

THE
ARCHER'S
MAGAZINE

APRIL 1969

50c

ARCHERY world

SPRINGTIME IS TURKEY TIME

HUNT

CARIBOU

FALLOW DEER

MOUFLON RAM

REVIVAL OF CLOUT?

PAA MAKES NEWS

RECREATION '69'

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ARCHERY WORLD
The Archery Magazine
by Archers for Archers

ARCHERY world

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Editor's Mail Quiver

Our Readers Speak

Dear Editor:

The information given to you with regard to the prize money given by ALOA to Ralph Langham (Archery World, March 1969) was incorrect. In the article on our \$1,000 winner, Ralph Langham, it was stated that the award could be won again this year. At present, the award can be won only once. We are hopeful of expanding the program in the future, but until then, it will remain once.

Enclosed is a copy of our Award Program for your info. If you could print a correction, it would be appreciated. Thanks.

Sincerely,
B. Joseph Rusinek
President, Archery Lane
Operator's Association

OFFICIAL RULES ARCHERY LANES OPERATORS ASSOCIATION LEAGUE AWARDS PROGRAM

The Archery Lanes Operators Association (A.L.O.A.) is happy to announce the following cash prize and trophy program being made available to A.I.A.A. league members competing in sanctioned leagues, in Commercial Indoor Lanes that are members of the A.L.O.A.

\$1000 Cash Prize for a perfect 300 series; \$100 Cash Prize for a 299 series; \$50 Cash Prize for a 298 series; \$5 Cash Prize for a perfect 100 game. Appropriate Trophy for a perfect 300 series shot by an Amateur.

RULES

- The above prizes will be awarded only for scores shot on the new Official A.I.A.A. target face. Description following: (Face with official patch also acceptable.)
20", five ring face, white bull (5 ring)
5 ring (bull) 3.2" diameter
4 " 8.9" "
3 " 13.4" "
2 " 16.9" "
1 " 20.0" "
- A.L.O.A. reserves the right to change the amount of the cash prizes at any time without prior notice.
- The round must be shot in a commercial indoor range that is a current member of A.L.O.A.
- The round must be shot in A.I.A.A. sanctioned league competition.
- The round must be shot in a league consisting of at least twelve (12) players, during a regular league session. (Vacation scores are not eligible for these wards.)
- Official A.I.A.A. rules apply and must be observed.
- Although no "entry form" is required, as soon as the archer has shot a perfect 100 game (20 arrows), and decides to compete for the prize, he or she must notify lanes management and league secretary. Shooter will complete series on same target face by moving it to ap-

propriate matt positions as series progresses.

- When management and league secretary have been notified, lanes manager or his appointed representative will keep score for the remainder of the series.
- In the event a perfect 300 series is shot, the shooter's team members and the captain of the opposing team will sign the shooter's score card, along with the management representative listed in rule #7.
- League secretary and management representative will be responsible for completing official award application and forwarding to A.L.O.A. 729 Frederick Road, Baltimore, Maryland 21228, for approval of payment or presentation. Official target face used must accompany award application.
- The winner agrees to cooperate in normal publicity in keeping with an event of this nature.
- Lane operators and their full-time or part-time employees are not eligible for these awards.
- In the event an amateur shoots a perfect 300 series, an appropriate trophy will be awarded. Winner will be advised of time and place of presentation.
- A shooter will be eligible to win the cash prizes only once.

- A league member must have a 75% attendance record to maintain eligibility for awards.
- A substitute will not be eligible for awards unless a member of a sanctioned league.
- A.L.O.A. will be the final and sole judge as to the eligibility of any league member to receive these awards.

Official Rules, posters and publicity materials are available from A.L.O.A., 729 Frederick Road, Baltimore, Maryland 21228.

Dear Editor:

One important sentence should have been included in Dave Keaggy's article on Breath Control in your March issue—"Breathe through your nose." I have been aware of the importance of breath control for many years due to my husband having been a competitor in pistol and rifle shooting before he discovered archery. A while back I was having more trouble than usual getting a consistent anchor and found I was gulping air through my mouth while putting my arrow on the string and drawing and trying to anchor with my jaws in various degrees of being closed without being conscious of it. Now the first thing I do before nocking an arrow is clamp my teeth together.

Sincerely,
Frances Patton Martin
(Mrs. Geo. F. Martin)

Dear Sir:

My letter has two purposes, one is to make a compliment, and the other is to ask a question. I would like to compliment Jack Witt on his article on Breath Control in the January issue of your magazine. I am an archery instructor at the West End YMCA on Saturday mornings from 10:00 to 3:00, and as I am

confined to a wheelchair, only get to shoot then. After reading Mr. Witt's article, I decided to give it a try, and found that after a few ends I was holding much steadier and shooting better scores. Again my compliments to Mr. Witt.

My question has something to do with the above part of my letter. I wanted to write to the Mail Quiver and put this letter in that, but I don't have the faintest idea how to go about it. Would you please give me some idea as to how to go about writing to the Mail Quiver. I will appreciate any information you can give me. Thank you.

Yours very truly
James D. Grovemiller

Dear Sirs:

I received the March issue of ARCHERY WORLD. As I glanced thru the magazine on Page 59 you have my picture in the upper right hand corner but the write up beneath the picture is about Gordon Degelleke in New York.

I don't mind if you use my picture but I would like to have the credit. I was pretty proud of that deer. He was a 10 point, 191 lb. whitetail buck instead of a mule deer. He was the biggest buck shot in the New England states this year with bow and arrow which won me a new bow from Roberts Archery in Palmer, Mass.

I would appreciate it if you would correct this mistake.

Keith Fuller
Star Route 1271
Belfast, Me. 04915

Ed Note: We too, are very sorry. In the next issue of Archery World we'll use the right photos and the right names. Congratulations on your buck, Mr. Fuller.

Dear Editor:

Please help! Tell him I was only fooling.

(Continued on Page 60)

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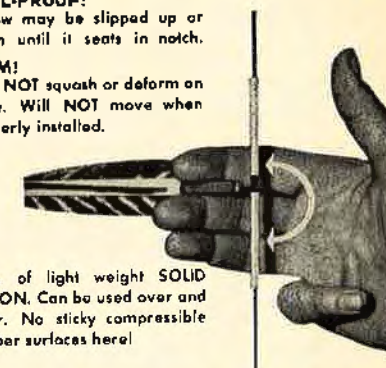
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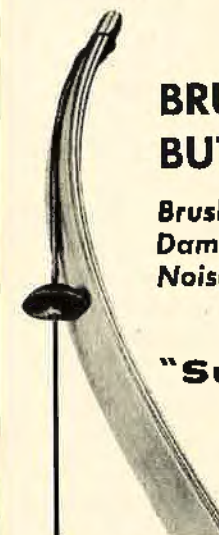
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TACKLE TOPICS

By Tom Jennings

Dear Tom:

Thank you for the very informative column on practical archery tips which are written to inform rather than confuse beginning archers like myself.

I purchased a bow and shot a deer on the first day of the season, needless to say, I am now a confirmed bowhunter.

Question #1—I would like to paint the entire surface of my bow with a flat camouflage paint. What kind do I use?

Question #2—The dealer that sold me the bow said not to use the rug covered arrow self. Why not? He said to use a brush type. Why?

Question #3—I know which way to put on the broadheads. HOW do you install them properly? Straight that is, so they fly straight.

Question #4—My draw is closer to 29" than to 30". With a 30" arrow would the overhang affect my accuracy? Am I not better off with an arrow too long than too short?

Question #5—Do you believe that a 47# bow is heavy enough for white tail deer and black bear? I am able to handle a 55# to 60# bow quite well and would be willing to go that high if necessary.

I do not like to bother you with such basic questions, but all my hunting friends and the dealer from whom I purchased the equipment tell me not to worry about it, and to go ahead and use the equipment I have. Well, confound it, I do worry about it because I want to shoot to the best of my ability. As you know, oftentimes it is one of the small things that makes the difference

Questions will be answered by Tom if sent to him at 10945 Burbank Blvd., N. Hollywood, Calif. 91601

between a hit with a quick, humane kill, and a miss or poor hit.

Thank you in advance for your time and helpful advice.

John E. Murphy
Richfield Springs, New York

Dear John:

First, I will tell you why you get so many stories or no story at all from the local dealer and your friends. ARCHERY IS THE MOST INDIVIDUAL SPORT IN THE WORLD!! What works like a charm for one archer, blows the whole thing for another. While there are a few basic things in archery that all people agree on, in turn, there are thousands that hardly two people will agree on. A smart man will refrain from making a hard and fast statement because somebody is sure to do just what you say not to do and make it work every time. Just ask me, I am a pro at making hard and fast statements and having about a hundred people write in and pin my ears back. However, here goes with your questions:

Answer to #1—If you want a semi-permanent job you can use lacquer. Most bows are finished straightening you can get a with a plastic finish that lacquer thinner will not touch. If you ever want to remove, just use a little thinner on a rag and wipe it off. However, I would check with the manufacturer to make sure lacquer thinner will not damage the finish. If you want a temporary job, go down to the dime store and buy a kid's water color set and finger paint your bow with water colors. This will have to be freshened up each day but after

the season you can wipe it off with a wet rag.

Answer to #2—The type of rest an archer uses is in that realm of personal choice. However, there is a lot to say for the rug type of rest for hunting. It's solid and will not collapse under a heavy broadhead at an inopportune time. It will not slide down and change your nock point, etc. A lot of serious bow hunters stick with the old carpet.

Answer to #3—Broadheads are installed with Ferr-L-Tite, a hot-melt glue. Your taper on the shaft must be true. Position the head the correct way on the shaft, heat and push firmly onto the taper. I push against a piece of lead so the broadhead will not be damaged but will not stick into the surface being pulled against. I then, while it is still warm enough to move, revolve the shaft on the point and observe the broadhead for wobble. By heating and revolving and broadhead on perfect.

Answer to #4—A certain amount of overhang will not hurt your accuracy if the arrow is spined correctly for the length used. Yes, it is much better to be long than short.

Answer to #5—If you are a serious hunter, (and I think you are) you should use as heavy a bow AS YOU CAN REALLY HANDLE. I am a strong believer in this statement, even at the risk that some archers are going to over-bow themselves. I have customers that handle 70# good enough to hunt with. One customer shot the highest score he ever shot on an animal round with 80#. If you can shoot a 28 target animal round within 10 or 20 points of your best score, this should give you an indication that you can handle a given weight bow. Go around another 28, on the same day, and still hold up in score and you'll know you are not overbowed.

Dear Tom:

I enjoy your Tackle Topics very much, but this is the first time I have written.

I have a near new set of Fiberglass arrows 28 3/4" long and spined for 50 to 54#. I use a Bear Kodiak Hunter 60" long and 55# draw weight.

I have only a 27" draw and want to cut these arrow to 27 3/4" for hunting.

My question is . . . What would this do to the spine? Would cutting them down make them too stiff?

I have asked at two different tackle stores and have gotten several different answers. I have taken several of your answers to other people and tried to fit them to my shooting and they have worked out just fine for me.

Paul G. Lester
Kansas City, Kansas

Dear Paul:

By all means shorten your arrows. It would seem you are as marginal on spine as they are. It is difficult to go too stiff-in-spine with the modern center cut hunting bows when you are using heavy field or hunting points. The Kodiak Hunter is quite fast as hunting bows go, so I think you will improve your arrow flight.

Dear Tom:

To me there is no other way to hunt big game than with a bow and arrow. I have been shooting the bow for 3 years and I would like you to clear up a few questions for me.

#1—Would a 45# bow be adequate for all North American big game if the shot was taken at 30 yards or less and into the chest area?

#2—How much would I save if I bought and assembled my own arrows?

#3—Am I right in saying that in order to obtain accuracy you must concentrate on aiming at

your target and everything else must be done without such concentration.

#4—I have read that the recoil is smoother in a short bow than in a long bow. Why, then, do they use long bows for competition?

#5—Can a bow be as accurate as a rifle at its shorter range. For example 30 yards?

#6—If you didn't use rubber, nylon or some other sort of material for locating your knocking point, is it possible that the arrow could slip on the string after the release?

#7—Why is it the procedure to place your nocking point 1/16" to 1/8" above the 90 degree angle your arrow makes with the string?

PFC Richard Bierschenk
APO San Francisco

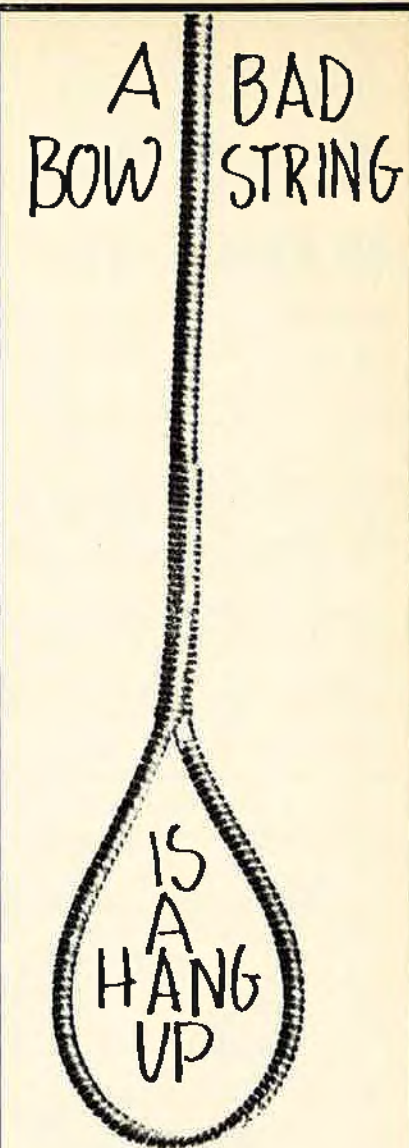
Dear Dick:

If you have only been in archery 3 years, Dick, you must have stayed up nights thinking up questions. "A few questions he says"! OK, here goes on your few questions.

#1—NO! 45 pounds is hardly enough for a small rabbit and you sure wouldn't catch me standing 30 yards from a Kodiak Brown with a 45 pound bow. Come to think of it, I might not be found there with an 80 pound bow.

#2—Very little. With improved production methods, you can now buy for \$7.00 or \$8.00 a doz., a good set of woods that used to sell for \$12.00 or \$14.00 only 15 years ago. To make it worse, \$12.00 or \$14.00, 15 years ago, was worth a lot more than it is now. Materials, bought in small quantities, will cost about \$5.00 a dozen. Many archers build their own arrows just for the fun and feeling of pride they get from making some of their own tackle. This is important to them.

(Continued on Page 48)



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THE ARCHERY CLINIC

By Jack Witt

HABITS

BAD HABITS, THAT IS, ARE MORE EASILY MADE THAN BROKEN

Technical language can easily sound complicated, and so many times be misinterpreted. Many archery champions, for example, don't bother themselves with the causes of the deflection of an arrow, or why one bow stacks and another doesn't; their only thought is in shooting the arrow. So, putting the physics and kinetic energy to one side, let's get to the meat of the subject.

Shooting habits, particularly bad shooting habits are easily developed. The archer that begins with too heavy a bow may begin his draw with the bow above his head, coming down on the target. Another might begin by drawing low and coming up on the target. After they have done this for a short time, the habit is hard to break. An archer can drift into bad habits from many causes, and in most instances, does not recognize these as bad habits until they are fully developed.

One of the more common bad habits developed by archers, which I have mentioned recently in this column, is *stretching*. As an archer's shoulder muscles develop he finds it easy to draw the bow. In fact, it becomes even easier to draw it back completely, overdrawing the arrow, than it is to come to a nice comfortable anchor. Hence, most beginners go to longer arrows shortly after they have begun shooting. Their scores go down, but seldom is the blame placed on the habit of over-drawing. Stretching prevents the shoulder of the bow arm from being seated. The bowhand cannot jump forward on release. But, being all stretched out, the bowhand must jump, and usually does so before the arrow has cleared the bow, in this instance.

Another bad habit is *'shooting too fast'*. This is an easy one to acquire, and one that can cause many shooting faults. First of all, *shooting too fast* doesn't give the shoulder muscles time to relax before another arrow is shot. The shoulder muscles are still tense—it is impossible to get a good release. Shooting too fast also prevents good aiming—this is usually the forerunner to shooting on the move. Don't confuse shooting too fast with snap shooting. Shooting on the move is when you sweep the sight through the target, releasing just as you come into the center. I've seen some tremendous scores shot like this, but under the pressure of a big tournament, you'll blow sky high.

How about dropping the bow arm? This little habit is usually caused by gripping the bow, peeking, or loosing tension. It is a mean one to get rid of. Going down close to the target and holding, aiming and shooting, concentrating on keeping that bow arm positioned several seconds after the arrow is released, is a good remedy.

I mentioned peeking above. In *peeking*, the archer wants to see where his arrow goes. He feels that he must see it in flight if he is to see where it is going. In reality, he is afraid it isn't going where he wants it to go, so he *peeks*. The trouble is he is looking to see where it goes before it is actually started. To check to see if you are peeking: Get out some night and have someone

(Continued on Page 63)

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NATIONALLY ADVERTISED AT \$210.00 — BUT MY PRICE IS JUST \$105.00
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NATIONALLY ADVERTISED AT \$84.50 — BUT MY PRICE IS JUST \$42.25
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"Why I Hunt"

by disStaffer
Ruth Christenson

**Pick Your Spot —
then Shoot**

In our busy and crowded world, it isn't possible for every hunter to be raised in the country—learning the ways of nature as part of growing up. Even if it were possible, unfortunately, there are some people it would never help. These are the people who look but never really see or comprehend the meaning of what they do see. These poor souls will never be good woodsmen or good hunters unless they concentrate on changing their ways. All they can hope to be are "lucky" hunters. If they stick with it long enough, the law of averages will give them a shot or two, but surely not enough to be classified as "hunters".

If it's any consolation, these unobserving people are usually poor fishermen, too. Before I was old enough to go to school I knew that if I stood perfectly still in the creek, I could see and feel trout swim over my feet, brushing my ankles. It really does tickle when minnows nibble your toes. I also knew this would only happen at the time when I could cut pussy willows and find an occasional early violet, but by the time the "cowslips" were going, so were the trout.

I learned by my own experiences that water-to-fish was like air-to-people. When the air is fresh and clean with the smell of spring, people get up and go, so do fish. With the hot, breathless August days, people are groggy, seeking the deep shade. Fish seek the deep, dark pools.

These common sense things aren't taught in high school science classes, unfortunately. If you weren't lucky enough to be brought up in the country, you have to learn as an adult. That is hard. It is very difficult to re-create the childhood way of learning, but it is the best way. Be curious about everything you see and hear when you do get out into the woods or country. Look at a tree as though you had never seen one before. Look at everything that same way, and you'll have a fair start at learning to hunt. Play detective in the woods. It certainly can't hurt and it will help you a great deal.

By the time I was old enough to go to school I
(Continued on Page 14)

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PICK YOUR SPOT—

(Continued from Page 12)

knew how to get a turtle. A neighbor's boy, a couple of years older, got a Daisy "BB" gun for his birthday. He didn't mind a little girl following him around, as long as I didn't act like a girl.

This boy, let's call him Pat because that is his name, didn't do any of the prescribed things like putting up a target for practice. A BB pellet was far too precious to waste that way. The Depression had started.

We walked along the river bank. When we saw a turtle he simply said, "I'll get this one and show you how. You get the next one". I watched, saw him wait until the turtle stuck his head out again and saw that Pat shot the turtle in the head. I simply imitated everything Pat did and I did get the next one. Pat's family had snapper soup for dinner that night.

So what has all this "old timer" sort of reminiscing got to do with bow hunting? Everything, except how to shoot the bow. It is possible to be the best target archer in town but never get anything at all as a bow hunter. There are many reasons for this but the two most outstanding reasons are:

- 1) Lack of knowledge of the woods
- 2) Lack of knowledge of your quarry

At the age of six I knew I should aim for a turtle's eye. For several years I thought that was the aiming spot for all animals. I had learned, painlessly, that you can't just look at the whole animal (or turtle). You concentrate on the vital spot. The spot you picked is really the only thing you do see. The rest of the animal just sort of fades away in your mind.

Target, or tournament archers know this. The bow hunter knows this too and whether he realizes it or not, he is concentrating on one spot while he is target shooting in his back yard getting ready. But then, come hunting season, buck fever scrambles the brain and the hunter stands in the woods and looks and often shoots at the WHOLE deer.

