting bow should be tested under all possible conditions afield. I have shot in national competition in Jackson, Mississippi and Point Pleasant, West Virginia, where it got hotter than I could stand it, being a northern New York boy, and all that.

However, I never have noticed a major difference in the shooting qualities of my bow at any time. A point to make here is that I'm always careful never to overwax my bowstrings, a reason for some bow letdowns, I believe.

I've shot many bows in my ten years of archery, and can honestly say that Dickie Roberts' Fireball rates among the best.

A late report, just in, is that Roberts is making a special model for the ladies in light draw weights. Price listings start at \$195, and I'm confident that you won't be disappointed in Dickie Roberts' Fireball Express. <img alt="arrowhead icon" data-bbox="905 940 919 956"/>



# PROFILE OF A CHAMP: RICK GILLEY

**A Barebow Fanatic, He Had  
Used A Sight For Only  
A Month, When He  
Took The Nation's Top  
Money Shoot!**

*The trophy won at the International Indoor championships was almost as impressive as money for loot shoot.*

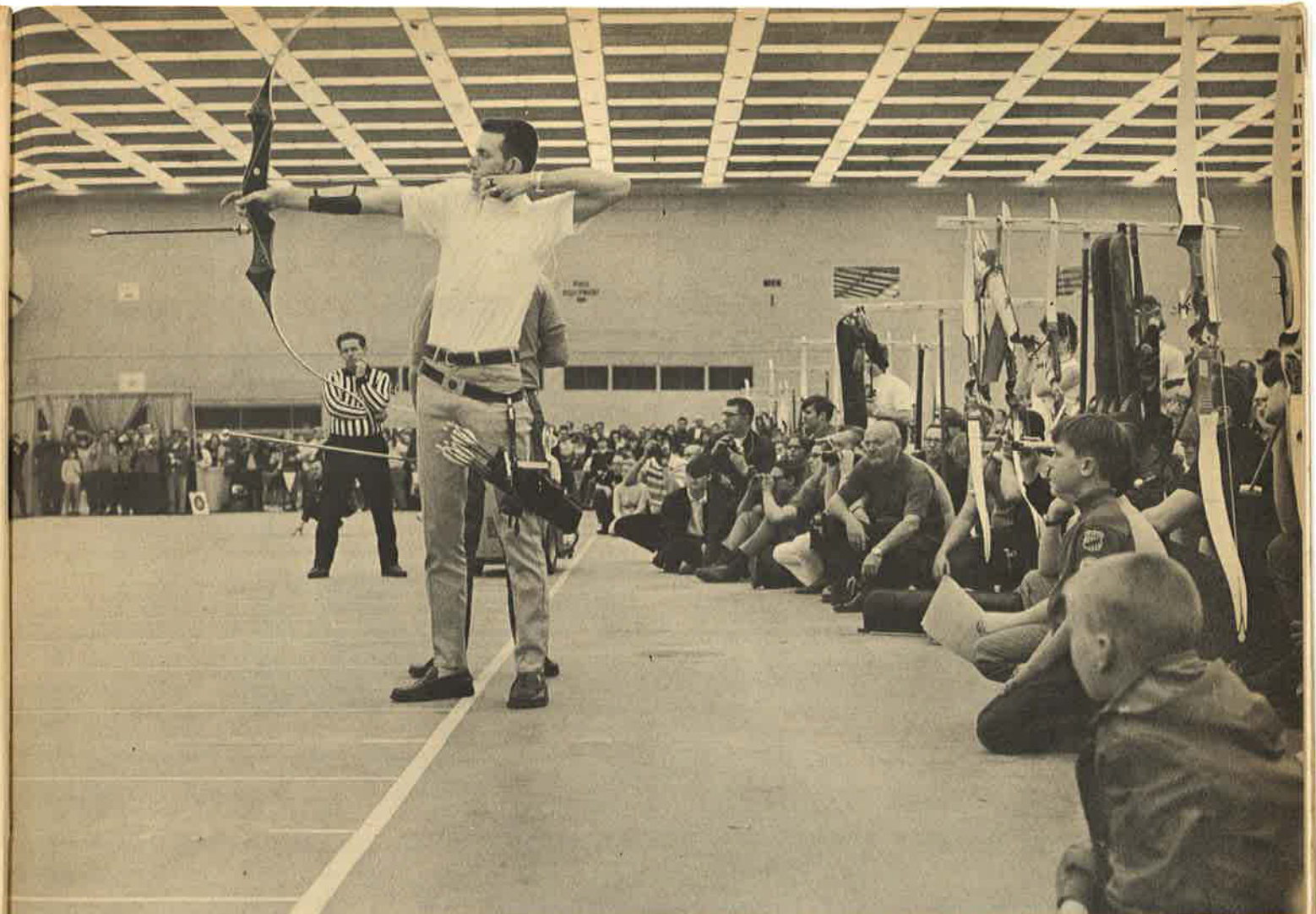
The All-American Boy is still in style. A prime example is twenty-year-old Richard Gilley, a farm boy who hails from Temple, Texas, and who at the moment is committed to three things: serving his country, getting an education and making a name for himself in the sport of archery. The latter he did by winning this year's International Indoor Open in Detroit's fabulous Cobo Hall.

The tanned Texas youth, sporting a collegiate crew-cut and shy smile, captured the respect and admiration of the spectators and archers alike, who packed the stands to witness his consistently remarkable feat of accuracy during the two-day tournament.

At the end of the first day's shooting, Rick Gilley had chalked up 298 out of a possible 300. This placed him in a three-way tie for first place. He gave the second day's audience a real thrill by dropping arrow after arrow into the five spot. He was perfect until the eleventh end, when with only ten more arrows to go for a perfect 300 game, the unexpected happened and he dropped his first and only arrow into the four ring.

Unshaken by this upset, he went on to place the remaining nine arrows in the five spot for a 299 game. Rick now had a total of 597 for the two days' shooting, a figure that was matched only by the outstanding performance of another young professional archer, Chuck Jordan of Kittanning, Pennsylvania.

Knowing that a sudden-death shootoff between Gilley and Jordan was imminent, the crowd anticipated the great moment. A hush descended over the hall, as the referees placed fresh targets on the mat in the center of the



auditorium, where all could witness the spectacular shootoff.

Jordan, shooting first on the right target, placed his first arrow in the five to the applause of the spectators. Gilley nocked an arrow, drew, held for approximately five seconds, released and placed his arrow dead center in the spot. It now was Jordan's turn and his arrow landed one-sixteenth of an inch from the spot in the four ring at nine o'clock.

The tall, lanky Texan drew his arrow and placed his second arrow directly under his first, almost touching, for a five. This made Gilley the youngest competitor ever to win this great archery event. The crowd went wild, and as photographers and news media swarmed around the winner, you could tell by the look on his face that he was a mighty happy boy. Many of the top professional archers in the country gathered around to offer their congratulations to the young champion.

After the fanfare had partially subsided, Gilley submitted to an exclusive interview for BOW & ARROW.

He said he received his first bow from his mother and father when he was eleven years old and immediately became wrapped up in shooting. He practiced as often as he could, shooting into a bale of hay near his barn, before he became aware of the Chisholm Trail Archery Club in his area and promptly joined. Today, that club's membership totals about seventy archers and is growing all the time.

"I started shooting archery in the barebow ranks and have been there ever since. About a month ago, I decided that I wanted to come up to Detroit, but I figured I'd have

to switch to a sight to keep up with the stiff competition. I kept my bow set up for barebow shooting and even kept my instinctive style of three fingers under and started practicing as long and hard as I could.

"I shoot a sixty-nine-inch, thirty-five-pound Bear HC-300 with the Bear Premier bowsight installed, and I use the Bear stabilizer with omnicooupler. At my draw length this gives me about thirty-eight pounds. My arrows are 1914 X7s with a 3½-inch parabolic fletch. My leather goods are also Bear."

As mentioned, having been a barebow shooter, he still maintains his low barebow anchor, using his string peep as a head check. His bow arm and drawing arm are rock steady, as he lines up each shot without evidence of movement in any part of his body.

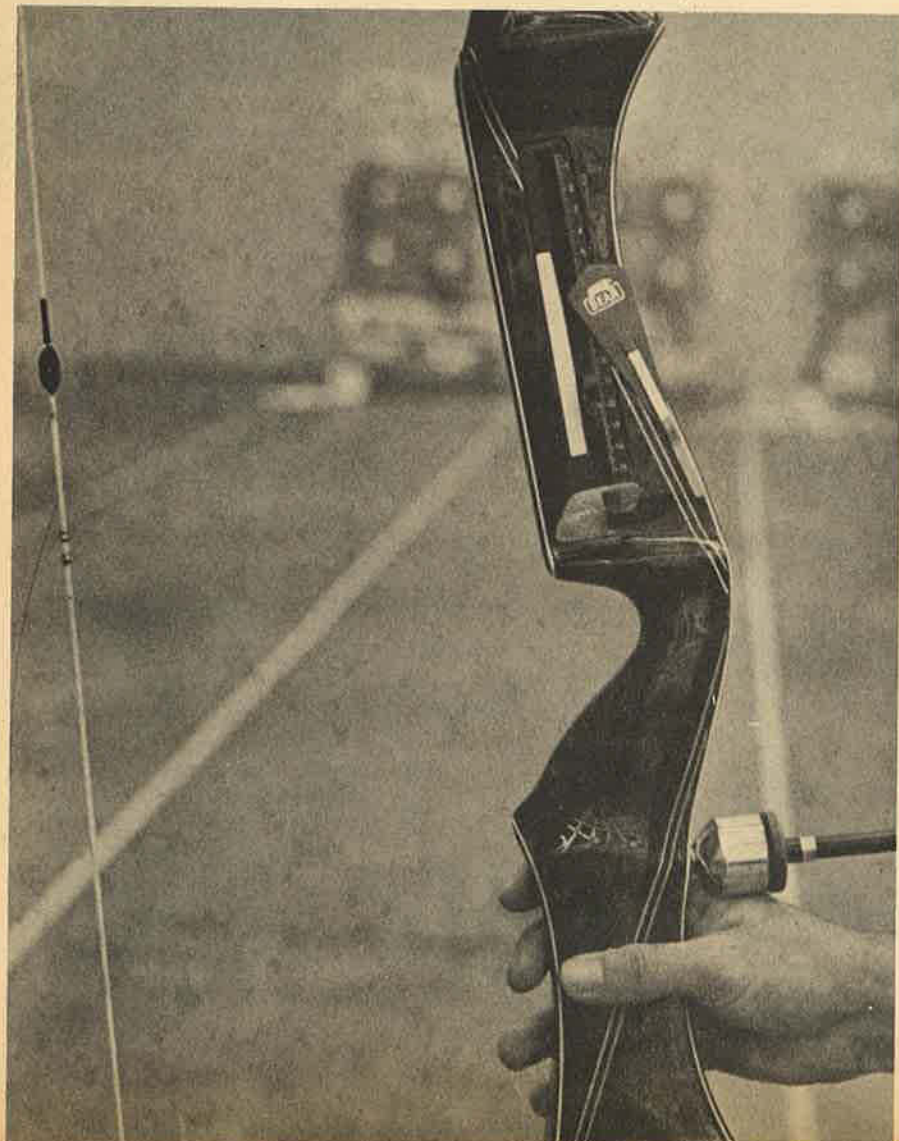
Asked about his other archery accomplishments, Rick Gilley recalls: "I won the Texas State Field Championship barebow division in 1967 and placed second in the same division in that championship in 1968. I won the Southern Sectional Field Championships, again in the barebow division, in 1966, '67 and '68. When I went to the National Field Championships at Jackson, Mississippi, in 1967, I placed third. In 1968, at the Nationals in Salinas, California, I placed second in the barebow division, while Dave Hughes took first honors.