The hunter looks at the whole deer, shoots at the whole deer and then spends the next couple of nights boring all within earshot with his alibis. I have heard some pretty good stories about near misses. One or two were even worthy of entering in the Burlington Liars Contest. Because it can happen, the usual one is "the arrow hit a tree branch". This has happened to all of us, I'm sure. I have a broadhead rusting in a tree in our meadow right now. It's been there since September, when I got over-eager about a ringneck. I'm leaving that broadhead where it is as a reminder to practice what I preach.

Look! Look at what you want to shoot and only at the very spot you want to hit. Don't shoot unless you are in position to see, clearly, the one vital spot you want to hit. When I drew on that ringneck I was looking at the whole 7 acre meadow. That bird is still sitting in the hedgerow laughing at me.

Hunting isn't like walking into a supermarket and filling the cart with desired items, yet, far too many hunters treat hunting just that way. They want to come home with a full bag but without any time or effort spent on their part. This just is not possible. It just doesn't make good sense to invest in hunting equipment without trying to become a "good" hunter instead of a "lucky" hunter.

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Two Alaskan hunters score on a trophy bull on a wet August hunt

HUNTING ALASKA'S CARIBOU

by Wes Blair

During the late fall hunting months, the bull caribou is the most handsome member of the deer family. His antlers are magnificent. One of the largest sets ever measured stretched over sixty-seven inches along the main beam with a spread of forty-eight inches. The antlers have many points, often thirty or more that appear as foot long tines and often terminate in palmated clusters with several smaller points. About one caribou bull out of a hundred sports a double shovel which adds many points for trophy scoring.

The cow caribou is the only member of the deer family that has antlers and these are quite small, seldom over two feet in length. She keeps these

antlers until the fawns are born in late May and June. The bulls, on the other hand, shed their horns as early as November.

The bull's brown body is highlighted by a white neck ruff or mane, which trails to a pale stripe that extends across his shoulder and fades out on the flank. There are also white patches on the leg and rump. Because of their massive antlers and the blazing white neck which is much less noticeable on the cows, one can easily distinguish the sex of the caribou at long distances.

There are two species of caribou found on the North American Continent, the Barren Ground Caribou which lives on the Arctic tundra from

Labrador east to the Northwest Territory, the Yukon and Alaska. The Woodland Caribou is found more southerly from Nova Scotia across Canada to British Columbia. In addition to the native caribou found on this continent, in the late 1890's and early 1900's Old World Barren Ground caribou commonly called Reindeer were imported into Alaska to provide a dependable source of food for the Eskimo. The Reindeer is shorter, have smaller ears and horns and less white than the native caribou.

The Caribou is a good sized animal standing about five foot tall at the shoulder and weighing between two to seven hundred pounds. The Woodland variety is the heaviest with the Barren Ground caribou being about the size of a small elk or a large mule deer. The meat of this animal when taken in August or September and well cared for is rolling in fat with an excellent flavor similar to elk. By the end of September the neck of the male starts to swell and the bull, much more promiscuous than even the elk, jealously guards his harem of cows. A rutting bull has a frightful odor and the meat is no longer palatable.

WHERE TO GO: Game biologists claim that there are more caribou in Alaska than in all of Canada. One only has to view the thousands of migrating Alaskan Caribou, trekking across the tundra to believe this statement. For this reason, the abundance of caribou, the no-guide regulations, the liberal bag limit (4) and the most reasonable cost for a non-resident hunting license (\$10.00) and tags at (\$25.00), one must recommend Alaska as the number one choice for a mid-August hunting trip.

To be even more specific, the Denali Highway, which winds its way across the tundra from Paxson to Mt. McKinley Park is in the heart of the migration route of the huge Nelchina Caribou herd, with tens of thousand of caribou utilizing this vast area. It is a rare day indeed when one does not spot several small bands from the road. Meat hunters from Fairbanks and Anchorage shoot thousands of caribou within a few hundred yards of the road, however in order to make the long trip to Alaska worth while and secure a real trophy, one should get off the beaten path.

There are several flying services and lodges located on or near the Denali Highway that will pack or fly a hunting party into excellent caribou and moose country for a fee of about \$200.00. If you want to go it alone, or pack in on trail bikes, there are many trails leading into the interior that will not support the weight of a hunting vehicle, but can handle even a heavily loaded trail bike. One such trail wanders for hundreds of miles through Central Alaska's finest hunting and fishing

territory. This trail heads at 19.8 miles of the Denali and is open to anyone that cares to use it.

What are your chances of collecting a real trophy? Game department officials are constantly surveying the caribou herds by air. There are more caribou in Alaska now than ever. Last year a game biologist reported seeing several bulls in one herd near Paxson that would make the record book easily. One bull, he swore, was a huge double shovel that would take the world's record.



This small bull was snapped while feeding along the Denali Highway. (Photo by Elmer King)

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For trophy hunting in the interior, Alaskan guides use tracked or special vehicles to pack hunters and their game in and out of the swampy muskeg

The camping trip through Canada and Alaska was made pleasant by the many state and government free camping sites



SHOOTING TACKLE:

Caribou have been taken with every conceivable type hunting equipment from rocks and clubs to the most modern super magnums. I have listened to any number of stories on how much lead a caribou can take before he goes down, how tough they are to stop, yet I know an Indian family "pioneering it" near Delta, Alaska, that collect their winters meat with a twenty-two. There is no magical toughness about any member of the deer family. Any favorite bow of fifty pound pull and razor sharp arrows will down a caribou.

What is more important than your bow and arrows is the placement of the shot. Even experienced hunters, when confronted for the first time with the majestic caribou get a little watery in the knees, the adrenalin gets to pumping through your veins and the old pump is thumping hard against your chest, the bow sight wobbles all over

the animal. At best, a head, neck or spine shot is risky and under conditions of stress is almost a guaranteed miss or a wounding shot. For my money the best shot is a high lung hit, as was indicated by a recent experience.

Smitty, my next door neighbor in Fairbanks, and I were sitting next to the cherry red coal burner in his shack, playing crib and listening to the news. The local sports announcer reported that the caribou were crossing the Denali Highway by the thousands. We immediately packed our gear, drove most of the night and arrived at about twenty miles of the Denali just as the sun broke over the range of snow capped mountains. It was about four in the morning when we spotted a small herd feeding near a rust colored pot hole. The area was surrounded by rolling hills, peat bogs, willow bushes and dotted with small stands of spruce. It took twenty minutes to circle behind the main body of caribou and when we topped the hill we were less than seventy-five yards from the nearest animal. "Blair buddy," he crooned in his soft Texas drawl, you circle over there in those willows and when I open up with my rifle, them caribou will scatter. Maybe you can get a shot with your bow."

Smitty wrapped up in the sling of the beatup old 303 British surplus gun and cranked off a magazine of hulls at the caribou. Every time the rifle cracked, a big cow humped up, tottered a step or two and crumbled. When he lowered the smoking barrel of his rifle, the caribou were milling about in a state of confusion. Some ran past just a few yards away, others were making tracks over the ridge. Smitty thumbed a new batch of loads into the magazine, a huge grin creasing his weathered face.

A young bull, his yard and a half of horns laid over his back trotted past about twenty-five yards. I stepped out of the brush, drew the bow and released. The arrow sunk out of sight high over the front shoulder. The bull stepped off about ten paces and sunk to his knees, struggled to his feet and went down for good. Three cows and a yearling calf circled the downed bull, then they too drifted off into the bush.

For three hours we butchered, halved and packed the meat to Smitty's beat up green truck. On the last trip a nice young bull trotted by. I dropped my heavy pack, and drew. The arrow spun silently from the bow, clattered noisily on the eye guard of the bull and shot straight up in the air. The bull, frightened badly, reared back on his haunches like a bucking horse and took off.

Later on that year, about mid-November, Smitty and I camped overnight on Swede Lake. The



What a beautiful scene, typical of the majestic country of the Caribou. Mt. McKinley hovers over thousands of miles of free camping area

caribou were at the peak of the migration and the big bulls were everywhere. By eight o'clock, I picked out a huge double shovel bull that would surely put me in the record book. I slipped silently through the waist high willows and closed to within forty yards of the bull who was closely watching a harem of thirty cows. I started to draw the bow when the big bull snorted and took out after a young bull that sneaked into the herd. Patiently I back tracked and finally approached to within twenty-five yards when a big cow practically stepped on me in my willowy hideout. She jumped and ran, her heels clicking noisily. Moments later a decent bull wandered closeby and I settled for him.

In summary, if you're looking for an exciting, economical bow hunting trip with an opportunity to pick up one of North America's finest trophies, investigate the possibility of an Alaskan caribou hunt. It's a once in a life time experience that is well worth your time.

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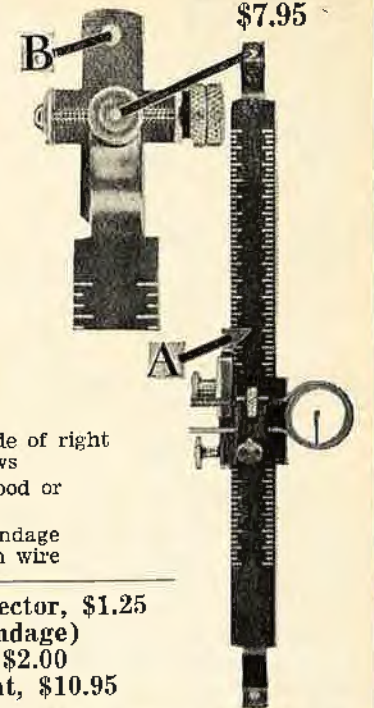
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BOARD MEETS, STRESSES WORLD TOURNAMENT FUND RAISING NEED; TENTATIVE PERMANENT SITE FOR NATIONAL PICKED; YORK, PA., TO BE '69 AMATEUR FIELD SITE; ACTION TAKEN IN MANY OTHER AREAS

Ice-cold Chicago, or more accurately the Howard Johnson's motor hotel near the city's O'Hare International Airport, was the scene January 10-11-12 for the Board of Governors' now traditional mid-winter meeting. Save for two members (Eliason, Hayes) all of NAA's administrative body was on hand, their expenses borne by themselves: the sessions began Friday evening, continued all day Saturday and ended up around noon on Sunday. Without any further yakking, here's what happened:

World Championship Tournament

At least one-third of the meeting was devoted to nailing down plans for perhaps the largest and most important single project ever undertaken by NAA—the putting on of the international archery federation-sponsored World Archery Championships, set for Valley Forge, Pa., August 12-19. A major topic for discussion was the need to raise money to put on a tournament which, in NAA President Kleinman's words, will "be a credit to the United States and an aid in building a strong image for our sport." George Helwig, chairman for the event, reported that

Pennsylvania's Department of Forests and Waters is spending \$26,000 of state money to build the field at Valley Forge, and that over \$5,000 has been spent by the state's Tourist Development Bureau to create a poster to publicize the tournament around the nation and world.

The Board passed a resolution authorizing an appropriation of \$15,800 against a total hoped-for budget of \$29,000. "We have to raise these funds in the archery community," Helwig said. The Board is urging that clubs and individuals make donations to the fund; Sylvia and George Levitt, who spoke at the meeting, called for a major effort in the selling of U.S. Team Travel Fund pins to raise monies.

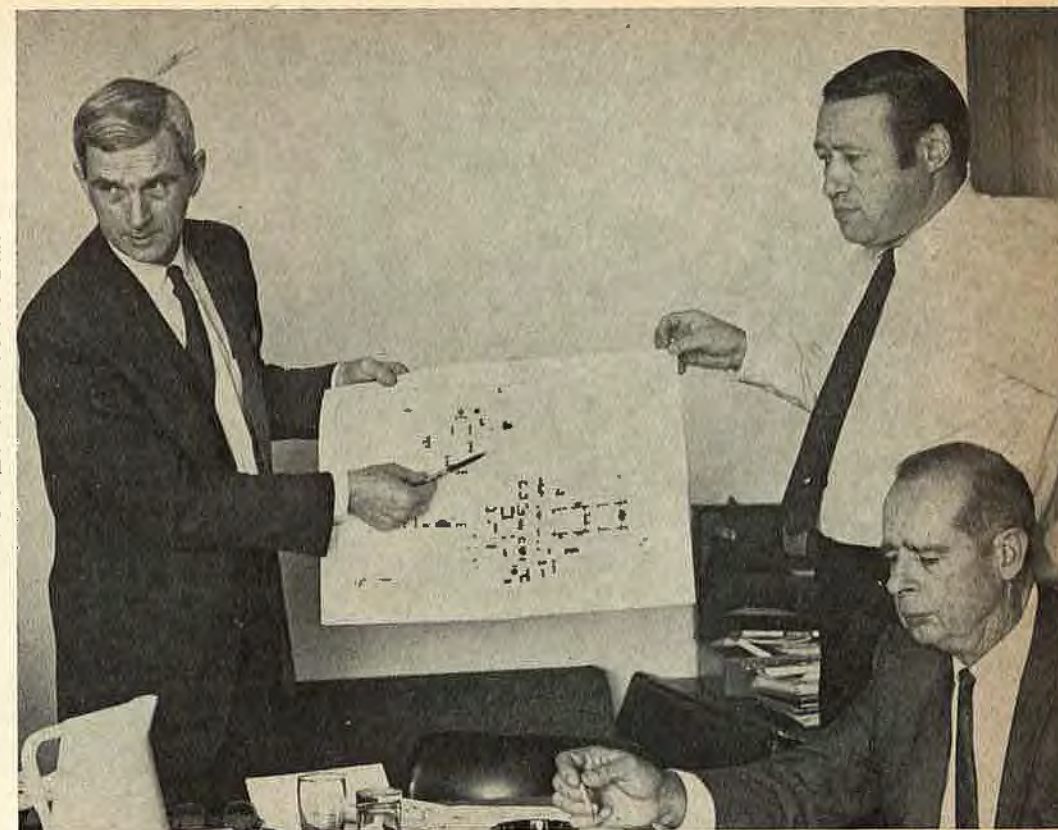
Another resolution passed in connection with the tournament authorized the retaining of publicity and public relations counsel, and a contract for this work was awarded to Henry Lee & Associates, of Baltimore. Mr. Lee, on hand at Chicago, will work closely with Bill Stump, publicity chairman for the event.

Helwig further reported that physical organization of the field was proceeding well under the direction of Ed Choyce, and that committees are being formed to handle a variety of chores ranging from score-keeping to translation. The chairman added that archers from all over the nation have been volunteering time and talents. "A few more people are needed," he said. "There are going to be close to 300 archers representing some 30 nations at Valley Forge. We've got to make this event the best-run in archery history."

FITA Resolutions

At the World Championships the FITA Congress, the body which considers changes in rules and procedures for international tournaments, will meet; the Board voted to present a number of measures for action. These include: A. Rear sights, levels and prismatic sights for the FITA rounds; B. The regrouping of archers after the first round according to score; at present, archers remain on the same target to which they are originally assigned; C. A single class (i.e., no distinction between fs and barebow) for the international field round; D. The marking of yardages in all official international hunter's round competition.

George Helwig, NAA prexy Kleinman assisting, shows the Board a map of Miami University, Oxford, Ohio; in 1970 the National will take place on the campus with a view toward adopting the location as a permanent home for the tournament. When Helwig contacted the university on behalf of the Permanent Site Committee, officials told him that they'd just pulled their NAA file—they said they wanted to invite NAA to hold its annual championships at Miami. The National took place at the Ohio school, a state-assisted college, in '55 and '60. In right foreground, Doug Easton.



As for the compound bow, the Board voted to send a bow to the international archery federation's committee on equipment. The international federation has made no ruling on the bow, and the equipment committee's report on it will be referred to federation officials for ultimate action.

Permanent Tournament Site

A committee consisting of Stump, Helwig and Ed Choyce was created last year for the purpose of seeking a permanent site for the NAA's National Championships. The place suggested to the Board by the committee will be the site for the 1970 tournament—and if it lives up to expectations, it will be considered as a permanent home for the tournament.

The site: Miami University, Oxford, Ohio, the location of the 1955 and 1960 tournaments. George Helwig, who visited the university on behalf of the committee, reported to the Board that (a) campus officials expressed eagerness to host the tournament on a permanent basis and would supply manpower and publicity back-up; (b) there are more than sufficient fields, dormitories, parking areas, eating and recreational facilities; (c) there are a number of motels and state-operated campsites close by; (d) although not in the geographical center of the country, the site, some 45 minutes from Cincinnati, is easily accessible by jet and interstate highway. In addition, there is the possibility of support by townspeople as well as university officials; both groups stand to benefit because of the annual presence of the tournament. Also, the state is heavily promoting itself as the home of the shooting sports; trapshooters, muzzle loading riflemen, rifle and pistol associations have permanent tournament sites in Ohio.

"The most basic and thus the most important

questions the Board should ask about our national tournament are these," said committee chairman Stump in making his report. "Is attending the tournament enjoyable and memorable for the NAA member? Is it convenient and comfortable for him and for his family? Are the off-field and on-field facilities first rate? Because the putting on of the National has

The National Rankings

At its Chicago get-together the Board approved the second annual NAA national rankings list and released it to the wire services: the rankings are based on scores and standings in a variety of tournaments, including the National, the Ambassador's Cup and various regionals. The Rankings Committee, which made the selections, consists of Marv Kleinman, Bill Stump and Ed Eliason. In its report to the Board, it expressed the hope that, in 1969, more regional and state tournament secretaries will submit scores for consideration.

NAA wants to know this: did the newspaper in your community publish the list or any part of it? If the answer is affirmative, would you drop a postcard to Bill Stump, whose address appears in the Board of Governors box?

MEN

1. Hardy Ward
2. Ray Rogers
3. Brian Metzger
4. John Williams
5. O. K. Smathers
6. Ed Eliason
7. Allen Muller
8. Bob Bakken
9. Dennis Israel
10. Joe Thornton

WOMEN

1. Doreen Wilber
2. Vicki Cook
3. Clela Wanamker
4. Cynthia Slade
5. Diane Vetrecin
6. Maureen Bechdolt
7. Linda Myers
8. Jane Slade
9. Kirstie Kaiser
10. Nancy Myrick

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of the

NATIONAL ARCHERY ASSOCIATION

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NAA page editor:

WILLIAM STUMP, Beaver Dam Rd., Cockeysville, Md. 21039



Bill Stamp, Joe Thornton at coffee break time: Board meeting took place near CHI in January

NAA's administrative body met for a total of 15 hours; here, doing some listening, is Clayt Shenk, NAA's secretary



been a new experience for the host club every year, we've had some rough situations for the archer and, I might add, for this Board. A permanent location is worth a try, and Miami University, which very much wants us, may be the spot." 1970 dates will be August 3-7.

1969 National Tournaments

As reported in previous issues, the 85th NAA National begins August 21 (Thursday) and winds up on August 24 (Sunday) on the world tournament field at Valley Forge. Men and women (as well as intermediates) will shoot a FITA, an NAA 900 and an American. This year, for the first time, juniors and cadets will shoot new rounds, adapted from the FITA by Ed Choyce, director for the tournament and a member of the hosting Pheasdale Archers.

The junior FITA—there is as yet no official name for the round—consists of 36 arrows at 50, 40, 30 and 20 meters; the longer distances will be shot on Thursday, the shorter on Friday. On Saturday, Juniors shoot a new Junior 900—at 50, 40 and 30 yards—and on Sunday they shoot the Junior American at the same distances. Juniors are boys and girls 12 to 15. The FITA adaptation for the Cadets has 40, 30, 20 and 10 meters for its distances; on Saturday and Sunday, the Cadets (children up to 12) will shoot a double Cadet 900—40, 30 and 20 yards.

The Board approved target fees for the '69 National, too. These are \$22 for crossbowmen, \$20 for adults and intermediates, \$10 for Juniors and \$8 for Cadets.

The second annual U.S. Amateur Field Archery Championships will take place June 14-15 at the range of the York Archers, near York, Pa. Members will receive a mailing with full details. To allow time for travel, the scoring for the international hunter's round

will begin Saturday at 1:30 and the field is set for Sunday morning.

U.S. Team Tryouts

For target, as previously announced, the site for the double FITA tournament to select the four men and four women who will represent the U.S. at Valley Forge is St. Louis. The dates are June 21-22; entry fee is \$20. May 26 will be the deadline for registration. In a recent issue, there was a thorough run-down on eligibility for the event.

The Board named Harry Gilcrest to be U.S. Team captain for both the target and field events. Gilcrest, a top Ohio high school football coach and long a top NAA archer, captained the '67 Team. Named alternate captain-assistant captain was Joe Thornton.