"Dave, incidentally, is one of my best friends in archery, and it benefits us both more to shoot together and help each other than it does trying to help ourselves. If Dave sees a mistake in my shooting, he helps me correct it, and I do the same for him. It's taken both of us to get as far as we

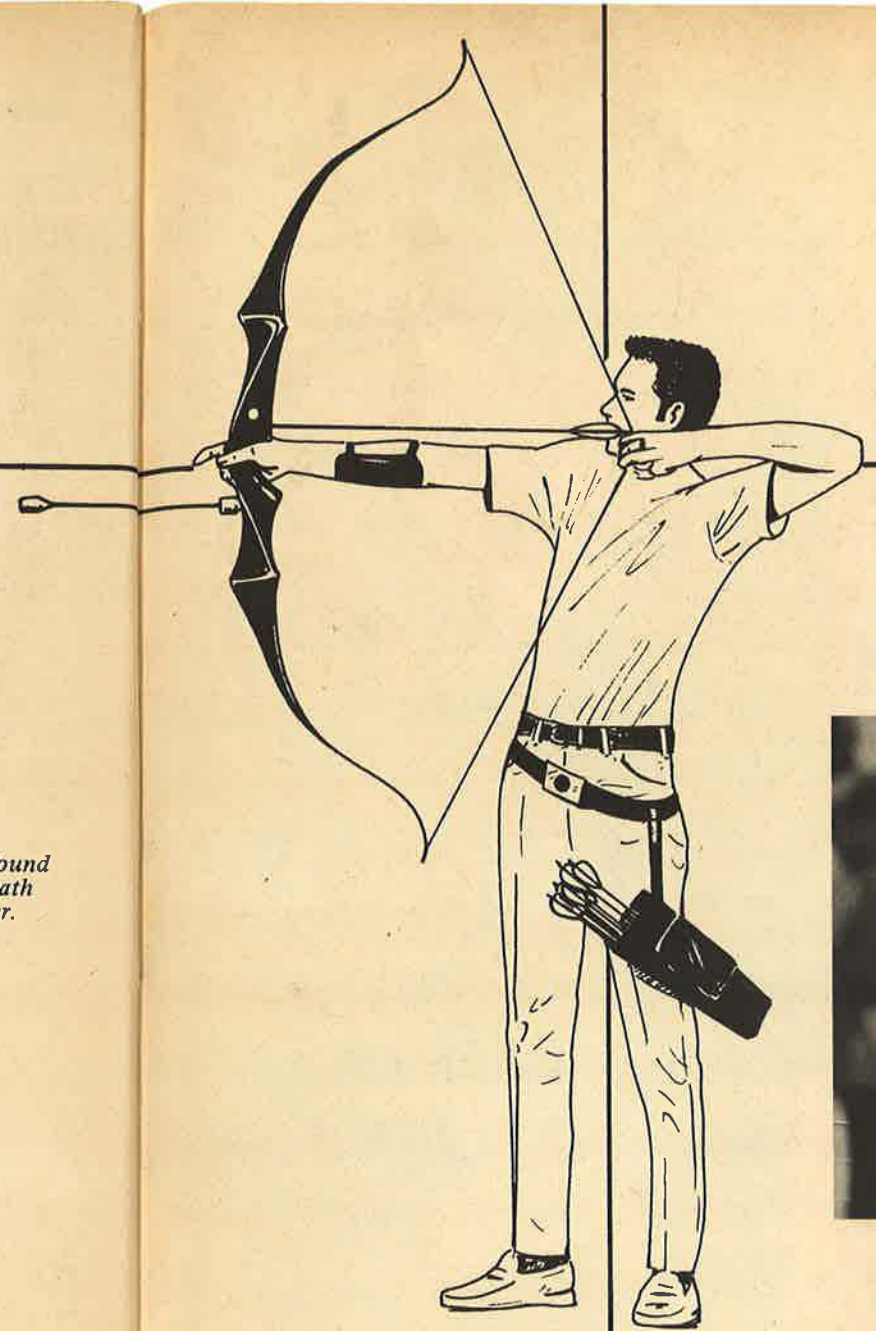
# GILLEY JORDAN



*Rick Gilley and Charles Jordan found themselves involved in sudden death shoot-off to determine the winner.*



*Gilley favors the Bear HC-300 with a Premier bowsight for tourney shoots.*



have, especially since we don't mind getting beaten by each other. In stiff competition this helps raise our scores to a peak."

Rick Gilley shoots his bow and arrow in the spare time that he finds between working part-time in a grocery store and attending classes at Temple Junior College in Temple, Texas, where he is majoring in business administration. He lives at home on a farm with his parents in Temple, a town with a population of 37,000 — and one champion.

Come hunting season, Gilley finds time to go afield and has three whitetail deer to his credit, along with two mufalon sheep, a species originally imported from the Mediterranean area. He hunts a great deal at the Burnham Brothers ranch in Marble Falls, Texas, where he says the hunting is "great."

For hunting, he uses the Bear Super Kodiak sixty-inch, fifty-pound hunting bow with Bear Magnum aluminum hunting arrows with Razorheads installed. He also uses a Bear hunting quiver on his bow.

As for his future plans, Gilley says, "Well, I'm young and I still have my military obligation to consider. It's difficult at this time to say definitely what I will do. However, I hope to continue my education and eventually make archery my livelihood."

He has made inquiries concerning the Professional Arch-

ers Association and will submit an application in the near future.

When asked what he would recommend for all those becoming interested in the sport of archery, Gilley replies, "Start off with good equipment and ask someone you know who is an archer to help you get started. Learn the fundamentals and beware of picking up bad shooting habits. Above all, practice as often as possible and work hard to perfect your shooting form. After a great deal of time and practice, the results will start paying off."

He played a little basketball in junior high school, but feels that, to perfect one sport, one must devote full time to that sport; therefore he now spends all his time in archery.

Last year's Open winner, Jim Ploen, walked over to congratulate the new champion. I asked Ploen how he felt and



*On the last end, Gilley appeared to be pensive and thoughtful, as his selection of arrow for shot was made.*

he replied: "I'm exceedingly happy, more than pleased that a young open shooter from Texas could come up here to this tournament and show us old pros just what this game is all about. I was on the same target with Rick, and he did a fantastic job, considering he had been shooting with sight for only one month."

Rick Gilley came from nowhere to cop the top indoor archery event in the country and the eyes of Texas are upon him. All of Temple's ten-gallon hats are being tipped in praise of this fine example of American youth from the Lone Star State.

Mrs. Ann Butz of Suffern, New York, scored her second consecutive win and tallied a 584 for the double professional round. This young lady is considered by many to be the finest woman archer in the world today having proved that she is a capable and consistent winner of the major archery championships in the country. Much credit for her success is due to the untiring efforts of her husband, who is always by her side, and who seems to shoot each arrow when she does.

Over 1600 archers attended the eleventh annual Indoor Championship; this year's event was sponsored by the American Archery Council and sanctioned by both the Professional Archers Association and the National Archery Association. ←

# FITA: WORLD ARCHERY Championships

Held Here And Including Field Archery  
For The First Time, American  
Archers Are Expected To Dominate  
The Meet

OVER three hundred archers representing thirty nations including the Soviet Union will be vying August 12-19 in Valley Forge, Pennsylvania, for the twenty-fifth world archery championships.

This is an American first as well as an American speciality.

The bi-annual tournament is sponsored by the International Archery Federation - Federation Internationale de Tir a l'Arc (FITA) with the National Archery Association of the United States, the nation's FITA affiliate and a member of the United States Olympic Committee and AAU, as host and organizer.

Since 1957, when we began sending teams to the world event, the United States has won nine out of fourteen individual first place gold medals and thirty-six out of forty-two team gold medals.

At Armersfoort, the Netherlands, in 1967, the men's individual and men's team prizes came to this country. The world champion is, in fact, a thirty-two-year-old Muskogee, Oklahoma, bakery route salesman named Ray Rogers. Poland claims the women's champion in the person of Mrs. Maria Maczynska.

The International Round is traditional - thirty-six arrows at ninety, seventy, fifty and thirty meters for men with a forty-eight-inch target for the longer distances and a thirty-one and five-tenths inches face for the shorter distances. Women shoot at seventy, sixty, fifty and thirty meters. (Ninety meters is ninety-eight and four-tenths yards.)