The tryout tournament to select a squad for the first official field archery event in the World Championships will take place July 12-13 with a June 18 registration deadline; at press time, no site had been pinned down.

Ambassador's Cup Matches

This event, in its fourth year, takes place in Canada for the second time; the site is Joliette, near Montreal. Although the tournament is set for early September, no dates have been determined. Coordinator and team captain will be Lura Wilson. At the Chicago meeting, the Board determined to try to transform the tournament into an official, international archery federation-sanctioned North American Championship, with Mexico participating.

As reported earlier, members of the three man-three woman team will be those archers shooting the highest scores at the National; this year, both intermediate boys and girls will shoot the same rounds as adults at the National, meaning that they can make the team if their scores are in the top three.



Henry Lee, talking, will handle publicity for the World Championships



Joe Thornton, Bill Lowry



In the middle, Board member Lura Wilson; at left is Mary Lowry, at right Helen Thornton

FITA Star Tournaments

Under international federation rules, each member nation is permitted to designate ten events as FITA Star tournaments each year; NAA members competing in a FITA Star can win the federation's 1000, 1100 or 1200 pin—and set world records. The tournaments: 1. NAA National. 2. U.S. Team Tryouts. 3. Eastern Archery Association (July 1). 4. Brown County Open (May 31). 5. Auroraland, Ill. (May 17). 6. Pennsylvania State (Aug. 30). 7. Indian Capital Archers, Tulsa (in May). 8. New York State (July 12). 9. California State (Aug. 30).

And Plenty More, Too . . .

An excellent report was received from Margaret L. Klann detailing the All-American Archery Team program; the report, accepted in full by the Board, details procedures for selecting college archers for the honor. Collegians or their faculty advisors would do well to study the report, available from the program's chairman. She is Miss Lorraine Pszczola, San Bernardino Valley College, San Bernardino, California 92403.

The 1969 Nominating Committee, which has the task of selecting candidates for Board of Governors vacancies—the candidates stand for election at the NAA annual meeting, held during the National—were named. They are Margaret Klann, Arizona State University, Tempe, Arizona 85281; Ed Choyce, 48 E. Third St., Lansdale, Pa. 19446, and Mrs. Ardelle Mills, 16811 Scenic Lane, Minnetonka, Minn. 55343. If you have suggestions for nominations, give them to one or all of these committeemen; Ed Choyce is chairman. Each candidate should write a letter outlining his background and expressing his willingness to serve and attend Board meetings.

The Archery Games Committee of the United States Olympic Committee is going to become increasingly important—it's the body which will prepare for our Olympic effort in 1972. Chairman of the Games Committee is Clayton Shenk, and in this capacity he is a USOC director. At Chicago, the Board named four NAAers to the committee—Harry Gilcrest, George Helwig, Dr. George F. Hoffmeister and Margaret Klann.

And the Board: 1. Expressed, to his widow, the sadness of NAA upon the passing of Kelly Wheatley, Cincinnati. 2. Voted down a resolution, offered by Bill Stump, to adopt the AIAA 20" blue indoor face as an official replacement of the black and white 16" face for the NAA Indoor 300 round. 3. Discussed possible replacements for the editorship of the NAA pages; a report on this is expected to be forthcoming shortly. 5. Named Joe Thornton to head a committee to seek a site for a 1970 NAA indoor championship tournament; the Board wants a building in which the NAA 900 can be shot. 6. Approved a suggestion by Bill Stump to circulate a questionnaire to all NAA members which would catalogue talents (and a willingness to apply them) in order to make better use of member skills.

Qualifier Tournaments For Field And Target Set For May And June

Four more clubs have registered qualifier tournaments with NAA at \$25. The money goes into the U.S. Team Travel Fund; archers who shoot the required minimum scores are eligible for the U.S. Team Tryouts. The tournaments: May 4, York, Pa., target; May 11, Lancaster, Pa., field; May 18, Pheasdale, Lansdale, Pa., target; June 18, St. Louis, target. See Feb. issue for Qualifier Tournament info!

The Editor's
Tackle Box

School For Instructors

There'll be a ten-day instructors' training session June 13-22 at Stone Valley, Pa., a recreation area of Pennsylvania State University. People completing the course successfully will be designated as NAA Certified Instructors. Running the show this year (it'll be the second year for the school) will be Mrs. Patricia Baier and Mrs. Julia Bowers, both of them phys-ed specialists. Bill Bednar also will be on hand. For full information about attending the school, contact NAA secretary Clayt Shenk.

Intercollegiate, Interscholastic

College archers still have time to enter teams in the 40th annual NAA Intercollegiate Mail Match; the event, open to men's, women's and mixed teams, gets underway April 7. Better hurry and write Lucile Schneider, Drexel Institute, Chestnut at 32nd, Philadelphia, Pa. 19106.

The 30th annual NAA Interscholastic, also a mail-in-the-scores event for teams, is soon to begin: to get all the dope, write to Mrs. Lura Wilson, Box 462 Stillwater Rd., Greene, N.Y. 13778.

The Place Is Tempe, Arizona

The dates are May 2-3, and the event, of course, is the second U.S. Intercollegiate Championships—surely to be one of the best and possibly one of the really significant tournaments of the year. Archers from colleges all over the U.S. will be attending. If you're a college archer (or if you know one) we urge you to get the information and registration packet from the director—Miss Mragaret Klann, Women's PE Dept., ASU, Tempe, Arizona 85281.

Southwest Regional

That same Arizona State University was the scene, on January 4-5, of the NAA-registered Southwest Regional. Six states were represented, and 105 archers; three American rounds were shot. Winner for the men

Eastern Junior Olympic Tournament Set For Marysville, Pa., In May; JOAD Clubs Urged To Buy Handbook

BY GEORGE HELWIG
(Chairman, Junior Olympic Program)

Here's a great opportunity for Junior Olympic Archers in the East—there'll be a Junior Olympic tournament at Marysville, Pa., on May 24. That's a number of weeks away, but it'd be good for you to make your plans to attend the event, which is being sponsored by the Marysville Lions Club. Marysville is a few miles north of Harrisburg. For registration information, write to the NAA secretary, whose address is found on page 20.

Our JOAD office in Cincinnati gets asked an awful lot of questions about archery, many of them technical. One young lady, for example, asked what weight bows should be purchased for her new Junior Olympic Club. Because I didn't know the ages of the youngsters, this was difficult to answer. So my suggestion to Junior Olympians and their advisors is this—order, at \$2 a copy from the NAA secretary, the NAA Handbook. It contains a wealth of information about every aspect of archery, and it includes the NAA and the FITA rules, too.

was Phil Trafton, the UCI.A student who won the SW Intercollegiate a few months back; his line was 722/752/750. Karl Radde was runner-up with 701/748/766. There was a strong men's pro div, and Ken Ostling of Bloomington, Cal., shot an amazingly good 772/772/782 to take it; runner-up Chuck Holland had a 790 for one of his rounds. For the amateur women: Donna McQuin (664/670/714); Sue Loftis, Kirstie Kaiser. There were 16 intermediate girls, and the winner was Carrie Tamarin. Mike Allard, 13, was top inter boy; his highest American was 715, and he had two six-golds at 60 yards. (Shooting at the 20" AIAA face last fall, Mike averaged 93 for 45 games)

The Dixie Open

The archery div of the Mecklenburg (N.C.) Wildlife Club is holding an all-events jamboree called the Dixie Open May 3-4. It sounds great. There'll be a single American. Write Ken Stone, Rt.9 Box 362C, Charlotte, N.C. 28208 for a brochure.



TINSLEY TALKS
By Russ Tinsley

I know a man who gets the game he goes after as consistently as anyone I have ever met. It makes no difference whether he's hunting Alaskan brown bears or moose in Canada or white-tailed deer close to his Texas home, he rarely returns empty-handed. His envious friends call him lucky. Perhaps he is, but it is planned luck. It is simply a matter of preparation meeting opportunity.

The secret of his success, he says, is that he spends more time organizing and planning a trip than actually hunting. If he's planning a trip to Wyoming for mule deer, for example, you can find him weeks before his departure sifting through heaps of literature he's obtained. When he's ready to enter an area he probably knows more about it than the people who live there.

No trip, may it be a far-away journey to Alaska after bear or just a weekend campout near home, can be over-planned. The more knowledge the outdoorsman has, the easier his task becomes. This "knowledge" may derive from various sources: through correspondence with someone who lives in the area to be visited; by talking with acquaintances who have been there; and by obtaining all the printed materials available on this particular locale. The latter is one of easiest and best. Much has been written about every region both in the United States and abroad and it is available to those who know where to seek it.

Lots of this printed matter is free. If a person was planning a hunting trip to a nearby state and it was his first trip into the

YOURS FOR THE ASKING

area, the rudimentary approach would be to write that state's game and fish department for everything that was available. This is true even in your own state, to keep abreast of current happenings and regulations. Laws change periodically and it is the wise outdoorsman who is aware of such changes.

I remember a trip to Nebraska some friends and I took a few years back. Winston Burnham killed a buck with his bow the afternoon we arrived. It was a week-long trip and if he hadn't been prepared Winston would have idled his time around

camp. But we'd checked the Nebraska game laws before leaving Texas and Winston had the foresight to pack a shotgun, just in case someone did get a deer and found himself with time to burn. Seasons on grouse, prairie chickens and ducks were open and Winston spent the remainder of the week bird hunting and keeping us in fresh meat.

A booklet that no hunter should be without is Winchester-Western's Hunting Compendium for the United States. This pocket guide is published in late summer and it includes forecasts on hunting in the different



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Mail to NAA, Ronks, Pennsylvania 17572

regions and a state-by-state run-down of all the current hunting laws and license requirements. You can get a copy by sending two-bits to the Winchester News Bureau, Olin Mathieson Chemical Corporation, 460 Park Avenue, New York, N.Y. 10022.

Each respective state also publishes a pamphlet of its hunting laws in late summer and no hunter should visit a state without having his copy. (Incidentally, Winchester's Hunting Compendium also lists the addresses of all the different state game and fish departments, which is a handy reference to have in your files.)

I'm acquainted with a man who traveled to Canada a few years back to hunt moose. He'd allotted 10 days for his journey, with about a week of this for hunting. Incredibly, he arrived a week before the season was to open and had to turn around and come back home. He'd been told by a friend when the season was to open and he hadn't bothered to check further. Undoubtedly he won't make the same mistake again.

Another man I know went to Alaska on a hunting trip and,



If you've done your planning, there will be success and time to relax and truly enjoy the trip

upon his arrival, ruefully learned that to reach the game he'd have to make a fly-in trip. The cost was \$100. He'd budgeted himself so tightly that he didn't have an extra cent to spare. So he hunted in an area accessible by automobile and saw nothing. He'd driven all the way to Alaska and back for nothing.

The wise hunter, if he can afford it, hires an outfitter or guide. This man knows where to find game and how to get it. But there are good guides and bad ones. The state's game and fish department should be able to furnish a list of the reputable ones. But before you make a down payment for the guide's services, ask him for one or two references, people he has guided in the past. Any topflight guide gladly will furnish these names. Write to them and check on the guide's ability. It may mean the difference between a successful hunt and a dud.

But perhaps it isn't a hunting trip you're contemplating. Maybe it is only a vacation trip where you and your family will be camping out. Learn something about the area you intend to visit. Write the state's travel bureau, the community's chamber of commerce, and, above all, obtain a list of available campgrounds in the area. Often one campground will be crowded while one nearby is begging for customers. There is a myriad of camping material available for the person willing to go after it.

The U.S. Forest Service, for instance, publishes recreational booklets covering national forests in the various regions. Write the U.S. Forest Service, Department of Agriculture, Washington, D.C. 20250, and give the name of the forest or forests you are interested in and this agency either will forward a booklet covering these forests or will supply the address of the

regional office which has jurisdiction. The "Recreation Guide to Southern National Forests" is typical. This booklet covers national forests in Alabama, Tennessee, Kentucky, Florida, Virginia, Georgia, Louisiana, Mississippi, North Carolina, South Carolina, Arkansas and Texas. The various forests are listed along with campgrounds in each forest. What is available in each campground is explained, along with explicit directions on reaching the campgrounds.

In all, there are 154 national forests in the United States.

For 25 cents you can obtain a brochure of the National Park Service which gives the low-down on all recreational facilities in the 50 states. This can be ordered from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. The title is "Camping in the National Park System."

Some other informative booklets from the same source include: "National Forest Vacations" (30¢); "Camping" (20¢); "Backpacking in the National Forest Wilderness" (15¢); "National Park System" (40¢); "National Forest Areas" (15¢); (30¢); "Appalachian Trail" (5¢).

Each respective state also has a camping guide. Some include only state parks and facilities; others are more complete with listings of national, state and private campgrounds. These are free.

The largest private chain of campgrounds is the franchised Kampgrounds of America (KOA), with more than 200 sites scattered across the United States. You can obtain a guide of all KOA campgrounds by mailing two-bits to Kampgrounds of America, Inc., P.O. Box 1138, Billings, Mont. 59103.

Safari Camps of America is another chain. A guide of these

sites is available free from Safari Camps of America, Inc., Eastgate Plaza, Columbia, Mo. 65201.

Reservoirs built by the U.S. Corps of Engineers come under jurisdiction of various Army engineering districts. You can obtain the address of the district for any specific lake you are interested in by writing Department of the Army, Office of the Chief of Engineers, Washington, D.C. All these reservoirs have abundant camping facilities. A recreational map is available free for each project, showing the location of campgrounds and what facilities are available at each one.

Campground information for any specific indian reservation can be had by writing the Bureau of Indian Affairs, U.S. Department of the Interior, Washington, D.C. 20240.

Some private or industry forests also are opened to hunting and camping. If you are interested in any particular tract of land, you can write directly to the company involved or to the American Forest Institute, 1835 K Street N.W., Washington, D.C. 20006.

This is just a partial list, of course, but it gives an inkling as to what is available for the person willing to dig for the information. The supply almost is unlimited. So if you're planning a trip of any kind, for whatever purpose, get to writin'. The time spent will be an investment you'll never begrudge.

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BOWHUNTING BOWHUNTING

with the Dutchman
By H.R. "Dutch" Wambold

AN ODD BUCK OR TWO

Distant land's big game Trophies can be hunted
on back door safaris

HANDSOME TROPHY—A mature Fallow buck with an impressive set of antlers falls to Dilly's well-placed arrow. Fred Herman on the right rests a swollen right hand on the buck's head resulting from turning a Fallow buck's charge at a previous hunter



"I'll take bets that Dutch winds up shooting the wrong buck!" Fred Herman who owns and operates Pigeon Hills Hunting preserve kept giving me the needle as three of us glassed a group of Fallow Deer below on the side hill. There were two outstanding buck in the herd. One all white buck with an impressive set of antlers, tall and wide in spread; a black Fallow that ran a close match, and—there was the buck I wanted! Heavy palmation on each beam, rear points, and the left antler sort of squared on the top end. This would be the distinguishing feature by which I could recognize that buck.

Turning to Herman as I dropped my binoculars, I replied to his friendly joshing, "I think I got my buck marked."

When local hunting seasons are over, and you have recently returned from cruising the bogs of Newfoundland without filling your moose tag, it sure is hard to shake the fever. The months that lay ahead remind me so much of the old grizzly that waits for the first snow to crawl into hibernation until the wild turnips start blooming in spring.

Bob Stansfield also must have had a hard time facing the long winter months ahead, for his phone call was short and sweet—"Let's make a day's hunt at Pigeon Hills and get a Fallow buck!"

In the process of having a new archery shop built, Bob informed me that he would be bringing another bowhunter along who also was interested in a good Fallow buck. It was his contractor, an avid bowhunter name of Herald Dilmore. Dilly and Bob had hunted Newfoundland without success a year or so ago, and Dilly wanted to meet the guy who seduced the bull moose in so Bob could shoot it.

The patter at the breakfast table at the lodge on the morning of the hunt followed the same pattern as usual with Herman complaining about the toast and yelling for jam to get his wife Lottie's dander up.

Lottie, ignoring Fred's heckling, kept bringing in fresh sausage and eggs until everyone had ample ballast to keep from stepping too high during the first hours of the morning's hunt.

"Well if you guys have all your gear, and if you can make it out to the jeeps, we'll go over to the preserve. You got plenty of arrows Dutch? How about you Bob? I can't say much about Dilly until I've seen him in action, but I sure hope he can shoot better than you two!" Sticking his head back in the door of the lodge, and making sure all of us heard him, he yelled, "Hey Lottie, you might as well prepare a cabin for these characters—they'll never get their deer in one day!"



EXOTIC BEAUTY—Bob downs a Mouflon Ram to add to his collection of bowhunting trophies

Picking A Trophy

Fred's policy is to have the hunter spend a little time at the start of the morning's hunt just looking over the game he wants to try for. "This helps to settle many of the bowhunters, and I want a man to enjoy the day here. If the kill is made too early in the morning, I feel that the man was not given his money's worth."

If the trophy being hunted is a Wild Boar, it may take an hour or better to find the tuskers. After locating the pigs you look for a good set of tusks. With the use of binoculars this can still take some time, for the boar keep on the move in and out of thicket and timber. When the jaw is held shut the tusk is hard to spot, for the upper guard plate hides most of it.

OLD SQUARE-TOP—A handsome Fallow buck is taken by the Dutchman and his Ben Pearson take-down bow





UNUSUAL TROPHY — The flowing chest flume of the Auodad ram and the sweeping horns make it a coveted bowhunter's trophy. A Mouflon ram steps behind the tree on the right, while in the far left rear is a Karukel ram

All three of us, having taken boar on previous bowhunts, pussy-footed past several bedded in the jackpines. "Hold it?" The deer ahead turned out to be Sikas with their slender antlers and dark brown bodies.

Crossing another ridge we spotted a bunch of goats in the draw below, and across in the tall timber stood several Auodads watching us intently. The light tan coats, cream colored flumes on their chests, and the full sweep of the massive gray horns were impressive. Also called the Barbary Sheep, this animal, found only in the northern parts of Africa, makes an outstanding bowhunting trophy. All three rams were medium size of about 160 pounds. An old ram can crowd better than 250 pounds, and sport a really impressive set of horns.

After admiring the sheep for several minutes, we worked towards the upper end of the far ridge still looking for the Fallows. It was my chance now to turn the heat on Fred Herman as I remarked to my two companions, "These deer must be so skinny you can't see them standing behind the trees!" Fred held out a restraining hand—"There is one of the nicest trophies a bowhunter can hang on his wall." Ahead were two Mouflon rams eyeing us cautiously.

A native of the rugged Corsica mountains, this ram sports a colorful shaggy coat of blacks, browns, and whites. The horns curl tight along the

head, and are broomed similar to our mountain sheep. "That would look good in your shop, Bob." Fred's words had Bob studying the rams at length with his glasses.

"You sure you got some Fallow in here, or did they hole up for the winter?" Dilly was now joining the friendly banter as we spooked a bunch of Catalina Goats out of the thick brush next to a small creek along the bottom.

"Deer up ahead!" Bob had spotted them. "That's what we are looking for" Fred replied. There were seven or eight head in the timber, and another big white buck watched our approach.

"That's a mighty good white buck" Dilly mused as we studied the various heads. "Let's work around them and see if some others may be around the cliff." We followed Fred up through the jackpines circling the watching deer. Stopping on the edge of the cliff we looked down into the thick brush at the edge of the swamp—there, we spotted three sets of antlers.

I marked my buck by his squared top on the left antler. While Dilly was interested in a dark chocolate buck to the right of mine. "Go get him Dilly." I settled on our high vantage point with Fred to watch the stalk. Bob followed Dilly with the movie camera to film the action.

The circling route to get downwind of the deer took some time. We could see the deer getting



PERFECT PROFILE—Smaller buck in front steps into line spoiling the Dutchman's chance to nail "Old quare-top" on the first stalk



JAPANESE TROPHY—A small Sika buck poises for flight as the camera records the slender antlers and small-muzzled head



SHAGGY BEAUTY—A shaggy-haired Catalina sporting a good set of horns watches an approaching stalker

nervous as the hunter closed in. "Those deer are going to break right up this side—you might get a crack at your buck, Dutch."

Several of the deer started across below and up the side about 40 yards from where we were sitting. Dilly and Bob turned to cut off the chocolate buck. Dilly came to full draw as the buck bounced across a narrow jeep road and up the side.