The scoring rings are valued from ten down to one. A perfect score is 1440 with 144 arrows per round. Rogers holds the world record at 1230.

Each nation is permitted to enter eight amateur archers in this world event, with two FITA rounds being shot over a four-day period.

A field archery event, separate from the FITA round in

*Doreen Wilber, 1968 national champ, won Ambassador's Cup with her 1208 FITA score for a new world record.*



*Cindy Slate, national intermediate champion, boasted the third highest score in class at 1968 nationals.*



*Ray Rogers, intent and serious, is the type of archer who personifies the contestant qualifying for FITA.*



*Bob Bakken, a commercial artist from Minneapolis, placed sixth in 1968 nationals, is a constant contender.*

every respect, will be shot in the world championships for the first time, Monday, August 18, and Tuesday, August 19. A range similar to a golf course is being set up with targets at varying distances and elevations on two twin fourteen-target courses.

The targets will range from nine to twenty-four inches in diameter at distances from nineteen feet to sixty-five yards. Each nation will be permitted to enter eight archers with individual medals being given top performers.

The United States team tryouts for the meet are open to winners and high scorers in various national, regional, state and special qualifying tournaments - all entrants will be NAA members, amateurs and United States citizens. The non-playing team captain will be Harry Gilcrest of Kent State University.

The tryouts, set for the Forest Park Range of the St. Louis Archery Club, are being held June 12-22. They will consist of a rugged double FITA round. The four men and four women who tally the highest scores will make up the nation's target squad for the world championships. The field squad will be picked at another tryout meet scheduled for Seven Springs, Pennsylvania, July 12-13.

As many as 150 archers will compete at St. Louis. There will be a world champion on the line, a quiver full of former world title holders, and plenty of present and former national champions.

Although United States archers virtually have monopolized the world tournaments, European bowmen are closing the gap. The strongest archery nations are Poland, Finland, Sweden, England and Czechoslovakia. Canada and Australia are coming along rapidly as interest in the sport grows.

The International Archery Federation, headquartered in England since 1969, last reported forty-two nations as members. Mainland China, said to be encouraging the sport, has joined. The Soviet Union, long affiliated, has sent observers to the world events, but no team before this year. Their archers competed for the first time in international competition at the European championships last September. The best showing made by them was a fourth at 1121 by a woman.

Some top prospects for our team are Rogers, the only American to hold the world and United States titles at the same time, and Hardy Ward, the nineteen-year-old United States champion, who edged Rogers by ten points at Tahlequah, Oklahoma, last August. He won his first men's title in 1966 when he was sixteen, is from Mt. Pleasant, Texas, and a freshman at Kilgore College. In the 1967

*Continued on page 54*





# AN OUNCE OF INVENTION

**This Archer Finds  
That The Easy Way  
Out Of A Problem  
Is To Invent A Cure**  
by Jerome Cummings

**ARCHER-INVENTOR** Art Frydenlund has produced a trigger sight and a combination arrow holder and release timer by following the time honored rule of thumb for inventors: whenever possible, make life easy.

The sixty-two year-old Prairie du Chien, Wisconsin businessman first flexed his imagination while working, years ago, as a barber. He thought there must be something better than standing all day, so his first patented invention was a barber chair side saddle attachment which allowed the barber to sit while working.

Last year, using a Damon Howatt Palomar forty-pound bow equipped with his release timer and trigger sight, he placed first in the sight shooting broadhead shoot in Eau Claire, Wisconsin.

About the same time that he was experimenting with marks on the facing of his bow for elevation, he participated in a broadhead round in Necedah, Wisconsin.

He noticed that archers using sights did not have time to make sight adjustments if they were the first to shoot. If they miscalculated the range, they would have to readjust their mounted sights. He reasoned that, if the hunter or archer could trigger his sight to the estimated yardage, as much as fifty per cent of the guesswork might be removed.

As he explains it, "A slide bar sight is fine for target archery where you have plenty of time to make adjustments, but when you're out hunting you can't ask the deer to stand still while you move the bar up or down to make allowances for estimated yardage."

With the conventional slide bar, the archer must turn the backing of the bow towards himself or hitch one end of the bow up under his arm while he makes his final adjustments. With the trigger sight the hunter adjusts the sight with a minimum of movement of the trigger located next to his gripping hand.

The trigger sight is a slide bar sight that the archer controls with a trigger. The hunter estimates the yardage and raises or lowers the sight slide with the trigger until the

sight indicator coincides with the calibrated yardage marked on the tape on the facing of the bow. The sight is geared for moving game. The anodized aluminum trigger sight has a baked on non-reflective finish, with models for either the right or left-handed shooter. The extruded aluminum slide bar conforms to the contour of the particular bow on which it is mounted.

A tightening screw adjusts the sliding action to the individual's preference. Adjusted vertically with the trigger, the hooded sight pin also has a horizontal adjustment regulated by a steel thumb screw.

The combination arrow holder and release timer was the practical solution to the problem of snap shooting-releasing the shaft before full draw.

Frydenlund had developed this habit while doing local exhibition shooting, and its effect had marked him as a mediocre marksman despite his long hours of practice. There were a few timers or clickers on the market, but none that suited him or were geared for broadhead exclusively. So he went to work.

His attachment signals the shooter when the broadhead has been drawn to the maximum of finger contact. Although it could be used in brush, it is most effective when used on stand or in a blind.

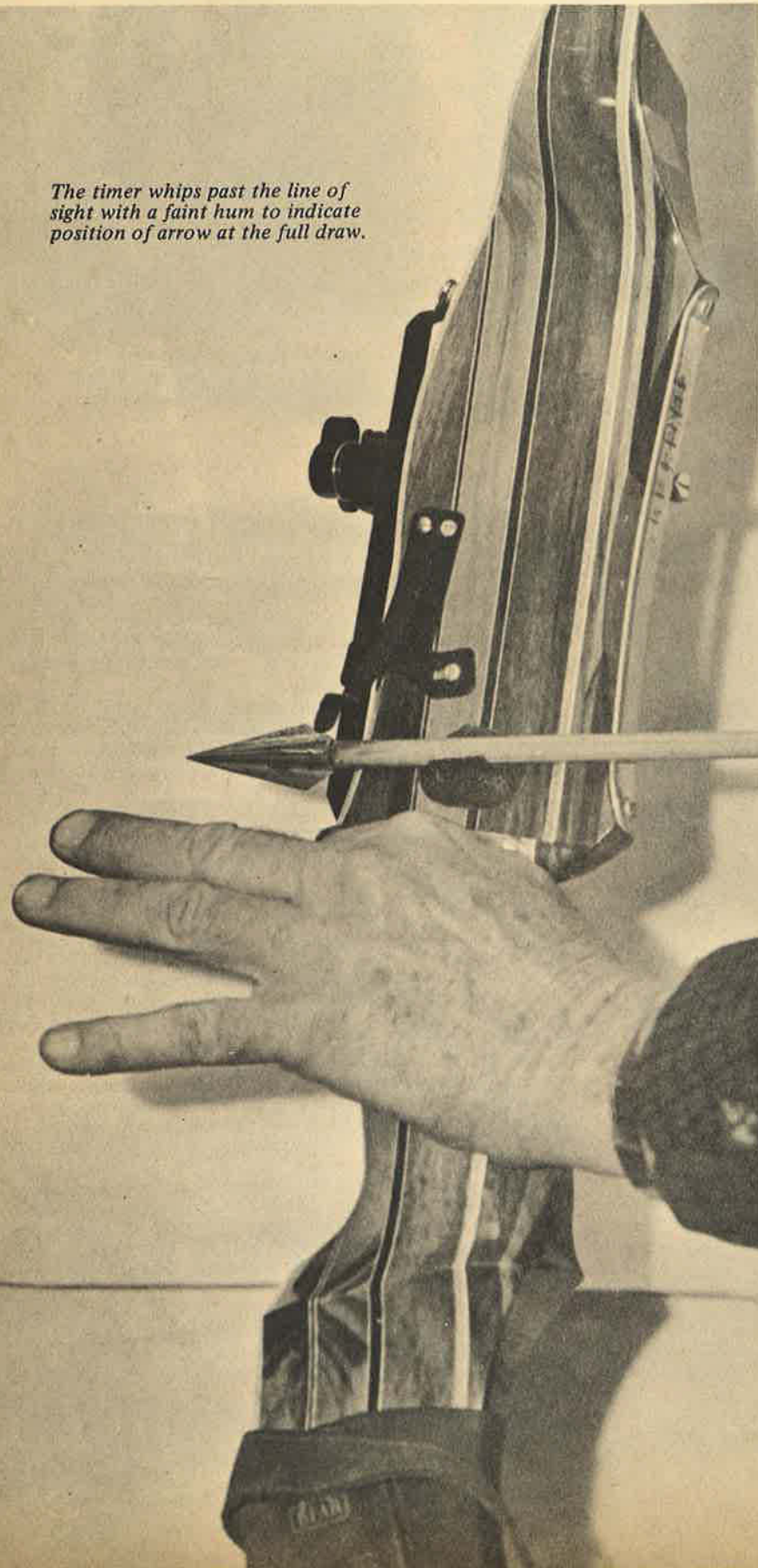
The release and holder frees the hunter from having to continually apply finger pressure on the arrow to keep it on the rest. This is particularly helpful in cold weather, as the hunter can wear gloves.

To use the combination arrow holder and release timer, the archer draws the broadhead back until it releases the spring timer. The spring flies out past the line of sighting with a faint hum to signal full draw.

Frydenlund's mini-factory is located behind his Brisbois Motel on Highway 35 on the northern edge of Prairie du Chien. His wife, Elaine, is bookkeeper and secretary, and son, John, is assistant manager.

His products appear under the name Moto Miter Com-

*The timer whips past the line of sight with a faint hum to indicate position of arrow at the full draw.*



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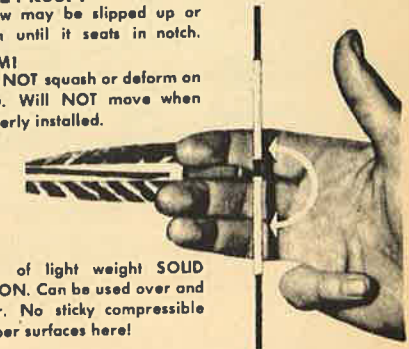
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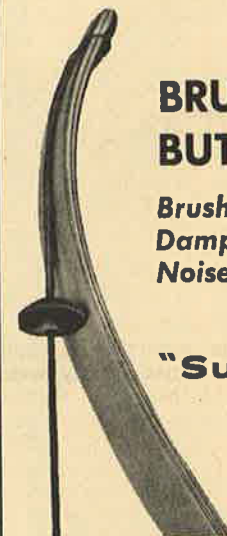
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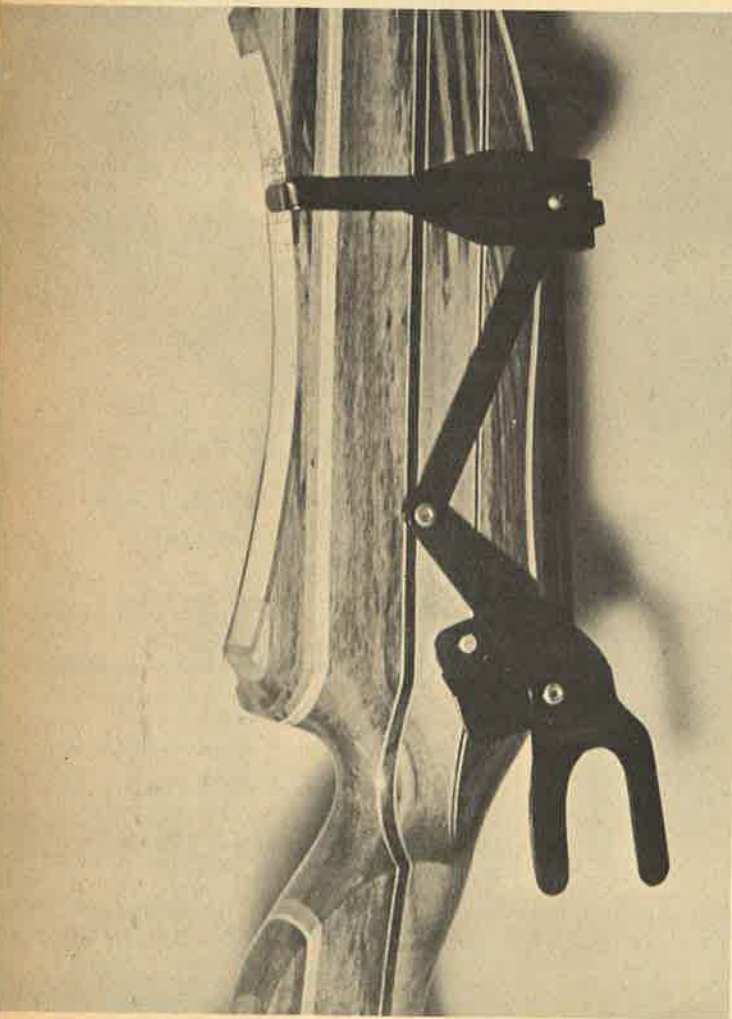




Koresh (left) and Frydenlund, with corner clamp, demonstrate the use of the bow clamps for laminated bows.



Front view of trigger sight with the hooded sight pin mounted on a short window bow. Slide bar is adjustable.



With pre-determined yardage shown on the facing tape, the hunter triggers sight to align indicator with yardage.

pany. The Moto Miter enables a conventional, portable electric saw to handle mitering, dadoing, and precision work.

This invention took second place in the third annual Iowa Inventors Congress in 1967. His bagging machine took third at the same show.

Robert Koresh assists Frydenlund as a machinist, die maker, finisher, silk screener and welder. His skills have provided the extras, short cuts, and proper production methods for the inventions.

When Frydenlund became interested in archery he became absorbed in constructing his own bows, arrows, and accessories. His first bows were made from billets of osage orange and yew wood, then he went to fiberglass and has now shifted to laminated bows.

Finding a clamp that would conveniently and securely work in the lamination process became a mechanical problem, so he developed his bow clamps, which have been sold through mail order.

In those early years he designed his own arrow fletcher, geared to fletch a dozen arrows. In that first fletcher his concern for accuracy and precision took the form of v rests for the arrow so the accuracy of the nock need not be relied upon. For strict accuracy he purchased a commercial fletcher but redesigned it so it, too, would not depend upon the nock to hold the arrow. The indicator floats and does not interfere with the fletching.

Instead of using a commercial tapering machine for nocks and broadheads, he designed a jig for use on a sanding wheel. The jig compensates for any minor flaws in the arrow. If the shaft is a little off, the sander will take more wood off the opposite side to seat the nock or broadhead accurately.

Port Orford cedar was Frydenlund's first arrow material, and he still uses it. Lately he has been purchasing fiberglass shafts and fletching them himself. His field arrows, however, are Easton's with his own fletching. This past summer he designed and produced an aluminum shaft straightener for his own use.

His fifteen year-old son, Eric, took first place in the June 1968, Beoit, Wisconsin, trophy shoot, class A youth with a Bear Alaskan. That August he captured the number one slot in the Wisconsin Field Archers' Association shoot using a Bear Tamerlane.

Explaining his success with his inventions, Frydenlund says, "Once you've done something and it has been successful, it gives you the courage to go on and try something new. The deeper you get into this field of inventing, of making good things better, the more possibilities you see."

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Please send me six dozen Log Arrows. I have used Log Arrows for some time and find them the best. I have five archers in my family. Thank you for your fine product and cooperation.

**DALE R. CARLILE**  
Astoria, Oregon

I recently purchased a dozen of your Log Arrows and have found none better.

**BRAD STEER**  
Laguna Beach, Calif.

Enclosed please find my check for two dozen S & D Log Arrows. Your arrows have been highly recommended.

**R. A. BECK**  
Bloomington, Minn.

Have received two dozen arrows and am most pleased with them and your fine courteous service.

**CONRAD L. GEISE**  
St. Louis, Mo.

I would like to order two dozen of your fine arrows. I am well pleased with those I received in the past.

**C. DEWAELE**  
Kendall, N.Y.

Some time ago I ordered a dozen of your arrows and found them above my expectations, so I am enclosing a check for more.

**E. W. CRAMBERG**  
West Memp, Ark.

I received your arrows in a short time which truly surprised me. I have had such success with these arrows that I would like very much to order another dozen.

**MAJOR GOARD**  
Duluth, Minn.

Last year I bought several dozen of your arrows to try on a Catalina Island Hunt. I shot 3 spanish goats and 2 wild boars in 3 days of hunting. Not only is your service fast, but your arrows are straight. This year I would like to order several dozen more and also some for my friends.

**CARL E. WOLF**  
Walnut Creek,  
California

I have just received 3 dozen of your arrows and would like to commend you on your fine arrows. They are some of the finest I have ever shot. Please send 3 more dozen. Thank you.

**FRANK A. FERGUSON**  
Orlando, Florida

I recently bought five dozen of your arrows. I showed these to my hunting companions and let them have a dozen each. They were so impressed with the performance that I am out five dozen arrows. Please send another five dozen.

**BOB ARNOLD**  
Las Vegas, Nev.

Would you please inform me of your next Scratch and Dent Sale. I ordered a gross last year and found them to be very good — in fact, on my last two hunts at Santa Catalina and Santa Cruz I shot 2 rams, 2 boars, and 3 goats plus numerous small game. Thanks for such good arrows at a hell of a low price.

**VERNON G. PETERS, JR.**  
Granada Hills, Calif

About a month ago I thought I would take a chance on your arrows. Well Sir, I am so pleased with them that I have enclosed a check for 2 dozen more. To be honest, I wasn't too sure of the grade of the arrow, but now you have a life time customer.

**ROBERT J. SWEET**  
Buffalo, New York

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## SO. PACIFIC BOWHUNT

Continued from page 27

I watched Peter move into range. He was about to shoot, when the lead billy saw him and gave the signal.

It was my turn to act. I sighted on the billy closest to me and let go. The arrow passed through the goat and knocked him from a rock. I expected him to be down for good, and was surprised when he got to his feet and joined the fleeing herd. They headed for the steep cliffs that led to the sea. Tracking him would be difficult, but I knew he would drop within an hour or two. I positioned Peter on a ridge, where he might have another chance, and set out.

For the next four hours I hunted but could find not one sign, not one trace of blood. He had probably crawled out onto a ledge to die. But what ledge? The best way to find out was to cross to another mountain side and scan with field glasses. I went to tell Peter my plan.

I found the spot where I had left Peter. He wasn't there. His bow was leaning against a rock; his canteen on the ground. I called, even though I might spook the hills of all game. I heard a cry from a ridge below.

Presently he appeared, moving slowly, carrying something. He was shouting, "I got a goat! A goat!"

Peter did have a goat, a live baby goat about two weeks old. Evidently a hunter had shot its mother and it was wandering in the hills, certain to die. Peter had caught sight of him and the chase was on. Peter had an interesting tale to tell, how half-falling and half-running he leaped from ridge to ridge until he finally tackled the kid.

Peter was right, we couldn't leave him to die. We returned to Manele Bay, found a yacht at anchor and talked the owner out of a can of condensed milk. After that first feed, the young animal was Peter's friend.

The next morning, we returned to the hills. It was then that I met Pablo Libero.

Libero is of Filipino descent, born on the Big Island of Hawaii. Once he began to use the bow, he gained the name, "The Hunter." He has shot three hundred game animals, from every island. When Pablo sets out to get game, he succeeds.

"You come my house, eat, sleep tonight," he said, and without taking "no" for an answer, he drove us on a mad jeep ride back to his house.

People can dine with kings and heads of state, but a dinner with Pablo is certainly more memorable. His house is Polynesian in every sense, except that his walls contain some of the finest trophies seen any place. And for those who enjoy eating wild game, his charming wife, Lorraine, prepares a fantastic table. We had wild boar from the Big Island, cooked with young green peas. We had succulent grilled venison steaks. There was a third meat platter of rich hunks of roasted sheep, also from the Big Island, a raw fish salad from Manele Bay.