We watched Dilly make a beautiful running shot at about 35 yards, and although we could not determine where the hit was from above, we saw the buck stumble, recover, and bounce over the top into the timber.

Meeting on top, we found a good blood trail. "It looked like I got him right in the base of the neck" Dilly explained as we started tracking across the flat. Losing the blood trail momentarily, Fred and I doubled back in the timber when Bob called, "Here he is!" Dilly's buck had expired about 100 yards from the hit.

The tall set of antlers were somewhat like a miniature elk. The razorhead hit dead center of the neck swollen with the rut. The carotid artery had been completely severed, and death came quickly. We dressed the buck, snapped a few pictures and hung the carcass to cool.

"If you guys promise not to eat too much, we'll run back to the lodge for lunch. Lottie just about has the table set by now." We were surprised to find that the morning has slipped by unnoticed. Bob grinned as he grumbled, "All a guy does down here is eat."

After putting away some roast beef and mashed potatoes, we savored some of Lottie's home-made cherry pie for dessert. The family-style serving found us groaning with gastronomical delight as we topped the meal with another cup of coffee. "If you guys think you can still make it, we'll get back after that buck Dutch thinks he can hit. I still think

he can't find the right buck again." Dilly grinned as he added, "He might shoot the white one by mistake!"

A half hour after returning we found the buck I wanted. I made a careful stalk, got into position, and started my draw. A small spike buck stepped in the way, and my deer spooked!


Another stalk found me working out the side of a ridge where the deer were watching in heavy timber. The shot didn't suit me, and I watched the buck run across the bottom and into the jackpines.

"You gonna shoot that buck or stab him Dutch? Did you fellows see how close he was to the buck? Sure you don't have buck fever?" I laughed at Fred as I started across the bottom and around the point figuring on heading off the deer. There the buck stood in some heavy thicket! I worked in slowly, picked an opening and loosed my arrow. The hit was a mite too high behind the front shoulder, and the buck ran through the swamp.

Working around to the ridge at the other end, I spotted the buck in the small timber. I closed in as fast as permissible, saw my chance, and put another arrow into the buck so close to the first shaft that I heard the two heads strike inside. The buck collapsed.

"By darn you finally got him Dutch, and the right one at that!" Fred slapped me on the back and we set about dressing out the buck. As we hung the carcass up to cool, Fred turned to Bob—"you going after the white one?" Bob handed me the camera, checked his bow quiver, and said, "Let's see if we can locate those Mouflons again, I want to take another look at them."

We spotted the two rams along the edge of a ridge, and Bob looked them over with his binoculars. "The one on the right is the better of the two, Bob." Turning to Fred, Bob replied, "I think I'll give it a try."



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Dilly and Fred stayed behind as Bob moved around through the timber with me tagging along at a respectable distance with the camera. Working in favoring the wind, Bob got within 50 yards before the lesser ram spotted him. I

switched to telephoto lens and framed the sheep just as Bob raised his bow.

The shot was perfect, the ram staggered over the side. Bob followed the ram, and I got to the top of the ridge just in time to film Bob dropping the ram with a second arrow!

It was a few minutes after four in the afternoon when our hunt was completed. We brought the one jeep into the grounds to pick up the two bucks and the ram.

Another hour had the two deer skinned, caped, and meat cut into quarters neatly packaged in plastic bags for the trip home. Bob's Mouflon ram was carefully skinned for a full rug-mount while we shed our hunting clothes and washed up.

Lottie had hot coffee and some sandwiches ready for us, while Fred kept telling her how I had to run my buck down to get it. She shut Fred up when she told me how he missed a wild turkey at 50 feet during the hunting season—sitting at that!

Finally we shook hands and said goodbye and headed home. It had indeed been an action-packed day resulting in two chocolate Fallow bucks that tipped the scales at about 150 pounds each, and a full curl Mouflon ram. Three exotic big game trophies from across the seas, and we took them all in a one-day back-door safari! I got home three hours after leaving Pigeon Hills, and Bob and Dilly were back in New York state in five hours.

Come to think of it, that Auodad would make a nice trophy mount, and it will be a long winter!

ON THE SHOOTING LINE

by: F. A. ROSSIE

The whistle blows, and a voice rings out, "this End is for official score." How do you approach the Shooting Line?

It is natural to be nervous, and to have that *tension* in the stomach. Everyone who hears the whistle feels it: that sensation you have experienced before; that moment of panic before you made your first public speech; or that fear of forgetting the lines in a play and, yet you sensed that moment of security when you started speaking; and in the play, everything went along beautifully—not a hitch. Nevertheless, there is always that moment of uncertainty when the whistle blows.

This lack of confidence has always been felt before any endeavor of great accomplishment. This is the Moment of Truth. This is the Moment of Reflection. This is the Moment of Fulfillment of those long tedious hours of perfecting your technique.

This is not the time for self-doubt: "self-doubt is caused when one is involved with some other person whose praise or blame seems unduly important; or when we set a goal of perfection for ourselves and then conclude that it is unattainable."

But, this is not the time to doubt. You have faith in your equipment. You have spent hours checking; it is clean and matched perfectly. It is ready; its performance is excellent. You have mastered each step in your shooting procedure; you have proved its reliability in your practice you have tuned and perfected your technique; and session. There is no room for doubt.

This is the time for Faith; not the time for doubt. You have done a critical analysis of your technique—step by step, tried and proven. The whistle blows. You concentrate. The equipment is ready. You are ready. You go through your planned steps. Everything is shut out—just you and the Gold. The arm is right; the anchor checks, the aim is true, the release smooth, and the follow-thru right and relaxed. Now . . . check the arrow . . . a GoGid! Your concentration, your hours of critical practice, and your faith have paid off again.

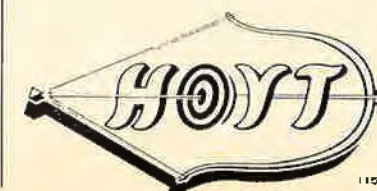
The best way to have this Faith on the Shooting Line is to concentrate on each arrow. Your technique will fall in line—clicking down each step and procedure. If you are doing your best, you won't have time to worry about failure.

The whistle blows . . . "this end is for official score." You approach the Shooting Line with Confidence and the anticipation of a true champion.

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1st — Men's FS Am.
2nd — Men's FS Am.
3rd — Men's FS Am.
4th — Men's FS Am.
1st — Women's FS Am.
3rd — Women's FS Am. | 1964 N.A.A. Mail Match
1st — Men's Chicago Round
1st — Men's Olympic Round |
| 1967 N.A.A. Rankings
1st — Men
2nd — Men
4th — Men
6th — Men
10th — Men
2nd — Women
4th — Women
9th — Women | 1964 Australian N.A.A.
1st — Men's Target
1st — Men's Field
1st — Men's Coust |
| 1967 N.F.A.A.
1st — Women's FS Pro.
1st — Women's FS Am.
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1st — Men's |
| 1967 N.A.A.
1st — Men's FS Am.
2nd — Men's FS Am.
3rd — Men's FS Am. | 1963 N.F.A.A.
1st — Women's Inst.
1st — Intermediate FS
1st — Intermediate Inst.
1st — Juniors FS |
| 1966 International Open
1st — Men's FS Pro. | 1963 N.A.A.
1st — Men's Pro. |
| 1966 N.F.A.A.
1st — Men's FS Pro.
2nd — Men's FS Am.
1st — Women's BB Pro.
2nd — Women's BB Pro.
1st — Women's FS Am.
2nd — Women's FS Am.
1st — Boys' Inter. FS | 1962 N.F.A.A.
1st — Boys' Inter.
2nd — Men's Inst. Pro.
2nd — Women's Inst. Pro. |
| 1966 N.A.A.
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3rd — Men's FS Am. | 1962 N.A.A.
1st — Men's
2nd — Women's |
| 1965 N.F.A.A.
1st — Men's FS Pro. over 55
1st — Men's BB Pro.
1st — Men's FS Am.
1st — Women's FS Am.
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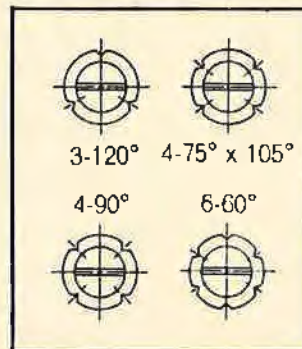
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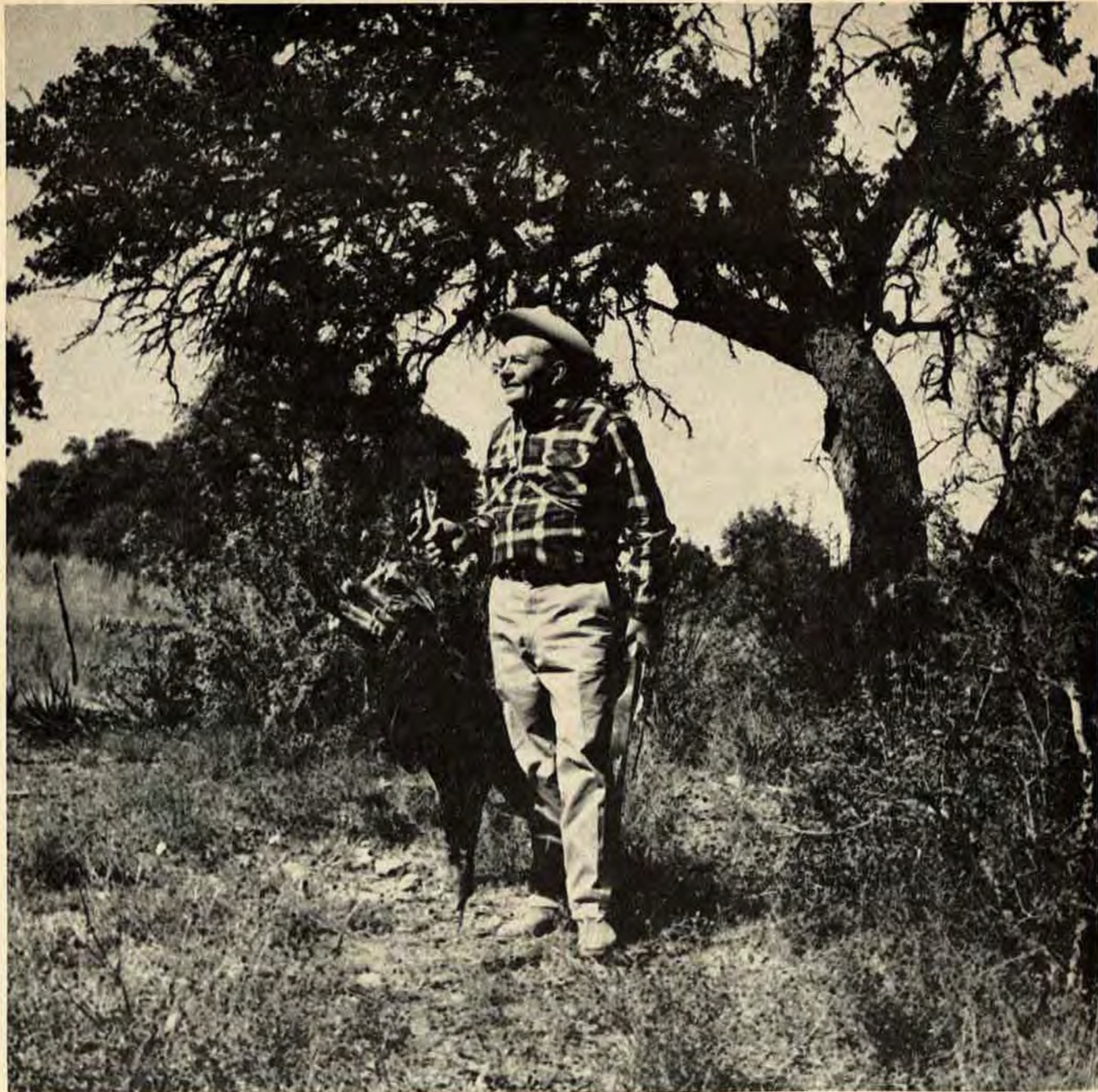
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Ever the dub archer, I bumped into a gobbler that was almost too easy—but I was far from disappointed

SPRING TIME IS TURKEY TIME

by: BYRON W. DALRYMPLE

"What a bird" Dick Wilson murmured. "Looks like its beard drags on the ground!"

We were looking at a real old he-tom of a wild turkey and Dick was plenty excited.

"Sometimes," I kidded him, "a gobbler with a beard that long throws it over his back when he runs, to get it out of the way so he doesn't trip."

Dick Wilson, as most readers of ARCHERY WORLD will know, steers the fortunes of the Archery Division of Shakespeare Co. in Kalamazoo, Michigan. In line of duty he must annually make many hunting trips and try the art of archery on numerous trophies. This way of life probably sounds awfully sad to many a reader, but somehow Dick seems to bear up, although the process induces numerous "shook up" times for him—as was the case right now.

The gobbler, largest of a group of five mature turkeys of the Rio Grande subspecies, was feeding along the side of a ridge some seventy-five yards distant. Dick and I were hunkered behind a clump of low shinoak. The birds were wholly unaware of us. They were picking up acorns from beneath some small liveoaks. In Texas, where we were, this is a favorite turkey food. What had me worried right at that moment was Dick's eagerness. Patience is what a turkey hunter must have more of than money or brains, regardless of his hunting weapon. Archery doubles the need. Hunting gobblers with bow and arrow is a hideously difficult sport. But that's where the challenge comes in.

I said, "We aren't going to run 'em down, I can promise you that. Let's see which way they're going to travel."



The pickup coach is a great hunting camp—it sneaks in, allows quick movement to find the game

I was acting strictly as a guide. To be sure, I hoped maybe if Dick was successful I could give it a try myself. I am not exactly the world's greatest archer. In fact, as an old-line rifle hunter who has doubled in bow-&-arrow off and on for some years, I am perhaps the classical dub. This, however, does not detract from the enjoyment. But in this instance Dick had come down from Michigan at my urging to see if we couldn't get him a Texas gobbler. I have killed a good many wild turkeys, and I was going to try to pass along a few of the things I'd learned about this hunting. In turn, I intended to steal by observation, all of Dick's technique that I could.

This hunt, incidentally, was taking place in fall. Texas does not at present have a spring turkey season. However, if I were going to recommend a time of year for archers to hunt turkeys, I'd select spring. It is first of all a lovely season to be out and a time when few other hunting seasons are open anywhere. Second, although most of the general "how to" to be used in spring will also be valid in fall, spring does give the hunter a small break; gobblers now are after mates, and will come to a call imitating a flirting hen.

It is interesting to note that some years ago everyone believed the wild turkey was on the way to extinction. It was gone from almost all of its original haunts and was dwindling in its remaining strongholds, chiefly in the south. Today, so well have game biologists learned the facts about turkeys and the techniques of restoration and successful transplant that the wild turkey is truly thriving almost literally border to border and coast to coast. Many areas and states where wild



This gobbler is on his way answering a call during spring season. Calling gives an archer a great advantage if he learns to do it expertly

turkeys never previously roamed are now holding open seasons. And, more and more states are joining the shift to spring seasons.

In some there are *only* spring seasons. In many there are seasons both spring and fall. Turkeys are highly polygamous. Removing a few gobblers in spring does no harm to the flocks. No archer has to travel far nowadays, as he once might have, to try this challenging sport. There are 30-odd states now with turkey seasons one time or another. Even Michigan, Ohio and Wisconsin are offering them. California is having experimental seasons. Virtually all of the Rocky Mountain states offer turkey hunting, most of the plains states do and the entire south and most of the east have turkeys to offer. Again, I would recommend a spring hunt for the reasons given, even though Dick and I were hunting in fall. There are so many states open in spring now that a selection of one is easy.

We lay watching those gobblers for fifteen minutes. Wild turkeys are for the most part rather direct birds. On some ranges they have quite distinct daily routes that they follow, with some deviation of course. On others, particularly where roosting sites are many, so they may travel and feed and then select whichever roost spot happens to please their whimsy, they may roam quite widely. But, when set on a general course, unless something disturbs or intrigues them unduly, they will keep going.

These gobblers, when they started moving again, were a good example. They came down the side of a ridge and walked along headed across us to the left. Here a fairly steep canyon cut the country side.

"I doubt they'll go down into the canyon, Dick," I said. "They'll most likely stay on the slope and feed *around*, coming to the canyon head. There's a little seep there and I'd bet they'll pause for a drink and then go right on around. If we go back out of sight and hurry up to the seep, we may intercept them."

"Why don't we try to call them?"

I shook my head. "Not in fall, and when they're undisturbed."

Calling, for those who may not have hunted turkeys, is not effective in fall, except that occasionally a lone turkey will come looking for friends. In fall turkeys travel in groups made up of hens, of young gobblers, and of old gobblers. The groups consort very little. A group that is flushed can often be called back together again. You simply hide where they were scattered and keep very still for ten or fifteen minutes, then call very softly and not too much. Rather often one and then

another will answer and come right to the spot. If the scattered turkeys are old, mature gobblers, however, they sometimes are just too smart to fall for it.

I was explaining this to Dick as we dropped back behind the ridge and walked hurriedly around to take another stand by the seep. "The best thing to do when you scatter a group of old gobblers is hide and remain still. If one talks behind you and another in front, let 'em call each other. They do it better than you can"

Spring of course is the wonderful calling time. Then you try your best not to disturb the turkeys. You listen for a tom gobbling far off or for hens talking. Get in between talking hens and a love-hungry gobbler and you are in business. You can call a bit then and sometimes have him all but run over you. Otherwise when you have a gobbler spotted by sight or hearing him gobble you press in as close as you dare—maybe to 100 yards—and get under cover. Call sparingly. If he answers he may come fast, or slowly. But if he doesn't reply, don't be in a rush to leave. He may move in silently, perhaps suspicious but still too interested in hens to use his better judgment, and suddenly there he'll be right in your lap.

It was now my turn to learn something from Dick. He had on a camouflage suit. I tried to get him totally hidden about fifteen paces from the watering spot in thick brush. But Dick wouldn't have it. With motions he indicated to me something any archer should know—which I hadn't considered. The prime requisite is room to operate the bow. It does no good to get a turkey in shooting range and then have to flounder around trying to draw. Guns can be poked through brush. But drawing a bow is something else.

Dick quickly selected a spot behind a single small bush. He pulled on a headnet an excellent piece of equipment, and got the bow into position with the lower tip resting gently on the ground. I had already pointed out to him where I *thought* the turkeys should appear. He was pre-aimed as well as it could be done with bow and arrow. I now withdrew and crawled into the dense brush clump and the dramatic agony of the waiting began.

Twice I glimpsed the gobblers. I was not sure whether or not Dick could see them. I had cautioned Dick that he must remain absolutely immobile. With his camo and headnet I didn't believe they'd be suspicious. And I did not think the bow would disturb them as long as it moved not an iota. Turkeys rely on two senses; sight and hearing. They see and hear absolutely everything. I believe, however, the *intelligence* of turkeys is over rated. I think they have something much

better than intelligence—an instinct that any sight or sound that they don't know as "good" must be "bad." No gobbler ever waits around to decide. He runs first. In addition, the height of a turkey is just right to see you or your movement far more quickly than you can see him. Also, turkeys, contrary to many opinions, are not color blind. Proper camouflage is extremely important.

Suddenly I could see a red-wattled head poke out from the brush on the far side of the seep. This wet spot was where a small spring trickled over rocks at the apex of the narrow canyon. From my view I could presently see the whole big body of the turkey screened from Dick by a clump of heavy grass. Then it slowly and without concern stepped forth.

At this point Dick made his error. I had wanted him to let the turkeys come on until all were in plain view, and to let them drink first. When any creature comes to water, it is always suspicious. Watering places are places where danger lurks. But, once a wary bird such as the turkey has made up its mind to drink and put its head down, suspicions are relaxed. I had hoped to see one drink, then see all put their heads down at once. At that moment Dick was to shoot. Or, if they failed to do this, they would drink one at a time, then undoubtedly move on right toward him with less concern. He had only to arise then and his chances would be darned good, even on a running shot.

But somehow, in the excitement of the moment, Dick's eagerness won out. He started to draw. The gobbler's head swiveled to him. At that split second another head thrust forth.

"Putt!"

When a gobbler says *that* word, it is already gone. These were. Dick bounded up and let off an arrow. It sliced harmlessly through the grass clumps and all four gobblers were instantly airborne and sweeping majestically down-canyon. Unless you have seen big gobblers get into the air and rush away in flight, you could not possibly believe how quickly these heavy birds can maneuver. It is all but unbelievable.