The meal lasted for two hours, and we listened to wild and fascinating tales about Pablo, the Hunter. It was like reading Robert Louis Stevenson.

The next day we saw Pablo in action. It is sheer pleasure to watch a skilled man go after game. With Pablo it's a science. He drives his jeep to a ridge and studies the wind.

"Kona wind today," he says. "East side of island best," and we head to the east. We parked the jeep and covered the last few miles by foot.

Pablo takes everything into consideration. His skill in stalking takes him within twenty yards of his kill. He never attempts to shoot animals on the run.

"It's no fun, then," he explains. "I like to get them, when they never know what hit them."

Watching him is like watching another great beast at prey. He freezes, his chin up, staring straight at his quarry. When he pulls back his string, it's like a fine oil painting, but in motion. When he hits, he looks back, waves a hand and smiles. The plantation workers will have meat that night. He has fattened many of his friends.

Pablo Libero has a number of methods of hunting that bring him success. Sometimes he will let game spot him deliberately. He then removes his shirt, ties it to a bush, and while the game watches the shirt, he slips around from behind. Other times he will remove his bandana, tie a rock in it, then toss it up and over the sheep or goats. When they catch the scent, they run in his direction.

The next goat was Peter's, a thirty-yard shot. By dusk I had mine, and three successful hunters returned to Pablo's home for another meal and more stories. Before retiring, Pablo announced that the next day I would have an axis deer. I had only known Pablo two days, but I had learned not to doubt him.

Peter and I had hunted the entire day and managed to see three deer at two hundred yards. When Pablo joined us, we were feeling rather disappointed.

"You get deer; no humbug," he said, and we set off in another direction.

Pablo spotted two bucks at possibly a thousand yards, but three deep ridges separated us. Carefully he pointed out my line of approach. Everything was in my favor.

"You will see goat, but don't shoot," he insisted. "You after buck deer."

It took me an hour and a half to cross the three ridges, all the time out of sight of the two bucks. As Pablo had said, there were goats, but I let them pass.

At the last ridge, I edged myself up, only my eyes over the crest. Blood pounded in my ears and my mouth ran dry: Forty yards in front of me stood a six-point axis buck.

I dropped down, knocked an arrow and stood up to my full height. Just as the buck looked in my direction, I let the shaft fly. He dropped where he stood, the arrow through the top of his skull.

Pablo and Peter had watched the entire operation through field glasses. There was nothing I could tell them.

Pablo estimated the buck to weigh 190 pounds. His rack was in velvet and his hide was a beautiful spotted color. It was midnight by the time we had him skinned out and dressed.

"You see, no humbug," Pablo said the next day as he took us to the airport. It was truly a sad parting. He had taken a fancy to my Pearson take-down bow and I promised to buy and send him one when I returned to the mainland.

"It might be a year," I explained.  
 "Pablo can wait." He can; I watched him hunt.

We shook hands and Peter and I returned to Honolulu and the Valkyrien. There was a grand venison feast at the yacht harbor that night, and a warm send-off the next morning for Peter who returned to school in California. But Peter wasn't alone. We obtained authorization for him to take the baby goat back.

It was the early whalers who picked up goats from the North American continent and carried them to the Pacific as a source of food. Maybe Peter is taking one ancestor back home. ←



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## ARCHERY CHAMPIONSHIPS

Continued from page 47

world tournament he placed third, behind Rogers and Britain's Ian Dixon.

Allen Muller, forty-three, from Minneapolis has been runner-up at the National four times and a member of every United States team since 1961. He has to be counted among our top archers.

John Williams, the eastern champion, is fifteen and just finishing his first year in high school in Cranesville, Pennsylvania, where he is state champion.

Mrs. Vicki Cook, a Minneapolis housewife, was world champion in 1963 and won her third United States title in 1968. She has also been on every United States team since 1961.

Doreen Wilber, a quiet housewife from Jefferson, Iowa, owns the best FITA ever shot by a woman — 1208. At the 1968 National she finished fifteen points behind Vicki Cook.

Cynthia Slade, seventeen, is the United States intermediate champion. Her score was a few points behind Mrs. Wilber's. (At the National, intermediate girls shoot the same rounds as the women.)

Nancy Myrick was United States champion in 1965 and at Amersfoort she placed higher than any other United States woman, finishing fifth.

These, of course, are just a few of the hot prospects for the squad which will be named at St. Louis. Some of the men whose names are likely to be on the roster are Bob Bakken, a Minneapolis commercial artist; Brian Metzger, a hefty Pennsylvania Dutchman who came in third in the National last year; Ed Eliason, an ex-Green Berets sergeant who lives in Seattle; and Joe T. Thornton, the full-blooded Cherokee who was world title-holder in '61.

Mrs. Clela Wanamaker, a Wayzata, Minnesota, housewife and third at the 1968 National, is a good bet; so is Mrs. Ardelle Mills, Minnetonka, Minnesota, a former national speed skating champ who won the United States archery title in 1967; Linda Meyers, a young bank teller from York, Pennsylvania, is a threat; so are Maureen Bechdel, Loveland, Ohio, who, at fourteen, was the youngest archer, male or female, ever to make a United States team.

From the college ranks are Kirstie Kaiser, Arizona State University top United States college gal archer in the nation. Cathi Towner, Cortland State University, New York, is sharp. Don't overlook Jane Slade or pretty Nancy Wonderheide Kleinman, world title holder in 1961 and twice national champion.

The NAA, organizer of the event, was founded in 1879 and is the second oldest national sports organization in this country. Under the International Olympic Committee regulations, only one organization per nation can represent a sport before the sport's IOC-affiliated international federation; it must be amateur, and it must be a member of its nation's Olympic organization.

The NAA has been affiliated with FITA since 1931. It will have the responsibility of organizing the United States archery squad for the 1972 Olympics. Its programs include the USOC-approved Junior Olympic Archery Development project (JOAD) in which over 7,000 youngsters currently are participating.

United States participation in international events is made possible only because American archers — bow-hunters, field archers, target technicians — help with the financial support. It is time to bring archery into the first-class sport range and this means promotion. Right now, the way to help is by aiding the United States Team Travel Fund. Mr. and Mrs. George Levitt of 2613 South 11th Avenue, Broadview, Illinois 60153 are the administrators.

The fund is issuing a pin commemorating the 1969 FITA tournament, and it is hoped that clubs will buy en masse. The price is only \$1. A contribution from all those who enjoy and are enthusiastic about the sport would take care of the \$29,000 budget for putting on the tourney. Archery Incorporated, 7800 Haskell Avenue, Van Nuys, California 91401 is also distributing buttons.

Let's support our sport! <—

# NOVA SCOTIA SHOWMANSHIP



IN Nova Scotia, we have been conscious of spectator appeal for some time, and have tried music and colour to brighten the scene.

The photograph of 1969 Nova Scotia Indoor Mail Match champions Vic Sweeney, Bill Powers, Julie Blondel and Gary Ousey demonstrates the attire worn by the Greenwood Archers when attending tournaments. Other clubs in the province feature screen-printed T-shirts, and badges sewn on shirts and vests. The Greenwood guys wear royal blue vests with white shirts, and Julie Blondel's full-length outfit is that of the NS ladies' team champions — again in blue and white.

With or without their outfits, the Greenwood gals can shoot well, but their blue-clad frames create an additional splash on the firing line, which adds to spectator interest.

Music has been used in some NS tournaments, and has proved effective as a crowd soother and even more useful for submerging spectator noise into a general hum of sound, which does not disturb archers.

I do not believe that archers will ever shoot well if interrupted by loud PA system announcements — our sport is much like golf in the concentration required, and you will never find a professional golfer who will tolerate noise when making a crucial putt. — Norm Blondel <—

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# INSTANT ARCHERY

## National Workshops Are Held To Snowball Increasing Interest In Sport

Over 80,000 archers were reached last year by means of a community plan developed by the American Archery Council in cooperation with the Outdoor Education Project, a segment of the American Association for Health, Physical Education and Recreation. This year, the figure is expected to double as this dynamic leadership and instructional program for archers is expanded.

The joint program produced more than twenty-seven archery workshops last year with approximately thirty instructors attending each workshop and a potential for each instructor to reach one hundred students a year. By the end of 1969 more than fourteen workshops will have reached over four hundred instructors or two-thirds of 1968's six hundred-plus instructors.

Some workshops are conducted for the Lifetime Sports Foundation and the instructors attending LSF in turn conduct workshops for archery instructors in their area.

Basic archery instruction is where the primary emphasis is placed but a new advanced archery workshop was held in January to give impetus and recognition for archery instruction beyond the beginner stage. The workshop was staffed by outstanding archery authorities, many of whom are member of the PAA. This particular workshop asked the participants to conduct at least one workshop in their area for the coming year. To date seven have already established dates for their workshops.

The advanced archery instructor workshop was held at the Kellogg Gull Lake Biological Station, Hickory Corners, Michigan, in January.

Participants in the workshop were school, college and recreation instructors who have been active in previous archery workshops of the Outdoor Education Project. Nineteen people from twelve states attended the session and became certified as AAC Advanced Instructors.

They will continue to be actively involved in the archery segment of the Outdoor Education Project by conducting archery instructors workshops in their own areas and regions in the years ahead, developing Olympic-type competition (including the project's amateur postal archery tournament), and giving leadership to archery in their own institutions and communities for the Outdoor Education Project.

Continued on page 64

# DISCOUNTS

LISTED BELOW IS NEW 1ST LINE 1969 EQUIPMENT

1969 Mfg. suggested price	OUR LOW PRICE
BEAR HC300 63", 66", 69" or 72" length w/case & sight	\$235.00 \$139.95
BEAR Temujin Bow — 66" or 69"	150.00 89.95
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BEAR Alaskan Bow — 62"	45.00 26.95
BEAR Bearcat Bow — 60"	35.00 21.95
BEAR Cub Bow — 60"	30.00 18.95
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WING Presentation II . . . . .	195.00 139.95
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WING Presentation II Hunter . . . . .	195.00 139.95
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BEAR-EASTON "Professional" alum target arrows XX75	58.00 26.95
BEAR "Falcon" aluminum target arrows . . . . .	33.75 16.95
BEAR "Falcon" aluminum arrows with Bear razorheads . . . . .	39.50 19.95
BEAR "Convert-A-Point" aluminum arrows with 18 screw-in inserts . . . . .	46.00 23.95
EXTRA Bear Convert-A-Point inserts — Blunt, Field, or BH inst. (doz) . . . . .	2.00 1.40
BEAR "Kodiak Supreme" fiberglas field arrows . . . . .	38.00 18.95
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BEAR "Kodiak Supreme" arrow set — 6 field, 6 razorhead	40.00 19.95
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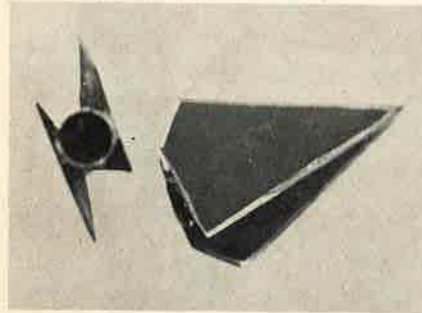
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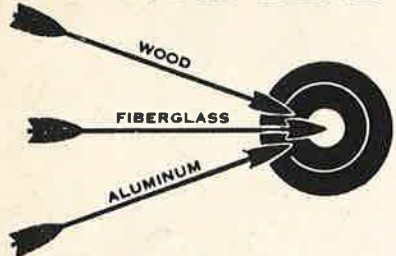
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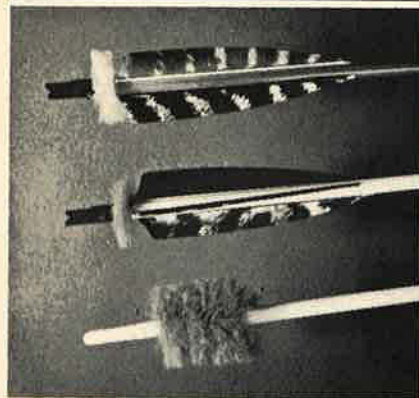
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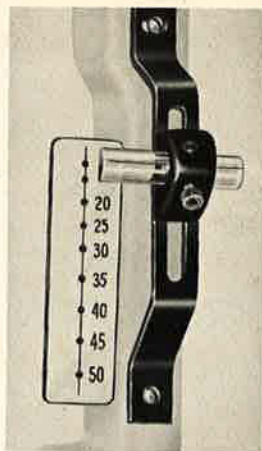
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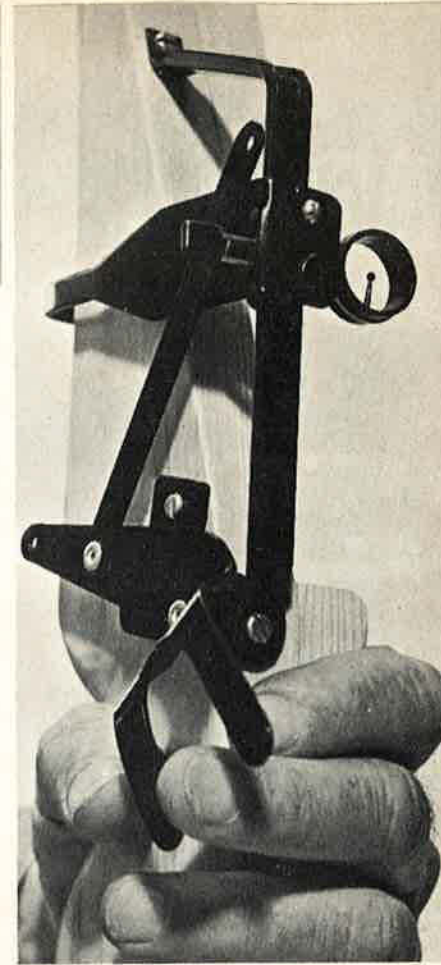
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(If "B", you must be using Forgewood.)

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- A) Yes B) No  
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**III. DO YOU HAVE TROUBLE WITH:**

- A) Tips breaking off?  
B) Point inserts splitting the tube?  
C) Arrows bending just back of the point?  
(If any of these, you must not be using Forgewood.)

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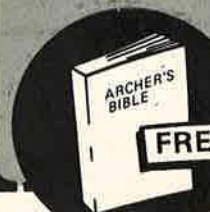
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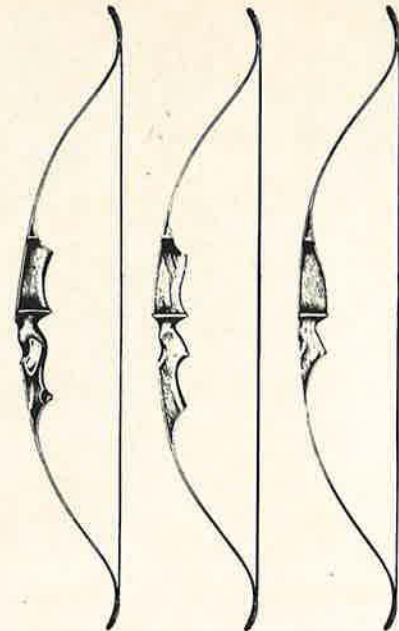
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### TECH TALK

Continued from page 8

they start in late afternoon and carry on into early morning. The only problem is that deer don't like to be caught out in the open, so they tend to move into the open scrape after pitch dark and leave before daylight. It is best to set up your blinds on the trails from the scrape to the bedding grounds, half a mile back or so — depending on the country. You can only tell by the tracks and actual watching during the hours you intend to hunt.)

### ARROW WEIGHT PROBLEMS

I am shooting the Bear Super Magnum forty-eight-inch sixty-three-pound bow, using new Bear magnum arrows .316 twenty-eight-inch with the interchangeable points.

The trouble is, when I am practicing at thirty yards, the Razorheads drop at least a foot or more. When I am using the field points at thirty yards I get good results.

I have weighed the field points and the Razorheads with the adapter glued in. The field point weighs 144 grams and the Razorhead weighs from 153 to 158 grams. I would like to know how to correct the weight of the Razorhead to match the field point?

John P. Tuzzio,  
Brooklyn, New York

(You can grind down the rear of the Razorhead a bit to reduce the weight, if you wish and this will help some. However, the resistance of the head as it passes through the air is probably more at fault, so you won't get them to shoot exactly the same, no matter what you do.)

If you know all you need to know about aiming then you're already shooting 300.

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### ADJUSTABLE PLATE

I have been shooting for quite a few years but had no training until recently. I have a forty-six-pound bow and a few questions.

I was learning first with a thirty-pound bow, then a thirty-five, which I did very well with. When I went to a forty-six-pound bow, things went wrong. The arrows I am using are marked for 40-45 pounds and I am not really too sure what effect the adjustable arrow plate could have.

Ted Sweger,  
Fairbanks, Alaska

(We suspect that your arrows are a bit too weak in spine for your bow and probably are flipping to one side. Also, you jumped eleven pounds and unless you can draw and hold the bow with similar ease to the lighter model you were using, this new, heavier bow will accentuate any shooting errors you might have formed.)

(You might go to stiffer arrows, then buy a copy of Dick Young's book, How to Raise Your Scores. This book has the answers to the majority of shooting problems.)

### GLASS OR ALUMINUM?

I have a few questions that leave doubt in my mind:

I shoot left handed and have been thinking about going to a helical fletch on my arrows. Does it make any difference, if I fletch them right or left? What is your opinion of heli-fletched arrows?

Making my own arrows over the years, I've stayed pretty much with wood shafts, but now want to go to aluminum or fiberglass. These would be used for hunting with the screw points available now. What is more desirable for a hunting arrow, glass or aluminum?

In making a bowstring, are the number of strands that critical for each poundage? What is your opinion of feather length and height for hunting arrows?

If I write for arrows twenty-eight inches long spined for a fifty-five-pound bow and I pull only twenty-seven inches, should I still order the shafts spined for a fifty-pound bow or for a five-pound bow?

R. M. Esley  
La Crosse, Wisconsin

(It makes no difference which wing of the feather you use, as long as the same is used for all arrows in a matched set. Helical fletching is excellent for any tournament arrows, but does tend to slow the arrow down with the large feathers needed for hunting arrows. Also, as the hunting feathers wear to a point where there are spaces in the vanes, they will make noise with this type of fletch, guaranteed to spook the game.)

(Glass shafting is the most popular, because it is so rugged, but aluminum may give a bit more accuracy. The choice is strictly personal preference. Incidentally, screw-on heads can be next to impossible to align perfectly with a broadhead, an important item to accuracy. Also, if loose, it will rattle when shot and can spook the animal. Most serious bowhunters stay away from them for hunting, and if interchanging of heads is wanted, use regular taper-hole points, which can be removed by heating to soften the cement.)

(You must use the correct number of strands in a bowstring. Use too few and the string breaks too soon; too many and you use some of your bow's energy to move the extra weight, slowing down the speed of your arrow.)

Five inches long and five-eighths inches in height is the best feather size for a broadhead hunting arrow. One smaller than this can make your arrows unstable; if larger, you can slow down your arrow and create noise.

(Always order your arrows by your bow weight at your draw length. You also must indicate the arrow length you want as measured to the back of the head, generally an inch longer for a hunting arrow than your draw length to prevent the head from hitting the back of your bow.)

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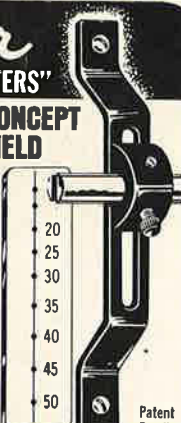
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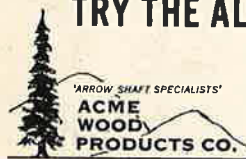
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2928 Alaskan	62"	40 to 50#	\$45.00	\$30.00
2933 Bear Cat	60"	35 to 50#	\$35.00	\$23.50
2931 Cub	60"	35 to 50#	\$30.00	\$20.00
2936 Little Bear	48"	16 to 20#	\$20.00	\$13.50

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### TACKLE TIPS *Continued from page 12*

Bales of straw or excelsior make fine butts. Straw bales are reasonably priced and readily available at your local grain store. Excelsior is rot-resistant and long lasting, but being of a harder nature you may get a few bounces and arrows will be more difficult to pull. An archer I know uses sugar cane bales which he feels are superior to other types.