We were not far from our camp. I had driven my big 12-foot on-frame Dreamer Royal Explorer on its stretch-frame Ford pickup out to the area where we'd hunt. It has all the comforts, including a full self-contained bathroom. I like the pickup coach as a hunting camp the best of any camping outfit I've ever used. For average hunting you can go anywhere you need to go in it, and you can sneak quietly into an area, without a lot of making-camp racket. You just drive up and park, shut off the motor and when you are around camp stay

inside. No wood-gathering noise, no talking. Human voices are pure poison on a turkey hunt. Also, regardless of what game you are hunting, if you get into a situation that doesn't look like success, it is such a simple matter to move to a better area. Close the windows, turn the ignition key, and you're long gone.

We went back to the Dreamer and got a cold drink. We sat inside rehashing the foul-up of those gobblers. I took the opportunity to ask Dick a bit about equipment. I wanted to see if he thought as I do about turkeys. He uses good solid broadheads, and a bow as heavy as he uses for average big game such as deer.

I said, "There was some fellow came to me asking about hunting turkeys and he was going to try an ordinary blunt!"

As Dick and I both knew—and as all archers trying for turkeys should know—this is one of the toughest, most tenacious birds living. An average gobbler at maturity — depending on the subspecies — will weigh from 14 to 25 pounds. The Merriam's of the western mountains is one of the largest birds. The wing-butt bones of the wild turkey are surprisingly large and tough; the breast is so thick it takes a lot of piercing. Even the heavy wing feathers are a shield. You must drive an



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arrow hard, and the wound must be large if you hope to get your bird. A wounded turkey that is hit in the intestines, for example, will run a long way. It will die, but chances are you'll never retrieve it. The only good area to strike regardless of shooting angle is across the lung region.

If a turkey stands up straight, head high, facing you, try for a hit spang in the crop. If it stands likewise with its back to you, the high center of the back is the place. Broadside, the wingbutts are it. This takes plenty of drive with an arrow and bone can deflect it unless there is plenty of steam behind it.

"What's your opinion of how a shot should be handled when a gobbler is running away?" Dick asked.

On occasion a turkey will run off with head high. But not usually. As a rule it will bend forward and have its head down and straight out in front and will really travel. This puts it tail-on in a perfect plane for an arrow. I have shot several with jacketed rifle bullets from this angle and the bullet travel is almost exactly the way an arrow will go.

"Aim right for the tail, the vent," I said. "And try to keep your trajectory flat and low. An arrow entering the rear end will range forward through the soft part of the bird and slice exactly through the lung cavity."

Late that afternoon we left the Dreamer coach and started out again. Turkeys rest during the middle of the day in good weather, retreating to brush clumps or shady canyonsides and hunching around lazing away the warmer hours. They feed and travel from dawn when they come down from the roost until about 10:00 a.m., perhaps later on chill days when they start out later. Then about 3:00 p.m. in most hunting latitudes, either spring or fall, they start out again. In spring an old gobbler after hens struts and chases until about the same time of morning. He may, if thwarted, move during the middle of the day. But by and large either spring or fall the best times for activity will be early and late in the day.

During the afternoon hunt, feeding turkeys will travel widely and then at last swing toward the place where they will roost that night. Locating a roost that is being used a great deal helps one plan how to intercept turkeys in the afternoon, whether in spring or fall. There are really only two "best ways" to hunt turkeys—by interception, lying in wait; by calling.

"The reason a fellow needs to know more than just calling," I explained to Dick, "is that many a time in spring season a cold snap will put the damper on mating. I've had it happen on several



This is a very handsome specimen of the Merriam's turkey of the west. This gobbler is headed for a spot almost exactly like the one where I picked off my Rio Grande turkey—the cut bank of eroded creek bottom

occasion. In such a situation you can't get a gobbler to answer your call, and you have to start hunting."

"The one thing I've already learned," Dick told me, "is that still-hunting—just walking around quietly—is all but useless for an archer. You simply can't surprise them and get that close."

I agreed. You can't do it very often with a gun, either! We didn't realize it as we walked along on the way to our selected hunting ground, but we were on the threshold of a bit of hunting practically right out of spring. We jumped a deer. As it bounded off we suddenly saw, at possibly a hundred yards, a small flock of turkeys scatter every which way running crazily. The deer had spooked them.

The set-up was just about perfect. There were two minor valleys, one on either side of the small rise from which the turkeys had run. Some were on either side now. There was a depression on our side, too, and we hurried ahead now, trotting quietly. I could see a small flat as we came up toward the knoll. It was studded with low brush. Beyond it, farther on, was a creek bottom where a stream ran, and where several big cypress trees grew. Here was a spot I felt would be just right for Dick, I stayed back and lay flat among low growth behind him.

Presently, perhaps ten minutes after we had eased into our places, there came the plaintive call of a turkey from ahead and to the left. I waited a moment and then I worked my call, giving only two small yelps. Ha! A turkey instantly replied. I called no more. My breath was getting short, though, even without any exertion. I could see Dick tense and I hoped he'd not move a muscle. A

turkey coming to a call is looking intently. Dick's cover was sparse and he had not put on the headnet. He wanted to be able to see more.

Fortunately, in the direction from which the turkey had called there was a pile of debris, old down timber. Suddenly the gobbler spoke again. It was right behind the jumpile. I was trembling but I decided not to call again. I was afraid I'd miff it. Let the bird keep searching.

It always amazes me how a gobbler can suddenly be there. One second we were looking at nothing and in the next, there he was. And now we got a great break, but one that also called for quick action. From the very direction from which the bird had come, another turkey called. It must have been trying to catch up. Our bird instantly swung rear-end on to Dick, and looked back toward the new sound. For an instant its attention was diverted.

I had to admit Wilson was pretty darned good at his trade. Before I knew what had happened, and without changing position more than an inch or two, Dick had let an arrow fly. I remember seeing the gobbler's wings flop outward impulsively and of seeing the buried shaft. Then with a clatter the gobbler was gone, trying to fly and run at the same time.

"Let's go!" I yelled.

We were up and running. You can't wait around on a turkey, as you would a deer. It may not leave much of a trail. And if it gets into dense brush it is gone for sure. They can run like race horses and their stamina is immense. But this one was hit just right. As we belted around the brush and crashed through the down stuff, we both glimpsed it flopping and running. Then it was down and the great wings beat a hard rhythm momentarily upon the ground. Dick had his bird and I've never seen an archer more elated.

Later on that same hunt, I was to bumble my way into a bird, too. While Dick tried for a deer a couple of days later, I left the Dreamer and just walked off across the live-oak flats with my bow, putting in time. I spotted a lone gobbler working along a tangled creek bottom. There was an open edge and it appeared to me the bird intended to follow it. Here the creek bank was cut away by erosion for some distance, so that it was almost straight down. If the bird kept going, it would have to walk the edge at one point. I jumped into the bottom and took my stand. A few minutes later, there was my bird, so close I could almost have touched it with the bow. It was so easy I could hardly believe I'd done the job.

Believe me, that sort of fluke does not often happen in this game. If you want to join the big-



After Dick Wilson got settled down, he didn't do so badly. No archer was ever more proud of a trophy

thrill gang, try for a gobbler this spring. Your chances of collecting, I must warn you, are probably less than one in a hundred—but there is always next fall—and next spring . . . so on and on. I'll take anybody's money that once you start you won't be able to quit until you've collected. This is just possibly the biggest thrill hunting archery has to offer.

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RECREATION '69

JUDD COONEY

Looking for a new tent trailer or pickup camper? Maybe you're looking for a good sleeping bag or a new bow for this coming hunting season. Well, you can find these items and many, many more that will make your mouth water with wanting, and all under one roof.

I just returned from a twelve day stint at the Anaheim Sport and Travel show at the Anaheim Convention Center, just out of Los Angeles. And believe me, I never saw so much equipment under one roof in my life.

Much of the equipment being shown at this particular show was being shown for the first time. The variety ranged from complete traveling vans on wheels to collapsible trail bikes, and from portable potties to two way radio outfits.

Most of the larger cities in the United States have a sport or Boat and Travel show during the winter months or on into the spring. Companies and manufacturers use these shows to get many of their new and upcoming items before the

public and at the same time get the public's reaction to their products. This is really a great opportunity for the camping and trailering enthusiast to get the lowdown on the latest and to compare, right on the spot, the outfit he is thinking about getting with another right along side of it. Most of these sport shows have exhibits covering every phase of outdoor recreation and also have professionals in most of the fields there to answer your questions, whether it be on fly-fishing, bowhunting, or photography.

At the Anaheim show, even though I was there for more than a week, I never got tired of looking over the camping and trailering equipment and asking questions of the various representatives.

The things that impressed me the most was the Alaskan Camper Companies new, all fiberglass camper. This camper is a one piece, molded, high strength fiberglass outfit, that has been in the making for the past three years. The interior is different from the run of the mill camper, in that all the cupboards and drawers are also of molded fiberglass. The drawers are molded and faced with formica as are the counter tops. This should be a real tough, rugged outfit, even though it is about a hundred pounds lighter than its aluminum counterpart. The two models that were at the show, were their two prototypes. The Alaskan Company should start into production late this summer on these. No price was available on these units as yet.



Alaskan camper line with the two new molded glass models at the far end

Right down the line from these campers is a unique little outfit called the Go-Devil. It is a compact, portable trail scooter that can be folded into a suitcase type satchel that measures a mere 16½" x 24" x 11½" and weighs a total of 69 lbs. This little rig can be assembled without tools in less than two minutes and could be carried in a car, boat or in a camper for that little trip to the store or

down to the stream for a bit of fishing before supper or what have you. For more information, you can contact: G.E.M. Sale International, Inc., 3505 Long Beach Blvd., Long Beach, California.

For you camper owners, there is an outfit made right here in Colorado that is the slickest thing I have ever seen for unloading and loading a complete camper from the pickup bed. It is called the Load-A-Matic and it is just that. The camper is fitted into a frame around the bottom, which has two hydraulic arms. These arms raise and lower the camper with ease and can either be used with an auxiliary 12 volt battery or with the truck battery. All it takes

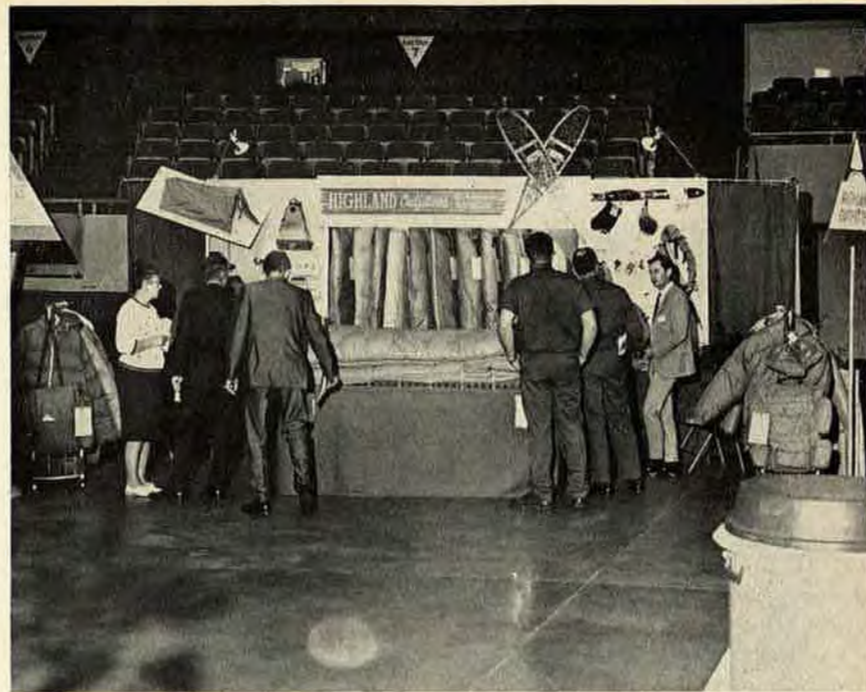
is a touch of the button to raise your camper so you can either back under it for loading or pull out from under it for unloading. It is solid and will not tip with the camper, even if you happen to back into it with your truck. It require camper modification and will fit most makes of campers. For further information on this rugged work saver, write Dick Steele, Colorado Leisure Products, Broomfield, Colorado.

I could go on and on about the products but another important part of this show, aside from the products is the recreation and hunting areas that are represented. At Anaheim, about half the show was made up of booths from different recreation



A real worksaver for the camper owner was this model of the Load-A-Matic camper loader

areas all over the United States and Canada. There were representatives from fishing lodges on the Arctic Circle, pack outfitters in Wyoming, hunting lodges in British Columbia and from many of the major vacation centers in the United States. Most of these representatives were well supplied with maps and information about recreation in their respective areas. They were, of course, selling their own areas in particular but most would provide any information they could to help you in setting up your trips. It was enlightening to me to find out that most of these places were very much interested in bowhunters and some even had special rates for bowhunters.



Backpackers and hikers as well as bowhunters could make use of some of this fine down equipment and backpacking gear



Potential bowhunters eyeing Leon's trophies!! or maybe his assistant, or both

One of the booths was run by Leon Johnson, owner of the Bow and Barrel Den in Orange, California. Leon is an NFAA Master Bowman and a great guy to know. He runs the shop as a hobby and books hunts on Catalina and Santa Cruz Islands. During the show he took a group of bowhunters to Santa Cruz and invited me along, but due to my working commitment, I couldn't get away. The thought of him bowhunting while I worked was enough to drive one to drink. He took 26 hunters over and had 60% success on wild sheep and boars, with several of the boars making the California records. If any of you are going to be in the L. A. area in the future and

would like a hunt, where you can get all the shooting you want, drop Leon a line and get all the details. His address is 2346 Robinhood Place, Orange, California, 92667.

While I was working at the show, one of the main complaints that many, many people had, was that the different states and agencies dealing with recreation didn't put out enough information. This got me to thinking that maybe the public in general doesn't know how to go about getting the appropriate information from the various media, be it private, state or even federal.

A good example of what can happen because a person doesn't take the time to plan and find out what the area he is going to be vacationing or traveling in, has to offer, happened to my wife and me on a trip to Canada two years ago. We drove to Waskesiu, Saskatchewan, and from there we were flown 300 miles to Lloyd Lake for a week of fishing for Northern Pike, Grayling, Walleyes and Lake Trout. I never gave a

thought to bowhunting before going, and have been sorry ever since. We were going between lakes one day on a beautiful stretch of river that was alive with 3 to 5 pound whitefish in water from 1 to 4 feet deep and crystal clear. I mentioned to our guide that it sure would be fun to shoot them with a bow and arrow. He said that since they were considered rough fish in Canada, that it was legal to do so, but this particular stream didn't have too many in it and if I had my bow along he could take me to a much better spot. I didn't enjoy much of the trip up that river thinking about how much fun I was missing out on. To top off this fiasco, the camp boss, Gordon McNeil, said that they had several Black bears baited in, with fish scraps and that if I wanted to get a license for \$10.00, I could shoot one of them so the Indian guides would have some fresh meat. I about cried at the thought of going after one with my bow, which was safely tucked away in the car, 300 miles away. Plan ahead now!!! You'd better believe it.



Jeep and four wheel drive displays showed what's new for '69

So you say, I'll plan ahead but where do I start and how do I get the information.

First off, plan roughly where you are going on your trip, through what areas you will pass and how much time you will have. Start this during the winter months to help while away the time. You might start by writing to the State Game and Fish Departments in the areas you will be in and have them send the laws and season information along with the names of local personnel that might be able to help. Also a letter to the state Chamber of Commerce, outlining your plans will bring lots of additional information on specific areas and probably from this material, you can get the names of local people, who in most cases are only willing to help you. Another source of information for bowhunting enthusiasts would be the State Archery Associations. They may be able to give you the names of people who can help show you a good time, help you find campsites or advise you what to expect in the area for bowhunting.

The whole secret to making your vacation or trip, one in which every minute is put to good use, is to plan ahead and give yourself and the people you are going to be asking for assistance plenty of time. Don't start planning two weeks ahead of your departure date, give yourself six months if possible and if your plans should fall through, heaven forbid, then you have just that much of a jump on the next year and can have twice the fun.

Remember, Plan Ahead



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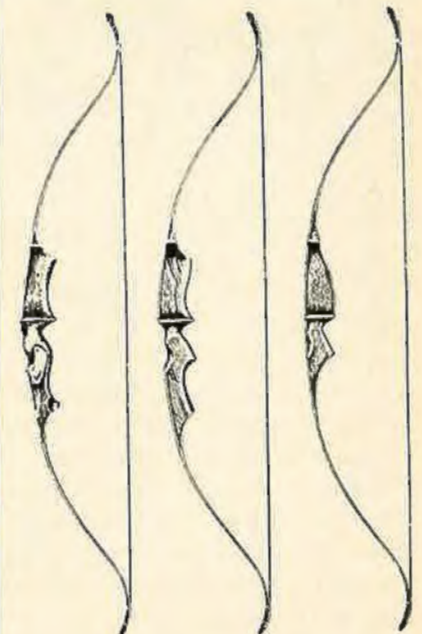
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IS THE P.A.A. COMING UNGLUED?

Here is an ARCHERY WORLD exclusive interview with Dave Keaggy, Sr., who recently resigned as President of the Professional Archers Association.

Says Dave: "NOT BY A DARN SIGHT!"

ARCHERY WORLD interviewed Keaggy to find out first hand why he threw in the towel after serving only one year of a three year term as President of the P.A.A. Here are our questions and Dave Keaggy's answers.

Q. Dave, if you didn't intend to stick it out, why did you run in the first place?

A. It all started when 26 PAA members attending the PAA Instructional School in 1966 had an informal meeting. The topic of discussion centered on how to improve the PAA. Conclusions drawn were that our organization was moving too slowly and our organizational structure had shortcomings. In discussing what could, or should be done, I offered some suggestions. The result was the group asked me to run for President. At the time I accepted I had full intention of serving a three year term and even developed a THREE YEAR PROGRAM OF PROGRESS.

Q. What were some of the things you proposed?

A. At that time, I had a nine-point program, but the key was to remove the concentrated power of control from the Executive Secretary's office and transfer it to the President, his officers, and the PAA Board of Directors.

Q. Would you please elaborate on this, Dave?

A. Since its inception, the PAA has operated with a non-paid Executive Secretary. He helped draft the original Constitution and By-Laws. This program was fine at the start and served a very useful purpose, for which we are very grateful. The problems arose because the President, who was elected for a three year term, had no authority to make decisions. He could try, but all the mail to PAA members was controlled by the Executive Secretary's office, by Constitution. This meant that if a program was proposed by the President or any of the Directors it had to go through the Executive Secretary's office for distribution. Because the Executive Secretary was "non-paid," there was no control. Many programs (A. never reached the membership, (B. were changed before they reached the members, or (C. a rebuttal or condemnation of the program was sent along with it at the whim of the Executive Secretary.

Q. How did you propose to change this?

A. The President and Vice President, with self-appointed committee chairmen, should run the show. The control, of course, is established by the Board. The office of Executive Secretary was to be abolished and the President was to hire a professional secretary (a non-archer), to do all of the office and clerical work. We can hire a full time, well trained girl, pay office rent, and have her under the direct supervision of the President for little more expenditure than the present method.

Q. Aren't you afraid this would give the President too much power?

A. No. Successful corporations know that top echelon decision-making cannot be divided—authority cannot be split. You elect a President, you give him a chance. If he doesn't do the job, you remove him. The Board has that control.

Q. What do you mean by "self-appointed" chairmen?

A. I made a politically grave error when I took office. I did not wipe the slate clean and start with all new committee chairmen. The President has this prerogative.

Q. What happened?

A. I went soft! I retained the existing chairmen; they had done a good job in the past and could continue to do so. However, I started pushing for new programs and more lead-time on the old ones. The chairmen rebelled, and rightly so. You can't very well push a non-paid employee. After all, the time and effort they contribute to the PAA is all gratis. The solution is simple. When the President is elected—just as President Nixon is now doing—all committee chairmen should tender their resignations within 30 days. The President can then accept or



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refuse the resignations as he sees fit. This eliminates hard feelings and gives the President an opportunity to choose a new team with new enthusiasm and new ideas.

Q. Wouldn't this disrupt some of your continuing programs?

A. A "do nothing" program must be interrupted. A well founded program can be easily passed along. I honestly believe that if a PAA President spends three years at the job, he should not succeed himself nor should any of the committee chairmen. We are a group of 350 professional people. There is a lot of talent within our organization; we should give them a chance. No man is irreplaceable.

Q. What, specifically, led to your resignation?

A. Basically, a lack of cooperation and division of authority by the Executive Secretary's office.

Q. Can you be more specific?

A. I'd rather not, except to say that I tried to get Board approval of a budget for 1969 in January. I failed. Our Constitution has always called for a budget. We have yet to have one. I tried to get a monthly accounting of expenses reported to the membership starting last July. I failed. In seven years our books have never been audited.

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I tried to get Board approval in January of the Rounds and Rules as revised by the Rules Committee. *I failed.* These may not now get approved until the end of March and distributed until May.

- Q. Will your resignation adversely affect the PAA?
- A. If I thought that, I wouldn't have resigned. Those who may have opposed my ideas and methods can claim victory. Those who believe in me and what I'm trying to accomplish will rest easy in the knowledge that I will continue to pursue these goals with even more vigor. The new President, whoever he may be, will have the opportunity to make the proper changes. He should be given every chance and not be interfered with.
- Q. Do you plan to advise the next President?
- A. Absolutely not, unless asked, I will make no suggestions. He should have two years to take our organization forward. To do this he must have complete cooperation of the Board and the members. If he doesn't cut it by then, we'll get someone who will.
- Q. How will the new President of the PAA be chosen to fill your un-expired term?
- A. At a special meeting of the PAA Board of Directors to be held on March 1 and 2, 1969 at O'Hare Inn in Chicago. The Board will elect someone from their midst to fill the term.
- Q. Will you attend that meeting?
- A. No.
- Q. Do you care to predict who the new Prexy will be?
- A. Joe Johnston is the most logical choice. Jim Easton, our Vice President, is over-loaded with opening a new plant. Joe has board experience with the N.F.A.A., from which he recently resigned. He is a "doer." If given a chance, he will do a job. Should Joe win the Presidency, and with Jim Easton as Vice President, we will have a good working team. The members will support them.
- Q. What advice do you have for your PAA members?
- A. Until last year when I became President, the philosophy of the Executive Secretary's office was to have a non-active Board whose prime duty was to meet occasionally, at members' expense, and approve or disapprove the actions taken by committee chairmen and the Executive Secretary. I disagreed violently with this thinking. Our Board members should be working Board members. They should initiate programs, advocate changes and be assigned

specific tasks. When we vote for a Director, we should ask him one question: "Will you work and be active on behalf of the PAA?" Any individual elected to our Board should work or get off.

- Q. Who do you blame for all the problems you've had this past year?
- A. Myself.
- Q. What's the future of the Professional Archers Association?
- A. Just great! We have more members than ever, better programs for the members, bigger tournaments coming up, and more demands for our services. We're turning out excellent instructors and we have the finest shooters in the world.

1969 TOURNAMENT DATES

All tournament dates received 90 days prior to the shoot will be carried in this column each month. Please send your dates as soon as possible.

(March 15-16)	NEW ENGLAND INDOOR	Hall's Arrow Inc. Columbia, Conn.
March 29-30	AM. INDOOR ARCH. CHAMPIONSHIP	A.A.C. Detroit, Michigan
March 29-30	AM. INDOOR ARCH. CHAMPIONSHIP	Cobo Hall Detroit, Michigan
(April 12-13)	EASTON ARCHERY CLASSIC	Staples Arch. Lanes Easton, Pennsylvania
(April 26-27)	DANVILLE OPEN	Danville Archer Danville, Illinois
(May 17-18)		New Castle, Indiana
May 18	TRI-CO. BOWHUNTERS INDOOR JAMBOREE	Clinton, Indiana
May 30-June 1	BROWN CO. OPEN	Brown Co. State Park Nashville, Indiana
May 30-June 1	MARYLAND AA, TARGET ARCHERY CHARITY SHOOT	Carlings Brewery Baltimore, Maryland
June 7-8	SHAWNEE OPEN	Portsmouth C. of C. Portsmouth, Ohio
June 14-15	2nd U.S. AMATEUR FIELD CHAMPION.	York, Pennsylvania
June 28-29	LAKE PLACID OPEN	Lake Placid C. of C. Lake Placid, N. Y.
July 12-13	CORRY ARCHERY FESTIVAL	Corry Beaver Club Corry, Pennsylvania
Aug. 2-3	MAID OF THE MIST	7-Clan Bowmen Niagara Falls, N. Y.
Aug. 12-20	WORLD CHAMPION. OF ARCHERY (FITA)	Valley Forge, Penna.
Aug. 21-24	NAA NATIONAL	Valley Forge, Penna.
Sept. 7-8	HOOSIER OPEN	Fayette Co. Bowmen Cambridge City, Ind.

Dates in parenthesis are tentative dates.

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TACKLE TOPICS—

(Continued from Page 9)

#3—If you are speaking of instinctive type of aiming, I would say you are right. Concentration on the point you want to hit is of utmost importance. In hunting, it is absolutely prime. Remember, concentrate on a spot on the animal, not the whole animal.

#4—Because, whether a bow has recoil or not is really not important to accurate shooting. More important features such as, smooth draw, wide string angle, stable limbs, etc. are far more important. While a long limbed bow will have more recoil than a short limbed bow, recoil has been engineered out of all modern recurve bows.

#5—No. It just isn't in the books for a bow, even shot from a machine, to be as accurate as a rifle at any range.

#6—No, I don't think it is

possible for the arrow to slip on the string even if you didn't use a nocking point. The nocking point is not there to keep the arrow from slipping but to locate the arrow exactly the same for each shot to get consistent arrow flight and accuracy.

#7—The bow is held by the bow hand about on center, the arrow is about 1½" above center, the arrow is drawn with one finger over and 2 fingers under the arrow. With all this misalignment, it has been found, with a correctly tillered bow, that it takes about ⅛" high location to get an arrow to fly correctly. However, this location depends a lot on individual form, so put your nocking point where it shoots best for YOU.

"Whew"

Dear Tom:

There was an article in the December issue of "Archery World" printed by the NFAA about the "Golden Key Mark II". To start off with, they legalized this release for the National Field Championships and now they come along and say that it is illegal for tournament competition in NFAA. Tom, I have only been shooting for about 5 years but, I have one of these releases which I think is the most perfect release that can be made. Following are a few of the things I like about it . . .

#1—No sore fingers

#2—Easier to pull the string back.

#3—Very smooth release.

There is bound to be more that I can't think of right now. My question is this: Why belong to an archery organization if they aren't going to except these advancements in equipment, like the Mark II, or the Compound bow? These advancements in equipment were made to make archery easier for all the people who would like to shoot or have

been shooting for years? As we both know our sport is the most difficult to stick with, and really master, of all the sports known to man. How can they expect to draw people into the sport and turn away the advancements that are trying to be made to help archers? I just don't understand them, Tom.

Sgt. John H. Colburn
FPO San Francisco, Calif.

Dear John:

I don't understand them either, John. If you are going to have an organization I guess you have to have rules or you would have anarchy. However, I feel that some of the people making the rules are out of touch with the archers that they are making the rules for. Archery has a penchant for getting people into power that have narrow minded ideas. If you think it is bad here in the U. S., get a load of the rules made in other parts of the world. It wasn't many years ago when you couldn't even use a nocking point on your string! As a group, archers are a smart bunch, and if the powers that be would let them alone they would accept or reject new advancements on their merit. After all, the organization is for the archers isn't it?

Dear Tom.

I shoot 32" arrows. This in itself is probably a gross disadvantage but a shorter arrow causes me to overdraw. I have had best luck with my home made arrows but my accuracy still leaves a lot to be desired. A "wrist sling" has been added to my 58", 45# Bear Grizzly but no measured improvement has been noted.

#1—What can we long-gear-ed guys do? Maybe my problem is common and you have an easy remedy. Could you recommend something? I am not interested

in tournament shooting, just deer and varmint hunting.

#2—What is the scale of poundage increase when a bow rated at 28" is drawn to 32"?

#3—Can you tell me of a company that sells quantities of #1 Port Orford Cedar shafts in 32" or 33" size?

Gary Jadwin
Brainerd, Minnesota

Dear Gary.

While the Bear Archery Company guarantees their bows to any draw length I think they would agree that a 58" bow is a little short for a 32" draw. At a 32" draw you get all kinds of adverse "stack" and "string pinch". By all means, if you can get a longer bow, even if you have to buy what they call a tournament bow. I would recommend at least a 66" bow. A wrist sling is to eliminate "bow grabbing". If this is your problem, and I don't think it is, you'll probably go right on grabbing your bow. Frankly, I don't advise a sling for hunting. There have been times when a bow sling could have cost me my life. I dropped a very good bow down a 75 degree slope on Santa Cruz one time so I could use my bow hand to keep from making the same trip. Frankly, I was a little too busy making grooves in solid rock with my bare finger nails, to get out of a bow sling.

There are several solutions to your long draw problem. After the longer bow, the next step is to solve your arrow problem. Most of the long armed guys around here have given up on woods and shoot only aluminum arrows. The large diameter and thin walled tubes give them a good flying arrow without getting so heavy as to give them lousy trajectory. Some that just couldn't shorten up like you, have made a broadhead tunnel in the sight window so they can

draw their arrows back inside of the bow. This allows them to shorten the arrow about 1" to 1½" in length. Caution here as you might void your guarantee on your bow if you start hacking a hole in it. I have made special bows for some of my long armed customers and Groves Archery in Ariz. make a hunting bow designed to overdraw.

#2—The old rule of thumb says 2# per inch. Like all rules of thumb, they are not very accurate. When you pull a bow 58" long to 32" you will increase a lot more than 8 pounds. Even the best limb design will increase 10 pounds in 4 inches.

#3—There are several good shaft outfits that advertise in this magazine that I am sure can furnish you long shafts on special order. If you could see your way clear I would suggest you buy a barrel of spined shafts when you do because it almost always is a special run and you will have to wait some time for them.

Dear Tom:

Has there been any test conducted comparing short hunting bows to longer hunting bows?

I use a Super Kodiak 50# pull 64" long. It's a very smooth shooting bow and has killed a few deer and numerous small game. However, I hunt brush country and it's thick where the game is and a short bow would be ideal.

Should I buy a short hunting bow, or a longer one?

W.R.T.
Conway, Maine

Dear W. R.:

About 6 months ago, right here in ARCHERY WORLD, Lovell Tice did a good article comparing short and long hunting bows for speed. You might write to Archery World and find out if they have that back issue. However, to be fair, there are

other things to consider when picking a hunting bow besides just performance. Size of the archer, especially his draw length, type of hunting, will you shoot from a blind, a tree, from horseback, type of cover, etc. The 64" Kodiak is a fine hunting bow and frankly, I like a longer bow for hunting. It always sticks in the back of my mind that the greatest of them all, Howard Hill, shot a 6 foot bow in all of his hunting regardless of type of country or method of hunting.

However, archery is an individual sport and you should go to your local archery outfitter and compare the short bow of your choice with your present hunting bow. The bow is only as good as the shooter.

Dear Tom:

Here are some archery questions . . .

#1—Is a straight limbed bow more stable and more accurate shooting than a working recurve bow?

#2—What is your theory as to the cause of freezing off the target. Target Panic? Can a shooter who has overcome these problems suffer from them a second time?

#3—Some little guys can handle heavy bows. Some big guys can't. They say it is a matter of muscular co-ordination. Is this something that can be learned by practice, or isn't it?

Bob Dorn

Winona, Minnesota

Dear Bob:

By and large, Bob, one bow is no more accurate shooting than another. People and arrows are more accurate. While all record scores are held by recurve bows, this is not because they are more accurate than a straight limbed bow, but because their performance is higher with a given draw weight. The recurve bow stores more

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energy at the beginning of the draw than the straight ended bow, thus is more forgiving of difference in draw consistency. A recurve is more sensitive to torque and this is why some hunters claim better hunting accuracy with a straight ended bow. If you grip and cant your bow into unusual positions while making a difficult hunting shot under a tree limb, they claim you can be more accurate. This is possible, however, I do not like to give up my performance for an occasional difficult shot.

Answer to #2—If you want the single most likely reason for freezing and target panic I will say, "Fear of missing." While this is never the whole story, it is usually 90% of it. If an archer has overcome freezing he might slide back once in a while, but he knows how to lick the problem, so he usually bounces right back.

Answer to #3—Being able to pull a heavy bow is just the same as the fact that some people can pick up 400# and put it over their heads and others collapse under 100#. Being basically strong helps, but practicing with heavy bows will make you stronger and able to pull heavy weights.

Dear Tom:

I have been shooting for a little over a year and have had one major problem. I have broken my stabilizer four times. It always breaks right next to the bow, just ahead of the threads. There seems to be no sign of breaking, then all of a sudden it breaks. My questions . . .

#1—What causes my stabilizers to break?

#2—How can I avoid breaking my stabilizer again?

I shoot a Black Widow X-300 with a Bear stabilizer. My form is similar to that taught by Chester Seay and I use a bow sling. Thanks.

Marty Sasaki
Hawthorne, Calif.

Dear Marty:

Answer #1—I think your problem stems from your style of shooting. Chet teaches a very vigorous follow through with the left arm. I believe he calls this the "lift". With most archers this is rather forced at the first but should become a natural reaction if you learn this form and style of shooting correctly. As you lift with your vigorous follow through you throw a sharp load at the point where the rod enters the bow and is fixed. Even a small weight on the end of a 12" or 14" moment arm applies a strong force.

Answer #2—If you really learned Chester Seay's method of shooting you would have no need for a stabilizer. However, I also think his method is the most difficult method of shooting to really perfect. To learn a natural bow arm follow through and a release follow through is the most difficult thing in archery, and frankly, I know only a very few in archery that have accomplished this to a high degree. Most archers, including many of the top shooters in the nation, use a rigid form with little natural release or bow arm follow through. The stabilizer works good for the rigid form people and they rarely break a rod. If you wish to continue to use a stabilizer I would suggest you buy the "Omni-coupler" that Bear can supply. The stabilizer rod screws into a compressible busing, and as you do your lift it will soften the load on the rod.

Dear Tom:

I would like to know if you consider a 75# crossbow suitable for hunting big and medium-size game in the following categories . . . #1 coyote, bobcat #2 wolf, cougar #3 deer, black bear, #4 lion, tiger, moose, grizzly. #5 elephant and rhino (Fred Bear killed an elephant with an 80# longbow).

What is the ratio of poundage between a long bow and crossbow. What poundage long bow would a 75# crossbow be equivalent to in game killing power?

What is the basic disadvantage of a crossbow compared to a long bow for hunting?

Thank you very much for your assistance.

Emmett DeLange
FPO San Francisco

Dear Emmet:

The biggest problem with crossbows available on the market today is lack of performance and efficiency consistent with draw weight. The low priced crossbows are poorly designed and use an inferior material for the bow. The more expensive ones are better designed and use better material in the bows but still suffer from the fact that pound for pound, in comparison with a long bow, they just do not store enough energy. The string-travel of the average long bow is twice as long in contact with the arrow than with the average crossbow. In comparison to a cheap crossbow, pound for pound, a good long bow arrow will have twice the energy at any part of the arrow trajectory than a crossbow of the same given weight.

In all categories up to #5 the animals are thin skinned and the only problem to get a kill would be to hit an area where you will get hemorrhage enough to kill. All of these animals have high

hemorrhage areas within inches or less of the skin. You could say with the correct hit you could kill all of these animals. However, category #5 is another story. Elephant and rhino have very thick skins and you would run into penetration problems. Proceed at your own risk.

Crossbows cannot be carried around at full draw with an arrow in place to shoot. When you see your game, you must cock and place an arrow on the ramp and then shoot. Many times in hunting this would lose your shot for you. A long bow shooter can come to full draw and shoot in a matter of seconds.

THE GALS TAKE TO THE WOODS

by: JOAN HORN

Over three years ago I was introduced to Archery. My husband Tom had been shooting for quite awhile, but I thought it was a bunch of nonsense! The day he bought me a bow for Christmas, I just about flipped! But I decided to humor him and draw it back faithfully so I could get in shape for spring and shoot my first arrow.

Well, I have long since stopped trying to "humor" Tom with the antics of Archery! I not only was "bitten by the bug", I have become CONTAMINATED!

We have made many friends in our Club, Kitsap Bowhunters, Inc., and are very happy in our new life surrounded by Sportsmen, the best breed of people alive! Kitsap Bowhunters is a bowhunting club and it wasn't long before Tom was gripping because there was now a hunting bow added to my long line of equipment, as well as arrows, broadheads, camo gear—the works! By now I'd found some hunting partners, Lorraine Jarstad and Marge

Krause. We take our hunting seriously (along with good humor) we have to keep our good humor to withstand all the razzing put forth by our fellow club members (namely the men). Many stories have been told of our hunting trips—and you can't help but agree with them. After all, we're women in every sense of the word—we insist on our warm campers, even if it means swimming over to Long Island every morning. We've got to be warm too! and by the time we are ready to begin the hunt, we are fully dressed with at least five layers of clothes. The guys all laugh—I guess when we do walk down a logging road, all hunched up and hunting, we do make a comical scene. My husband has nicknamed us the "goosesteps" and gets his "kicks" by walking behind us "quacking" to complete his point. I'll bet our fellow jokesters would have given anything to be behind the scene a couple of times. Like the day we found a hollowed-out stump and started peeling off layers under the blazing sun—or to see us all huddled up under a windfall waiting for a shower to pass.

Well, the more razzing we got, the more determined we became! The Club even went so far as to add a hunting trophy to our list of trophies—but only on the event one of us gals brought home some meat. Such con-

fidence on their part was overwhelming, but it just made us set our jaws a little more and try harder.

There's another piece of equipment that we women depend on (like most women) that's the telephone. Marge and I are the worst. I suppose it's because Lorraine works. Anyway Marge and I were on the phone one day, talking about the hunt opened up at a local ammunition depot, NAD Bangor, Wash. They had been printing applications in our local newspaper, for bow and shotguns only. Tom was really hot on the subject, because he said "the deer were lousy out there". We decided to try our luck in the drawing. We discussed whether or not we should put our first names down on the application, but decided it shouldn't make any difference—but funny thing is about that first drawing—we weren't drawn! The next drawing came out and we decided to be sneaky—we submitted our names M. Krause and J. Horn—and our names were drawn!

Finally, the day arrived for the hunt. We were all decked out with all five layers of clothes, topped off with our hunting hats. We tried to sneak a curl or two out from the brim of our hats and carefully applied our lipstick. Marge and I talked Tom into letting us take his pride and joy

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"flower-power", a 1946 Dodge panel truck, painted green with purple & pink flowers (pasted all over it by our dainty, mischevious hands on a day not too long ago). As we drove off that morning, our last glimpse of home was Tom gazing out the window, his nose pressed to the pane and a very sorrowful look on his face—thinking he's seen the last of his beloved truck. It started our trip off right and we chuckled all the way to the depot.

Upon our arrival at the Depot, we were met at the gate by a gallant marine with a smirk on his face "women hunters" was written all over his face. Well, we checked in, and I must say there were some quizzical looks given by the officials we met. We had to have a car pass before we could hunt, so we checked back in at the gate only to encounter a room full of marines—chuckling and nudging and pointing at our camouflaged-selves. We asked the marine in charge if we could obtain a car pass and after some



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fumbling around, he came up with an application for the pass. He asked me my name; I gave it to him; he asked me our license plate number, I gave it to him; he asked me for the year and model of our car, "said, well, I think it's a 1946 Dodge". This brought about some more nudging and chuckling by the marines. The gentleman then asked me the color of our vehicle, but by this time I'd decided they'd asked for it and decided to add to their game by replying "it's green with pink flowers all over it". Well, needless to say, it was a reply to release their chuckles to a fistfull of laughs as they fought their way out the door to take a look at "flower power". We left the gate with our car pass, feeling very good humored, thinking we'd given those poor, homesick, marines a royally bad time!

We arrived at our hunting area. We'd learned from fellow hunters to "road hunt" and proceeded to drive slowly through rows of ammunition bunkers, watching for our game. There were some roads on top of the bunkers, and after an hour or so of cruising and seeing no deer, we decided we'd try the roads in the bunkers. I turned "flower power" into one of these roads—and there they were: Three deer, just waiting for us. Marge jumped out her side of the truck, I the other and by the time I'd gotten to the front fender, I heard "thunk" and I knew my most able hunting partner had "struck home". Needless to say, us two women were ecstatic and I'm sure our fellow jokesters would have doubled up laughing at seeing us two women jumping around giggling, hugging, and crying. (But very quietly at the same time though, after all, we couldn't scare off our trophy.)