Lay down a couple of wood stringers or build a base on which to place the bales to prevent rapid decay. Some kind of roof or covering over the bales will also help to prolong their usefulness.

You might wish a backstop behind the longest target. Two posts and a crosspiece to support two thicknesses of old carpeting will do nicely for this. In my installation I built a long bird motel over the two posts, and the backstop is suspended from a length of pipe under the motel where it is adequately protected from wind and rain when rolled up for the winter. If you can afford the best, some of the archery dealers sell a nylon mesh backstop.

Wood stakes can be used to mark the shooting positions. However, bricks set flush with the surface will eliminate danger of tripping.

To allow hanging your bow while walking to the targets to pull arrows, drill holes in trees near the various shooting positions and drive in wood dowels or expended. 30-06 shells.

The course may be shot in a variety of ways to introduce a random effect and add interest. Twelve arrows may be shot from one position (four at each face, excluding rabbits) completing three targets without moving a step. Three arrows may be shot from each position (one at each target) before moving up to the next stake.

A backyard range such as this will afford practice equally as good as at any official range. Careful measuring in laying out the distances will guarantee accurate aiming points or sight settings for serious tournament practice. ←

### INSTANT ARCHERY *Continued from page 56*

The workshop gave both breadth and depth to the participants in: basic group archery instruction; cause and effect; bow mechanics; conducting service and intramural programs and tournaments; kinesthetics and isometrics as related to archery; principles of learning; and advanced teaching techniques. The session concluded with acknowledged test for participants and workshop evaluation.

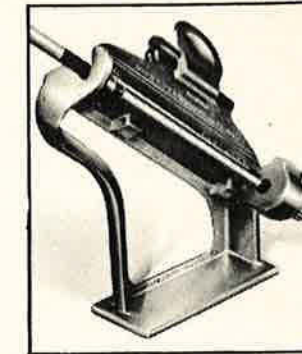
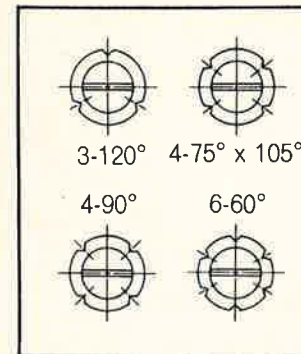
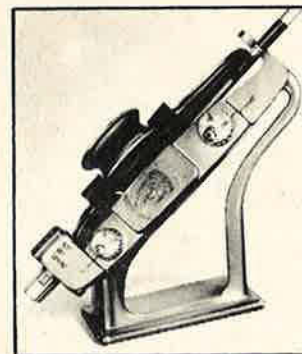
Archery is a segment of the AAHPER's Outdoor Education Project giving special attention to leadership preparation, program development, needed instructional materials, coaching techniques and tournament management. It is a cooperative effort with the American Archery Council, which represents all archery organizations in the United States. The inclusion of archery in the 1972 Olympics is indicative of the importance of the sport nationally and internationally, and the widespread growth of recreational archery, bowhunting and competitive events is proof of its popularity.

These learning experiences are conducted at schools, colleges, and recreation agencies across the country and, by April included Texas, Wisconsin, Michigan, Illinois, Georgia, Florida, Massachusetts, Kentucky, Montana, and New Jersey. In the months to follow additional workshops will be held in Colorado, Missouri, Michigan, Arizona, Vermont, California, Indiana, Washington, Maryland, Louisiana, Wisconsin, and Illinois. ←

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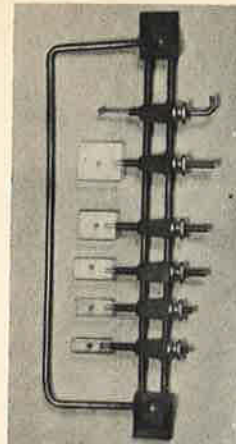
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### CLUB CALL

Continued from page 14

(3) Don't tell a shooter where his arrows are landing in the target, unless asked. (4) Don't remove any arrows from the target, while shooting a tournament, until they are scored. (5) Keep all noise and talking at a low level. When others are shooting, don't talk at all. (6) Don't be a range litterbug. (7) Throw out a compliment now and then — organized archery — you learn more, besides strengthening the national image of our sport.

### TOURNEY TIME

**ILLINI SAFARI** — The twelfth annual Northern Illini Bowmen Safari will be held July 26-27 and feature twenty-eight three-dimensional targets. Registration begins 8 a.m. Saturday and is open to all. Trophies and donated prizes will be awarded at 4:30 p.m. Sunday. The range is one mile west of McHenry, Illinois, on Draper Road.

**JUNIOR ARCHERY** — The Western Pennsylvania YMCA Junior Archery Open will be held July 5 at the East Hills YMCA at Holiday Park. Contestants will range in age from ten to seventeen years. Pre-registration is mandatory.

*(Please send all items for Tourney Time three months prior to event.)*



### ALBUQUERQUE DEER HUNT

The Sandia State Game Refuge outside of Albuquerque, New Mexico, features a one hundred-day bowhunting season. The game refuge is reached by a flight on the longest aerial tramway in North America. An estimated 150 deer were taken in the area last season.

Non-resident licenses are \$15, plus a \$2 bow tag. It is required that a bow capable of casting an arrow 130 yards be used and that unbarbed broadhead hunting arrows, with edges honed as sharp as possible, to be used. Resident fees are \$7.50 and \$2. Two deer of either sex may be taken during the season. If a hunter bags his first deer, a second-deer license costing \$6 is required, \$3 for residents. Only bowhunting is permitted in the refuge.

Shown are Robert Geronimo, Junior, grandson of the Mescalero Apache chief and Robert Fleming of Albuquerque.



### STEVE SHOWS HOW

Steve Monroe, a thirteen-year-old Virginia boy, suffered an accident last year, which resulted in the loss of functional muscle power in his upper and lower extremities, but like all true champions, he is working to overcome his handicap.

He is shown using a Powermaster eighty-pound pull crossbow with a ground tripod device for stabilization of crossbow placement. This is part of a sport activity program designed for Steve at the Children's Rehabilitation Center of the University of Virginia Hospital at Charlottesville, Virginia.

### CHICAGO RANGE

Van Graham of Chicago's largest archery pro shop has opened a new shop at 2364 North Neva Avenue, which boasts a fully equipped pro shop on the main floor and a twenty-yard indoor archery range on the second floor.

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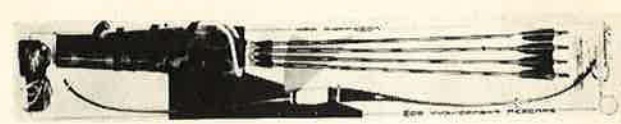
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A50-2 Arrow. Weights 40, 45 and 50. Regular price \$12.50, my price **\$ 6.25**

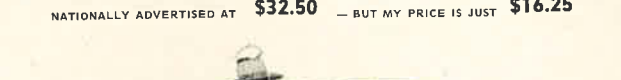


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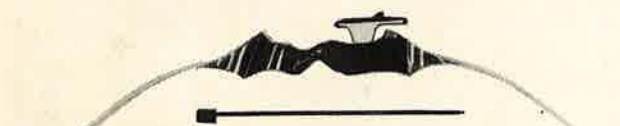
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The **YUKON** is an extra big value in Shakespeare's great new line of bows. It's a sturdy, economical, well-crafted, full working recurve model, fashioned for hunting (and named after Alaska's fine Yukon (rare) as well as recreational pleasure. The Yukon is ruggedly built to take the strenuous beating of beginners in physical education classes, summer camps and recreation programs. For its size, it has surprising speed and stability, and handles with all the feel and ease of a high priced composite. Its appointments can be enumerated. Outstanding are the long wear Hunter rest, built in thumb rest, and a polished handle of Island Maple wood which is contoured for a palm-pressure fit. Face and back are Woods Brown. Also included is an "ABC's of Archery" booklet, No. X24 — 60" (Right hand).  
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# \$20,000 PAA Tournament



Making plans for the 1970 \$20,000 PAA indoor tournament to be held in Las Vegas are (from left): Jim Easton; Phil Grable; Ernie Root; Nick Naff; Dave Keaggy; Miss PAA Sherri Schruhl.

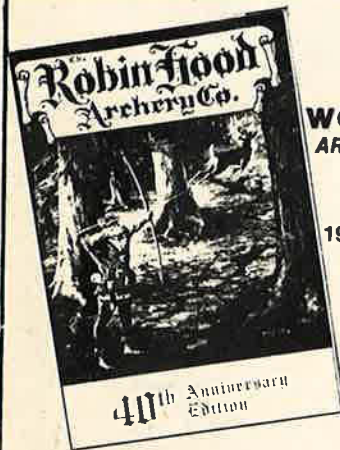
Although it's still more than half a year away, what is shaping up as possible the biggest archery tournament in history is being planned in Las Vegas.

This is the Professional Archery Association's \$20,000 U.S. Indoor Archery Tournament, slated for January 16-18 at the International Hotel. The hotel, incidentally, still is under construction, but is guaranteed to be finished in time for the tournament, according to Nick Naff, who represents the hostelry.

Sponsors of the January shoot are the hotel, James D. Easton Company and Archery Research, Incorporated. These sponsors, however, have placed management of the tourney in the hands of the PAA. The professional organization will handle all registrations, will referee and otherwise control the event.

Individual entry fee for pre-registration is \$25, which will result in a bonanza for the top archers in the country. For example, in the men's open division, prizes will add up to \$10,000, while winning teams will divide \$1500. In the women's open division, there will be a prize pot of \$2500 to divide and an additional \$6000 is slated for flight awards.

In charge as tournament chairman is Joe Johnston. Entry fees can be mailed to him at: 4047 N. 76th Drive, Phoenix, Arizona 82033. ←



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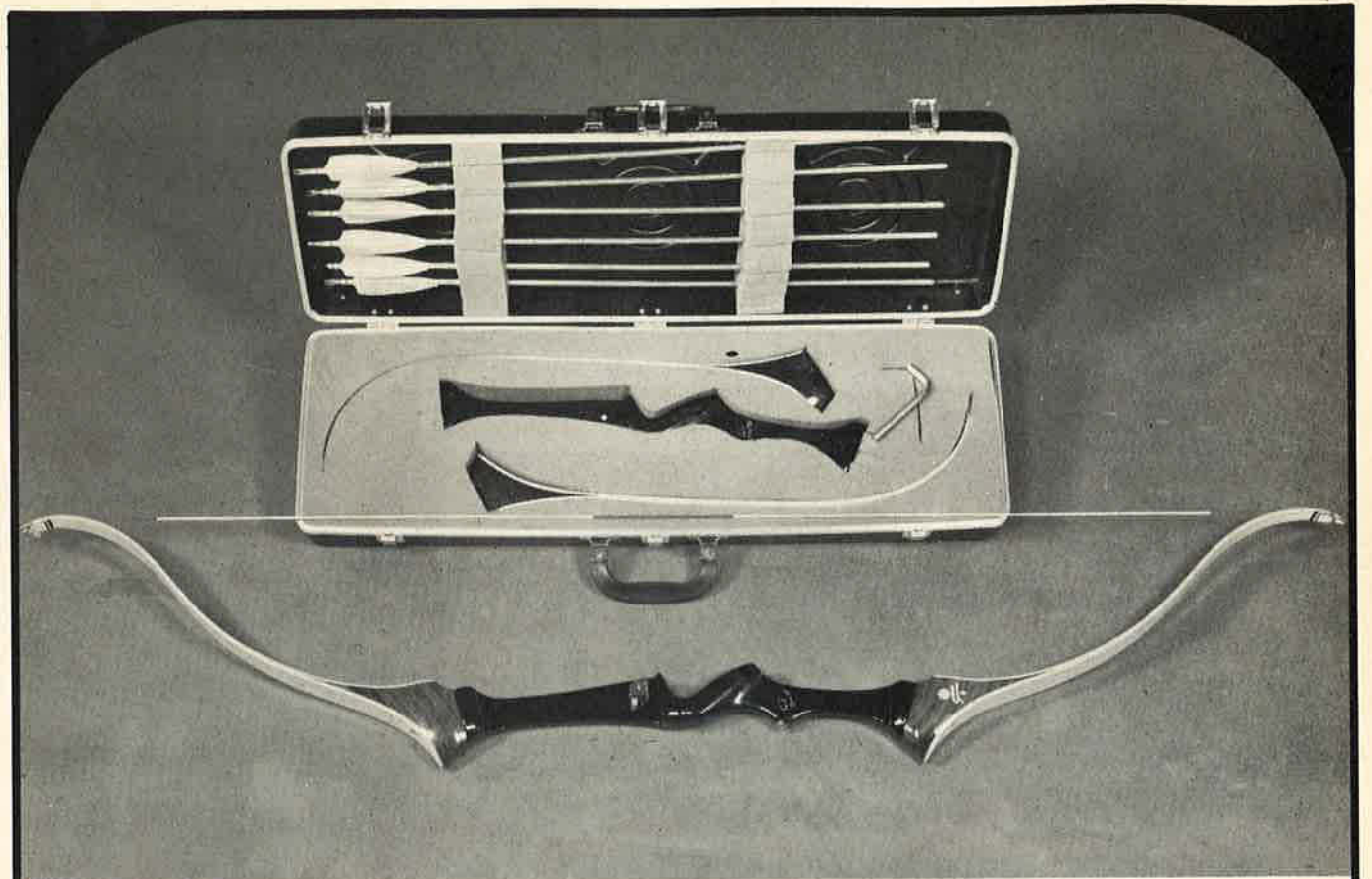
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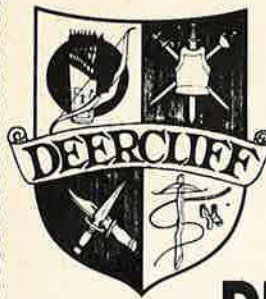
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### LETTERS

Continued from page 6

even though I know Asiatic archers shoot off the right side. I use a nock that snaps onto the string and a nocking point above the arrow. Using double nocking points and taking hold of the string an inch or so below the arrow is a good way to get started.

Trying to use a corner-of-the-mouth anchor can result in a bruised lip from the recoiling ring. I now hold the ring against the side of my face, under the cheekbone, and it slides back harmlessly.

An arrow at least an inch longer than normally is used for the three-finger draw is needed.

D.E. Cone,  
Granby, Colorado

### LONG ARCHER

I am the only person out of a town of five hundred people, who owns a bow. Interest in archery is just not here and people have laughed at me for shooting arrows at a bale of hay. They don't laugh now, because I have bagged two nice bucks in the past two seasons. Now they know archery is not a childhood game.

I would like to thank you for the fine stories and help you have given me. There is no archery club close by, so when I started hunting, I followed what others wrote in your articles and tried them all. It took me three years of shooting and trying different ways, but it finally paid off and every moment was worth it.

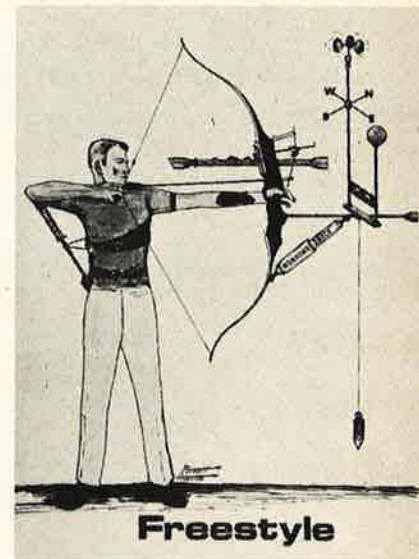
We are forming a Boy Scout unit in my hometown and I will be a scoutmaster. I hope, with a little help from the fathers, that I will be able to get a few scouts interested in archery. It gets lonely being the only person using a bow.

Eddie Hefflin  
Artesia, Mississippi

### PRO & CON

My husband and I both thought this was discussing. Everyone knows that to archery hunt underwater you wear wet suits. So in the future please don't subject us to such Pornography. Orwill cannelle ore sub.

Mrs. Gus Harris,  
Brooks, Oregon



Freestyle

### LOUD SCREAM

Screams of indignation! In reference to Mr. Harding's letter, plus drawing of the freestyle form of archery, I didn't think there were so many accessories available. Upon studying his picture, will someone please tell me how do you use a peep sight in conjunction with that scope sight?

It is impossible. The stabilizer is good, but the rest would need a 2 1/2-yard crane to hold it up. I also wonder if Mr. Harding actually does any outside shooting at all, even in the summer, let alone in the winter.

I have been shooting only for six weeks, but still am proud of my score and do use sights, along with a peep in my bowstring. Granted, there shall be diehards in both types of shooting; that is what makes the world go around. But slow down, Mr. Harding, or you will wind up with a bleeding ulcer.

Courtland K. Steelman,  
Wilmington, Delaware

(This writer seems to be taking Harding's drawing much more seriously than did the artist, himself.)

(Someone said once that "beauty is in the eye of the beholder." Perhaps

Continued on page 74

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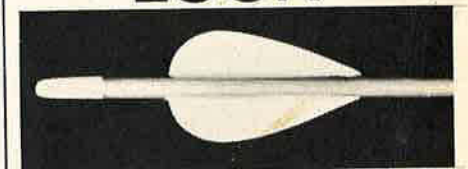
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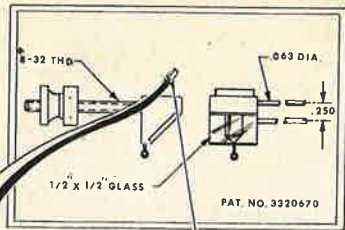
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## LETTERS

Continued from page 73

the same approach may be taken toward pornography. No one else has taken this particular cover to task and we still like it, too!

## PRO TREE BLIND

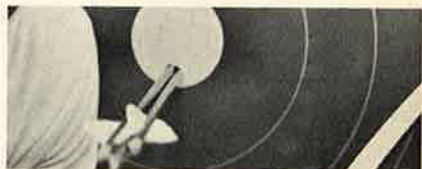
This is in response to Joseph Brown's letter, "Tree Knocker," on page 49 of the May/June 69 BOW & ARROW. I have been a faithful reader of B&A for many years and snicker at some of the letters you receive.

I am taking this opportunity to defend hunting from a tree stand by stating my past record. I have killed three deer in the past four years and all were shot from a tree stand. How one elects to hunt with a bow in specific terrain and climate is a logical approach that many hunters fail to investigate. Every technique has its merits, depending on the cover to be hunted, the number of men involved in the hunt and personalities of the hunters, themselves.

I ask Joe Brown to submit his record of kills and techniques for further comments.

Robert L. Peck,  
Milford, Massachusetts

(Reader Peck is the past instinctive New England and Massachusetts State field archery champion, having held the crowns in 1964.)



## 300 GAME

After reading your article in the May-June 69 issue, I feel compelled to write to you, commending Bud Gardner on the job he did on Ralph Langham. The details of the exciting perfect 300 game were vivid and excellent reading.

I do wish to call attention to one fact, however. Langham did shoot the perfect round, while participating in a AIAA-sanctioned league, but the \$1000 cash award was made possible under the rules and regulations of the Archery Lane Operation's Association. It is through their membership, and official target royalties paid by them that this cash award program is available.

I felt you would appreciate knowing about this and, if at all possible, to make this known through a future publication. I know our membership will feel better about it.

Joseph Rusinek, Pres.,  
Archery Lane Operator's  
Association,  
Baltimore, Maryland

(Sorry for the oversight. The wrong now has been righted!)



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