Marge had shot a doe, 22 yards through sapling willow trees, the arrow had deflected

off one of the trees—turning her heart shot into a gut shot—but we knew we had ourselves a deer. Marge said "we have to wait 30 minutes before we trail it" and I replied "well, let's see if we can find the blood trail". We made our way up to where she shot it. Marge glanced around and said "Jo, there's a deer for you!" I got back to full draw, only to hear Marge cry "don't, that's my deer!" As luck would have it for a couple of women out hunting alone, our newly gained trophy had walked back to die about fifty yards from where Marge shot it, and about eighty yards from our car!

We decided though, that the animal was suffering from its wound—and there's one thing, killing a deer, but it's another to see it suffer. So we moved on up to the top of a nearby bunker and it very nicely stood still so Marge could shoot it again, through the neck and down through the heart.

Finally, we knew we had it—but what to do now? Marge dug in her pocket for her Fred Bear Illustration on how to clean a deer, when lo and behold, two bowhunters came driving down the road. We hollered at them and they stopped and we took them over to show them Marge's trophy, feeling very relieved that now we wouldn't have to make use of the illustration. We should have known that our luck was holding too good though, as our newly arrived Doctor of Chiropractic hadn't cleaned out a deer in years! But he was very gallant and slit the animal and rolled it over, revealing the connected entrails. Marge and I got busy and grabbed, pulled, and cut. After some twenty minutes and a cut hand, our deer was ready for hauling to the car. Getting the deer to the car was no problem, as we had four able extra hands to help us. But we

(Continued on Page 55)



The Professionals

by Dave Staples



Board of Directors:

With the resignation of Dave Keaggy, Sr., as President of the P.A.A. Vice President, James Easton will serve as administrative head of the Professional Archers Association until the board meets to elect a new president in accordance with the constitution. The meeting of the board is tentatively set for the Monday following the American Indoor in Detroit which will be held on March 29 and 30, 1969.

For the interim period, Karl E. Palmatier will serve as executive secretary, and Dave Staples will act as tournament director.

Tournament news:

The New England Indoor Open—March 16th—Hall's Archery Lanes, Manchester, Conn. One PAA round will be shot. \$1,000 is guaranteed to the men, and \$100 to the women. Late registrations may call Art Hall at: area code (203) 646-0443 for additional information. Mr. Hall and his staff have in the past run a most efficient event, very well publicized. The Hartford area newspapers have given the tournament much coverage, and television sport spots have helped create a very good attitude toward the sport.

1st Buckeye open—March 23rd—Shell's Archery Center, Greentown, Ohio. One PAA round will be shot. \$1,000 is guaranteed to the men, and \$100

to the women. Late registrations may call Jerry Fortune or Tom Mountain at: area code (216) 499-8243 for additional information. Mr. Fortune was most pleased to announce over \$500 in merchandise prizes (all products of the Hoover Company). Two free motel rooms and steak dinners to the high scorer of each wave. Plus an enjoyable tournament in the beautiful Shell's Archery Center.

American Indoor Archery Championship—March 29th and 30th—details appear in this issue.

The proposed Easton, Penna. Archery Classic has moved its date from April to November 1969.

News 'n' Notes:

Merle Blair of Holtville, California is a former softball pitcher and national motorcycle racer . . . Roger Barge of Traer, Iowa was the state indoor Archery Champ in 1963 . . . Don Chapman, number two man in the PAA National in '68 is also a member of the Saunders 300 Club . . . George Clauss (Mr. Color) of the PAA, a resident of Saginaw, Michigan was the 1965 National pro target champion . . . Dick Drake of Dansville, Illinois was his high school's athlete of the year in 1947 . . . PAA'er Keith Gimson of Averdale Estates, Georgia is

an airline pilot when he isn't sending arrows flying . . . Frank Gandy of Bartow, Florida is the first and only barebow archer to shoot a perfect animal round in national competition, Frank did it in 1967. . .

Frank Leonard of Sewell, New Jersey while following his occupation as a hard hat scuba diver assisted in the uncovering of the mystery sub off Montauk Point, Long Island at depths of 180 feet . . . Joe K. Reeves of Goodlettsville, Tenn. was a professional boxer from 1956 to 1958 . . . Also notched the southern Golden Gloves in 1955 . . . Also spent some time as an actor in Walt Disney's (Light in the Forest) . . . Everybody's favorite lay, Lucille Shine of Las Vegas, Nevada was presented the Sports Illustrated Award of Merit in 1967 . . . Lou also blasted the first 1000 field round in national field competition . . . like the man says: "WHAT YOU DO, DO WELL."

BULLETIN

As We Went To Press
We Learned That

DAVE STAPLES

Was Elected The New
President of the Professional
Archers Association.

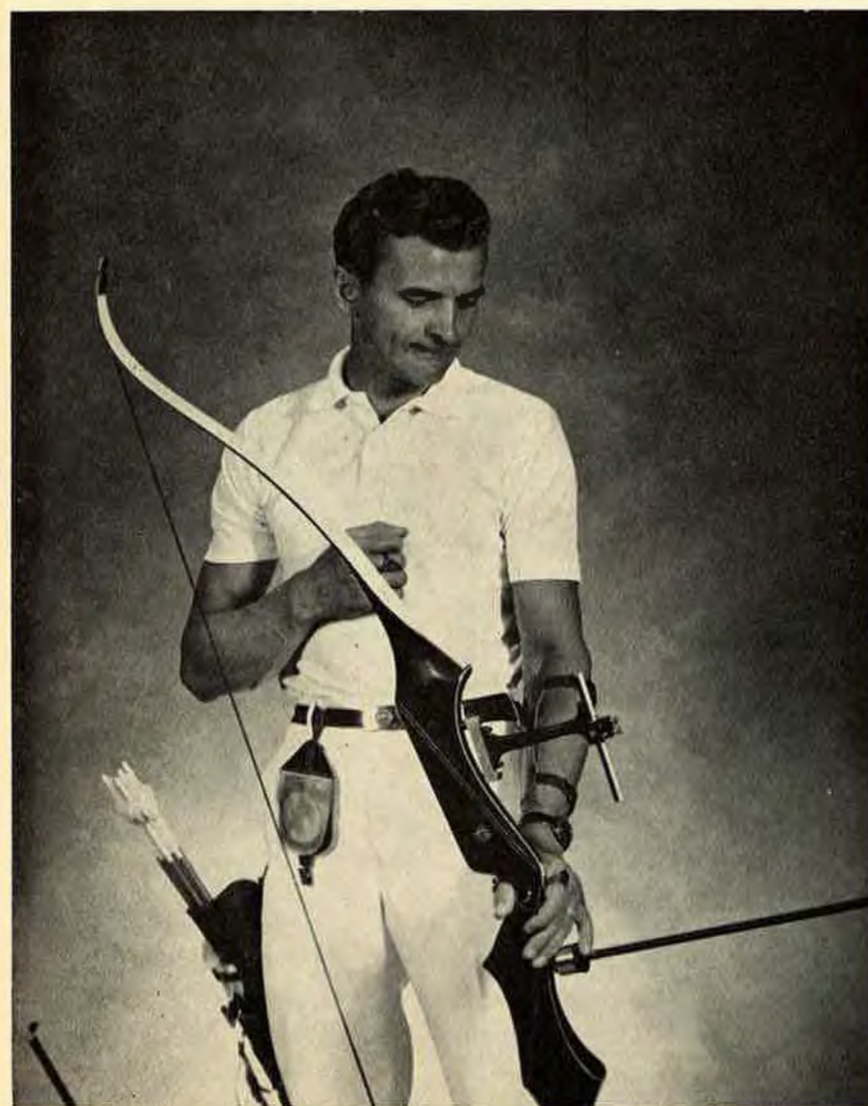
Congratulations and best
wishes, Dave.

Vic Berger—A P.A.A. Profile

by Dave Staples

Greatness has no time schedule. In Victor Berger's case the series of events began in what is now East Germany, where Vic was born some 33 years ago. His formative years were spent in the changing torrents of the second World War. At age 12, he constructed his first bow, "just for the fun of it". During the war, Vic's dad, whom

we might term a farmer, but whom the Russians termed a "land owner"—was seized one night and was never heard from again. To quote Vic, "I was so young then, I can't remember", "but that happened all around us. One day our neighbor would live next door, then we'd hear things in the night. Next day he would be gone".



Vic Berger, The White Knight of The P.A.A.

Vic's school years were first under the Russians and then the Poles. But, it was the constant shifting from sector to sector that stands out in his memory. Finally, Austria became his home away from home when American troops occupied the area early in 1945. It was in a displaced persons camp in Salzberg. For some 10 years, he remained there, hoping against hope that he would have the opportunity to finally reach America. His major problem, of course, was the lack of a sponsor. It was Rev. Kay M. Flaesner, pastor of St. John's Lutheran Church, who was at that time associated with the Lutheran Immigration Service who arranged for Berger's sponsorship. His mother, brother and sister were included. Springfield, Ohio has been his home since that time. His happiest moment was in July of 1956 when he received his naturalization papers.

One of the most difficult things Victor found upon his arrival in this country was the fact that he knew three languages, but English was not one of them. For a while he used sign language. But after spending hours reading a newspaper, while checking word meanings with a dictionary, he accomplished his fourth language.

Vic's reintroduction to archery, happened while driving on a country road in 1962. He spotted a fellow shooting his bow in an open field. As this is written, I can't remember if he stopped his car "on a dime" or "in a ditch", but, he did stop. The gentleman was most kind and offered to allow Vic a few shots. Within a week, he purchased his first bow. In the area of 60#. In very short order, he moved down in bow weight, until he arrived at a reasonable tournament weight. From that point, he was just pure, "hooked".

Field shooting, target shooting and competition were Vic's first contacts in tournament archery. Arrival in the Professional Archers Association, was in a quiet and gentlemanly way. "That's Vic, from start to finish". His most treasured accomplishment in archery took place in Pasadena, California in 1967, where he was crowned and checked, champion of professional archery. He has many Ohio state titles and records to his list as well.

To maintain the shooting excellence of today's archery professional and remain in the top five, in all styles of competition is a most difficult objective. Bednar and Gervais have done it, now it's Berger. The rare fellow you just can't count out. Victor Berger carries the hallmark of a true champion, the ability to lose well. To speak to Vic off the shooting field, during the course of a tournament, it would be hard to tell, if as you talked to him, he held the top spot, or was well back in the pack.

His belief in the growth and promotion of professional archery are a part of this man. Vic spends much time on the banquet circuit, where his humor and wit, make him a most popular speaker. Known by many as the "White Knight" of the PAA, his distinctive impeccable dress, have become a trademark, on the shooting field as well as off. Late in the summer of 1968, a second nickname started its rise, that of "Curley". Victor has a habit of letting a rather large curl drop forward, from his locks. In fact, when you find a group of professional archers gathered after shooting, and there is any amount of teasing going on, Vic is there. He teases well, and takes it better.

A list of Vic's archery ac-

complishment's would include the 1965 and 1967 Ohio State Field Championship, the 1966 and 67 Ohio State Flint Championship, the 1967 PAA Championship and the 1968 New England Indoor Championship. He also was awarded the Carling "Athlete of the Month" title in 1966 and the Sports Illustrated Award of Merit in 1967. Victor and wife Betty have two children, Erich 15 and Monica 8.

If a fellow professional, or a spectator would like to discuss the sport in general, or shooting styles, Vic is right there. Intense, interested and concerned. Certainly the model of champions to come.

THE GALS TAKE—

(Continued from Page 52)

gals couldn't see putting a dirtied up deer in "flower power" so we found a creek and laid it in the creek, washed it out, then hauled it back into the truck.

Marge had her deer, but mine was still to be got and even though we were dying to get the animal home to show it off, we suffered through the day—me shooting at and missing every deer I saw. We had our excitement though, because as the day wore on, our friendly marines had spread the word over their radios and by early afternoon, we had the marines out in force! All looking for the deer those "women bowhunters" had shot.

Upon our arrival at home with Marge's prize trophy, we were met by two very proud husbands, Carl and Tom. Although we take a lot of kidding from other fellows, our husbands have always been the ones standing behind us encouraging our bowhunting sincerity. After all, who do you think babysat our seven kids while we were off hunting in the woods?

I didn't score on a deer that

day, but hunting season's not over yet—Lorraine and I plan to score ours too this year. As a fellow jokester quipped after he'd heard about our trip "I guess Women's Emancipation has really hit us!" You bet it has fellas—and who knows? Maybe next year the woods will be packed with us "women bowhunters".

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A Clout Shoot—Fun For All

by George J. Higgins

****George J. Higgins, Ae.E., CAPT. USNR (RET.), Professor-Emeritus of Aeronautics, U.S.N. Postgrad. School, Monterey, Calif.**

Clout shooting comes to us mainly from England. When the long bow was still used in warfare, it was required by the order of the king for all men to practice with the bow and arrow. Special open fields were laid out with marks (targets) where the archers practiced. These marks, numbering sometimes in hundreds, were shot at from one to another, called "roving". The distances were listed and given in scores of yards; i.e., 7½ score, 11 score, 13 score, etc.; they varied from about 6 to 15 score (120 to 300 yards).

When the use of the bow and arrow in warfare decreased, the shooting on these ranges continued for sport. A typical layout existed just outside the More Gate of the north wall of old London, called Finsbury Fields. In 1628 there were 168* marks still remaining there. The use of these fields for farming with the farmers putting up hedges and fences finally meant the loss of their use for shooting. The archers were forced to use less extensive grounds, generally on the lands of a Manor Lord.

About the end of the eighteenth century (1792), many archery "societies" were formed. One of these was the "Woodmen of Arden". Shooting with the bow was done regularly with a "meeting" held usually all day. Their "round" was "shooting at the clout". This was a small straw boss propped at the rear to a slight angle and shot at a distances from 6 to 13 score yards. Two arrows formed an "end" and a days shooting might consist of 15 or 20 ends. Hits in the boss were called "clouts"

and were indicated to the archer by a marker near the target which was expected to fall over on his back for such an event. Other arrows were marked by arm signals in terms of "bow lengths" from the pin.

The N. A. A. have had a Clout Shoot for many years shooting 36 arrows at 180 yards for the men, 140 or 120 yards for the women. The long distances used a target laid out on the ground 48 feet in diameter. Sometimes a four straw target boss was used as a "clout". Scoring was done as in the York or American Rounds.

People using the lighter bows of today find it difficult to reach the 180 yard distance; they soon

become frustrated and quit. Therefore, to avoid this it is suggested that the range shot be gauged by the power of the archer's equipment. The following "Clout Shoot", or round, is proposed.

Sixty arrows at a 40 foot target on the ground, scoring 5, 4, 3, 2, and 1 for the five rings of four foot width. The pin is marked by a three foot stake carrying a yellow pennant. The sixty arrows are to be shot in 12 ends of five arrows each with a possible score of 300. A day's "meeting" might consist of two such rounds.

The distances to be shot are based upon the stored energy in the bow at full draw. For this purpose, a "rating" of the bow would be given by the following formula:

Energy Rating = $L \times F\#$, Inch lb. where L = arrow length in inches F = draw force of bow at L in-

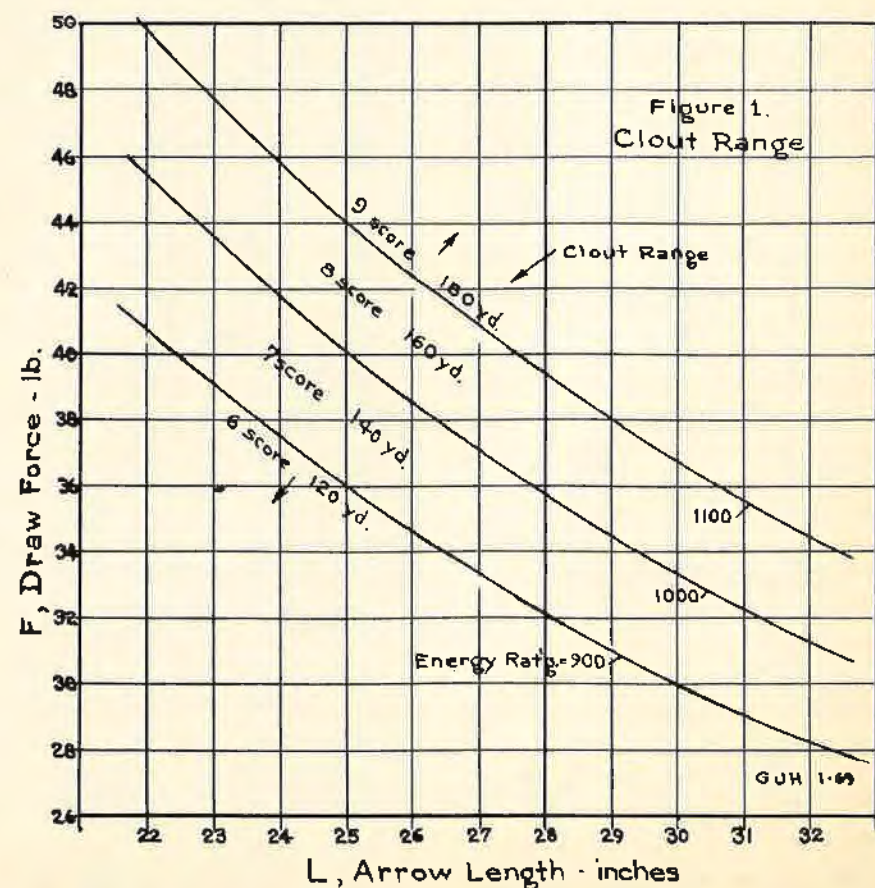


Figure 1. Clout Range

ches, lb. = $F28'' - 2(28 - L)$, lb. The distances to be shot are then determined by the formula or by reference to the following TABLE I.

TABLE I
Ranges for Clout Shoot.

Energy Rating $L \times F\#$, in. lb.	Distance yards.
0 to 899	120
900 to 999	140
1000 to 1099	160
1100 and over	180

From TABLE II. or Figure 1 one may determine at a glance the distance to be shot for a particular bow force and arrow length.

The field is laid out shooting in a northerly direction if possible or if that is not feasible, then so as to shoot with the prevailing wind. The pin of the target is a three foot stake with a yellow pennant. About this a 25 foot

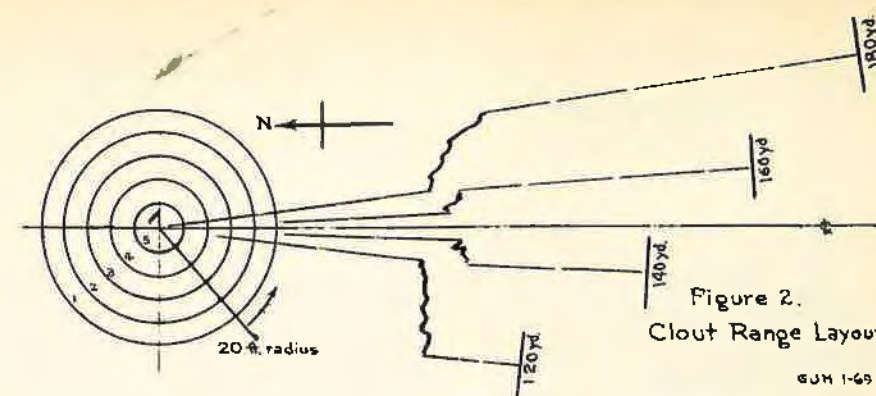


Figure 2. Clout Range Layout.

GJH 1-69

TABLE II
Stored Energy Rating

L, Length of Arrow inches	F, Draw Force at L, lb.	1000	1100
23	39.1	43.4	47.8
24	37.5	41.7	45.8
25	36.0	40.0	44.0
26	34.6	38.4	42.3
27	33.3	37.0	41.8
28	32.1	35.7	39.3
29	31.0	34.5	37.9
30	30.0	33.3	36.7

(Continued on Page 62)

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News / New Products



GERONIMO! Robert Geronimo, Jr., (left) grandson of the 19th century's famed Mescalero Apache war chief, recently opened the 1968-69 bow hunting season for deer in New Mexico's Sandia Mountains, near Albuquerque. The trip to the Sandia State Game Refuge was the first for Mr. Geronimo, who lives on the Mescalero Apache Indian Reservation near Ruidoso, New Mexico. During a break in the hunting, Mr. Geronimo uses the vantage point of the 10,687-foot Sandia Crest to point out the sprawling metropolis of Albuquerque far below to Bill Crawford, editorial cartoonist for Newspaper Enterprise Association, New York, and Miss Barbara Chambers, a member of Sears Student Fashion Advisory Board and crowned "Miss Robin Hood" for the Sandia hunt.

Staghorn Has New Catalog

Staghorn Archery Co., makers of fine bows since 1951, have announced that their 1969 Catalog is just off the press and ready for your review. This 12-page, fully illustrated catalog is yours for the asking. Write: Staghorn Archery Co., Merrill, Wisconsin 54452.

Del Rio Industries Inc. has recently introduced a brand new design self-contained 11½-foot model, the "Grande", for conventional and "longhorn" model pickups. It is one of the first models, according to the manufacturer, to be designed specifically for Chevy and GMC "longhorn" models.



Featuring a convenient side entrance, the Del Rio "Grande" has a stylish solid rear panel, with window opening only. Side entrance and solid back panel together promote easy accessibility, especially when carrying a cycle across the back.

James Baker, sales manager for Del Rio, also pointed out that standard equipment includes Monomatic toilet, stall shower, 56-gallon water tank, electric water system, twin butane tanks, Magic Chef eye-level range, 4½-foot butane/ electric refrigerator, fluorescent lights, anodized moulding and automotive underseal. "Grande" model sleeps 4 or 6, in optional arrangements, with a wide choice of decorator interiors.

Del Rio has a complete line of cabover campers, from nine feet up through this largest new model. For more information, contact the manufacturer: Del Rio Industries, Inc., 14340 Arrow Highway, Baldwin Park, Calif. 91706



New executive appointments for Plas/Steel Products, Inc. were announced this week by S.M. Shobert, president of the Walkerton manufacturer of fiberglass recreational equipment.

Robert Gray is the Marketing-Sales Manager of the firm's Archery Division and will also be responsible for the sales of its Winter Sports equipment including Glas-Lite Ski Poles and Glas-Lite fiberglass toboggans. For the past 12 years, Gray has been with the Ben Pearson Archery Co. where he was national accounts manager and then national sales manager.

All of Bob Gray's business life, except for a two-year interruption for active duty in the Korean War, has been related to sporting goods sales. From 1949 to 1954 he had his own business, Gray Archery Co., Cleveland, which manufactured and sold arrows that met the exacting qualities he demanded for his own bow hunting.

Bob has been an active and successful bow hunter since his high school days and has taken, personally, most of the North American big game species. Shobert noted that Gray is well known and respected by archery buyers across the nation and would be backed up on prompt delivery of Glas-Lite fiberglass arrows, bows and archery equipment from Plas/Steel's new production facilities in South Bend and Walkerton, Indiana.

Shakespeare Announces Six Promotions

Stephen W. Trehwella, president of Shakespeare Company, Kalamazoo, Mich., announced several promotions at the corporate and divisional level.

Two new corporate positions have been created by the board of directors. Ben T. Hardesty was elected marketing vice-president; he had been president of Pflueger Corporation, a Shakespeare subsidiary. Merlin J. Claucherty was elected financial vice-president. He will also continue as Shakespeare's treasurer and assistant secretary.

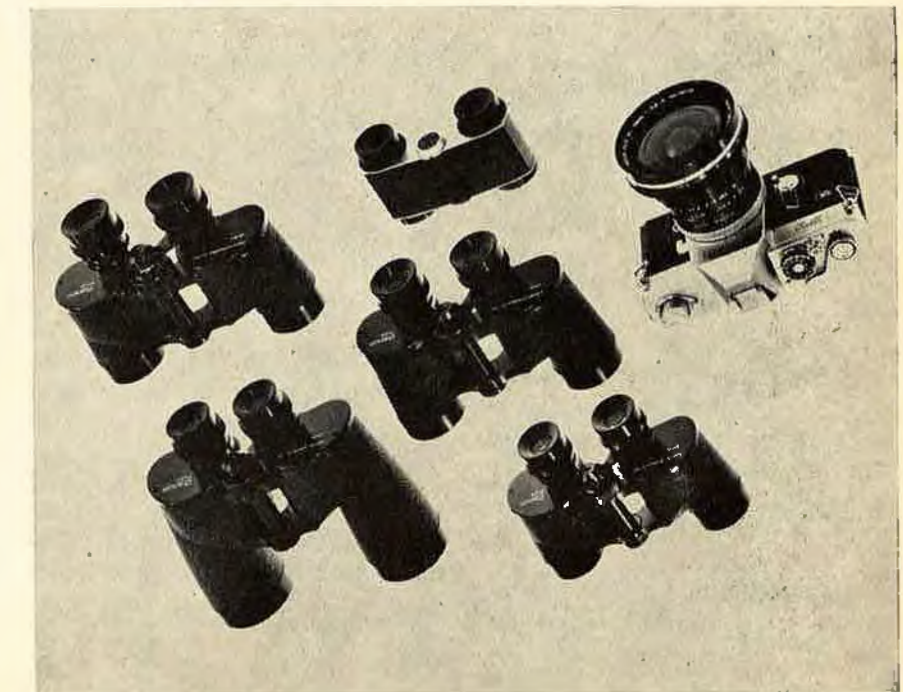
Richard D. Tackett has been elected president of Pflueger Corporation to succeed Hardesty. He has been assistant to the vice-president for sales and advertising for Shakespeare. Clyde E. Rickard has been named to succeed Tackett; he has been serving as general sales manager of Shakespeare Company sporting goods division.

C. A. Adams, Shakespeare sales representative based in Birmingham, Ala., has been named to replace Rickard as general sales manager. Taking over the territory covered by Adams is Dale Shuck, who has been in Shakespeare's sales department since 1968.



PROPANE CONVERSION KIT—BernzOmatic Corporation's new kit for converting gasoline camp stoves to propane is being introduced with a special promotion price of \$7.94.

Bell & Howell Introduces New Line for Sportsmen



Four prism binoculars and one sports glass make-up a new Canon line introduced by Bell & Howell. The ultra-wide-angle 19mm lens on the Canon camera symbolizes the close quality relationship between the two types of products. The same precision that Canon is known for in photographic lenses is now available in binoculars.

Announcement

Marvin Kleinman, President of the National Archery Association just announced that tryouts to select the archers to represent the United States in the first World Field Archery Championships will be held July 12-13, 1969, at the famous Seven Springs Resort area in Champion, Pennsylvania.

Applications and information for entering the tryouts are available from the N.A.A., P.O. Box 306, Ronks, Pa. 17572.

**Don't Miss The
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It will have a 24-page
BONUS
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and Bowhunters**

MAIL QUIVER—

(Continued from Page 7)

To my horror, the other day I watched an archer turn blue as he shot and then gasp for breath as he finished the end. He had taken my recent letter seriously (March '69, ARCHERY WORLD) and he was trying to develop lung power to hold his breath while he shot each end.

Print this retraction, and I promise not to be funny again.

Sincerely,
Gil Frey
203 Laytonsville Rd.
Gaithersburg, Md. 20760

Dear Editor:

Flight enthusiasts have pioneered many of the great archery breakthroughs of the past, such as the strap release, the keyhole bow and the careful matching of arrows with a bow. Target archers are just now realizing the importance of this last item. Also, the sheer efficiency of the flight bow may never be matched by target bowyers.

A while back, I got to wondering what other secrets the flighty-people might have that could be put to good use in target, and the only thing I could think of was the way they nock their arrows high on the bow string to insure a clean lift-off.

So, I gave this a tongue-in-cheek try one night at our local indoor and I nocked a full inch above perpendicular. I had the feeling I was shooting down hill, but the end result was worth mentioning.

I shot a sanctioned 298 score and you can take my word for it, I am not a 298 shooter. I had never been close to that kind of a score before.

The following night I shot an 838 Chicago Rd., by far my best

—but then it was “gone” again.

Sincerely,
Gilbert J. Frey, Sr.
203 Laytonsville Rd.
Gaithersburg, Md. 20760

Dead Editor:

The article on Chuck McCormick brought me back nine years to the 1961 National Field Tournament in Hot Springs, Arkansas.

I had met his father early in the day and we were waiting for him to come off the range. There I saw a little blonde haired boy with a quiver hanging to the ground, dragging his feet, and a sad look on his face. The animal rounds had just finished and a girl named Susan Pierson from Pomona, California had a higher score than he did. Susan 715; Chuck 695.

I told him then, to be a champ takes a lot of practice, (and it looked like that is what he did) and there will be other tournaments.

His dad and I then took him to the restaurant; and to have seen that boy put away hamburgers and coke, his disappointment must have left him or he was getting revenge on those hamburgers.

A picture of Chuck in the crowd is shown in ARCHERY magazine of August, 1961.

We have a wonderful time in Hot Springs and I am sending you his score.

I haven't seen him since, but I sure remember that boy's face when he stepped up for that 3rd place after it was all over.


Please print this or see that he gets it.

Good Luck Champ,
Doak N. Miche
R. R. #2, Box 2886
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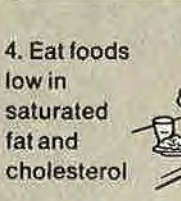
2. Control high blood pressure



3. Don't smoke cigarettes



4. Eat foods low in saturated fat and cholesterol



5. Avoid overweight



6. Be physically active



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The Game Plan

by Sherwood Schoch

Anymore, football season begins officially in July when the college all-stars of year-before take on the professional football champions of year-before at Soldier's field in Chicago.

From that time on through mid-January when the Superduper-whooper pro bowl game wraps up the year's play, most every Saturday and Sunday we get to watch double-header and even triple-header football programs on the boob tube.

Weekly predictions are forecast by sports experts as well as weekly naming of "bests" following the weekend play. The mathematicians and analysts follow the games very closely to detect playing traits, offense weaknesses and strengths; defense weaknesses and strengths; quarterback strategy tendencies; etc. From the digestion of these facts they are able to quite accurately predict the overall outcome of most football games and which ball clubs can win.

From this same mass of information the coaches and team managers are able to direct their proteges and form their planned attack. This plan is what we all hear the weekend game commentators refer to as the *game plan*.

The *game plan* is the pre-mapped strategy of offense and defense laid out by those in charge of the winning and the losing; namely the coaches and managers.

So now what is this column all

about, football or archery. Of course its archery and what we are leading up to is proving once more there are no accidents in the successful ranks of archery. The winners and near winners of events didn't win or almost win because of luck or hap-hazard guesses at what they were doing. They had a *game plan*. Some have formulated better game plans than others; still others have simply followed their game plan better. A few, very few, might even have learned through experience and trial of various *game plans* that they can change the plan in the middle of the match and come up successful. How many times does a football team retire to the dressing room at half-time, behind in the score, only to come from behind in the second half and surge to victory? Chances are the coaches made a shift in *game plan* during the intermission. Only the most experienced and matured archers should tinker with the changing *game plan*. It is far better to establish your course and then follow it come hell or high water. The positive attitude itself of insisting on no change will produce consistent performances.

An oft and over used cliché in archery is: "If you didn't bring it with you, you won't find it here." Nevertheless, it is more true today, in the era of perfect scores, than ever before. If you plan on taking it with you, then you better prepare it. The it, of course, is the *game plan*.

Every archer we have ever talked to has weaknesses and strengths in various areas. Sometimes the weakness may be a tendency to shoot on the move; sometimes it may be to drop the bow arm. A strength might be solid aiming or a butter-smooth release. The *game plan* must be a predetermined procedure that will take full advantage of the strengths and defend wisely against the weaknesses.

If an archer has not yet progressed in skills or experience to determine weaknesses and strengths then it is best to simply proceed with perfecting of a style and a procedure. This, too, is a *game plan*.

One's *game plan* must be all inclusive, beginning with the type of breakfast eaten, on through travel to the tournament, preparing equipment, taking the shooting line, practice session, and eventual scoring.

If you have been to the International Indoor Open archery tournament in Detroit you will notice an intense line of archers among the top 100 scorers. In fact, throughout the majority of the shooters there is an intenseness but it is most apparent among the top shots. Many will be preparing for each shot with a robot-like series of procedures. Some will appear to be under hypnosis. Under these conditions emotions are strained. The mind does not want to function normally. The muscles become infected with a

tautness. Physiologically, adrenalin is being manufactured at a higher rate, offering the body a special fuel to work with.

Anxiety will be existent in every archer. Those who maturely suppress the detrimental effects of this anxiety will do well and those who do not will not do as well. The best single method of suppressing anxiety that is detrimental is to go with a *game plan*.

Part of that *game plan* should be designed to let the anxiety work for you instead of against you. It will do whatever you best plan. The ones who make it work for them produce superlative performances. The ones who let it work against them drop off in score and shoot less than their average.

One's "average" must be a major part of the game plan. If an archer is averaging only 285, he is foolish to believe he can shoot 295 at the major tournament. Agreed, there will always be isolated exceptions to this kind of planned success but they are few and very short lived.

They are so few and far between that it becomes unprofessional to expect or look for that type of miracle. In the long run it is the planner that cashes the big check or shelves the biggest trophies.

There is continuing and increasing emphasis on professional archery and professional training of archers. This emphasis itself might be considered the *game plan* of all archery. It is an intelligently planned procedure that begins with a professional instructor and ends only when the ideas and methods have been effectively transmitted to a student archer. Let it be clearly understood that student archer and the *beginning* archer are not necessarily

the same creature! Student archers can be, and frequently are, archers that have been playing this game with the stick and the string for many a moon. Some are just learning what this *game plan* thing is after 10 or 15 years of mediocre archery.

Recognizing the need for a *game plan* is not enough. The plan must be positively established. *Game Plans* require total planning and then applied practice before they can be effective. Frequently during champion archer interviews it has been brought to our attention that the champ attended the same event he won, one year prior to his winning it. Then and there he said to himself, "next year I'm gonna . . .", and consequently he does. What he really said was he began a *game plan* for next year's event. The big difference between the champ and the also ran is that the champ not only set a course, but he actually sailed the charted voyage. He might have added to his "next year I'm gonna . . ." thought, "and this is how I'm going to do it."

To go into every element of a *game plan*, as a writer, is next to impossible. There are too many variables. It might be broken down into a number of specifics though. These specifics must be interlaced and fused so as to create solid, planned performances. It is left to the archer and or his instructor to determine exactly how and when to apply which parts of the *game plan*.

The *game plan*:

1. Recognize the need for a *game plan*.
2. Physiological functions (the physical and muscular phases of archery.)
 - a. Style or form.
 - b. Muscle development (exercise and shooting).

3. Psychological functions (thought processes and emotional control).

- a. Maturely evaluate potential (be sure it is possible).
- b. Procedure (do everything the same each time, mentally).
- c. Confidence (proven to yourself).
- d. Concentration (Have so many prepared thoughts that there is no time to think of anything else. Think only of them.)
- e. Competition (compete only against yourself)
- f. Analyze (objectively see yourself)

4. Follow the *game plan*. (Practice exactly like you compete).

Of the specific categories, we believe the *psychological functions* are the most difficult to accomplish and will probably require far more training. At this writing there are probably 1,000 archers in the United States alone that have a shot perfected well enough to accomplish perfect scores yet only four or five, at most 1%, will ever manage the *psychological functions* well enough to let themselves do it.

The ones with the best *game plans* will come the closest.

A CLOUT SHOOT—

(Continued from Page 57)

Scores are thus recorded. See Figure 2 for layout.

With the above arrangement everyone has an opportunity to reach the center of the target. One learns how to obtain the range and good alignment even with winds. There is genuine enjoyment in a well shot arrow, in seeing it arch into the target; a sense of achievement is felt when a successful allowance for the wind has been made.

This becomes fun for all!

JACK WITT—

(Continued from Page 10)


put a flashlight on the target, no other lights. Set your sight and get back twenty to thirty yards. If the arrows are grouping much better than during the daytime, you're *peeking* . . . You see, you won't peek in the dark, because you could not possibly see the arrow.

A person with shooting problems can be compared with the patient that has had a heart attack. Doctors say that patients that have had a heart attack come out of it in one of three ways: (1) The patient never actually admits that he has had an attack. This patient usually has another. (2) The patient feels whipped, both mentally and physically, and remains a semi-invalid for the rest of his life. (3) The patient admits to himself he has had an attack—adjusts to the fact—and lives a normal life.

Comparing the archer with shooting problems—he, too, falls into three categories: (1) The archer never admits he has shooting problems. He continues the bad habits and usually drops from the sport. (2) The archer feels that he will never do any better, he is whipped, and never really tries. (3) The archer admits to himself that he has some bad shooting habits. He goes to a PAA Instructor to find what he can do to remedy these habits. His scores begin to show improvement within a short time.

When champions begin to develop bad habits, and they do, their first thought is to go back to the fundamentals of shooting. They check each part separately: the position of the bow hand, the bow arm, the anchor, the release, the follow through, their aiming. And, since we can't see ourselves, they usually go to another Pro and ask him to watch them shoot.

Yes! The little habits, most of them bad, are easily developed, and all are developed for a reason. The longer you continue with the bad habits, the harder they will be to break.



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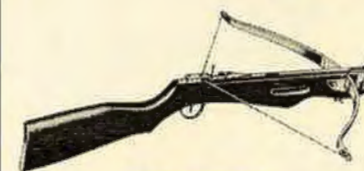
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**The Spirit of Man
Is Like A Bow**

Dear Mr. Lanigan:

Here are some thoughts which passed through my head one cold morning while sitting on a deer stand in the mountains of north Georgia. The hunt was unproductive and this writing is all that I have to show for the effort.

The spirit of man is much like a bow. It must be right for him, it must suit his individual personality. It must be strong enough to do the job demanded by him, strong enough to project his will, strong enough to produce some tension while being bent.

The spirit of man like the bow ought not to be so strong that it fails to bend under his will for tension and pressure may bring the bow or the bender to a breaking point.

The spirit of man like the bow must be able to absorb shock during use and be able to withstand a certain amount of abuse during practice so that when put to the real test he will have confidence and faith in its proven ability to serve him.

The spirit of man like the bow must not be overburdened with accessories for these drain off much energy that needs to be focused toward the prime objective.

The spirit of man like the bow must be tuned to perfection for maximum efficiency and as it is used it must be checked and rechecked in order that it keep its potential near peak performance.

The spirit of man like the bow needs a certain amount of concealment so that its greatness might not be seen as beauty, for a light reflected only announces its presence. Its great strength lies in the hands of its master when put to the test, not in its beauty alone.

The spirit of man like the bow ought to be well balanced, it must be held firm enough for control yet loose enough so that its maximum efficiency might not be stifled by the one it serves.

The spirit of man like the bow ought to be bent and tested year round—for the moment of truth arrives slowly and silently and often departs fleeting—if long out of use its great accomplishments may never be known.

Beecher DuVall

your ARCHERY WORLD book shelf



NEW—THE ARCHER'S BIBLE, by Fred Bear. 160 pages of Archery Knowhow. The most complete guide to target shooting and Bow Hunting, equipment, clubs, how to buy and use Archery tackle. Over 150 illustrations. Just released, \$1.95.



ARCHERY—No one has ever told the history of the bow and arrow and of the men who wielded them as well as the author of this classic work, first published (in the Badminton Library) in 1894, and now reprinted for the first time. The forms of bows and arrows; the performance of different ones; the techniques of drawing and loosing the arrow, including the use of thumb-rings, are all fully described in this book. The authors also discuss ancient and savage archery military archery of the Middle Ages, the English longbow and its production, handling, and effectiveness; and the records set by the historic masters of archery. \$12.00

THE NEW HUNTER'S ENCYCLOPEDIA — In 1154 pages with 2047 drawings and photos, all about game distribution, legal seasons, guns, ammunition, hunting dogs — everything man needs to know to hunt large and small game in North America. \$24.95



POCKET GUIDE TO ANIMAL TRACKS—Text and pictures identify the signatures of nature's creatures in soft ground or snow. Prints, habits, characteristics, and sketches of 44 North American big and small game. \$2.95

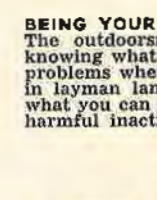


At long last, **POWER ARCHERY** "revised" is off the press. Here is the one book that has really excited archers—their search for better scores. 96 pages of methods, ideas, techniques and pictures. \$1.95



SKILLS FOR TAMING THE WILDS by Bradford Angier is a complete primer on what man knows about getting close to nature—the comfort-coaxing low-down on civilizing the rough country . . . on making do with little and enjoying it. \$6.95

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