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July 1971 60¢

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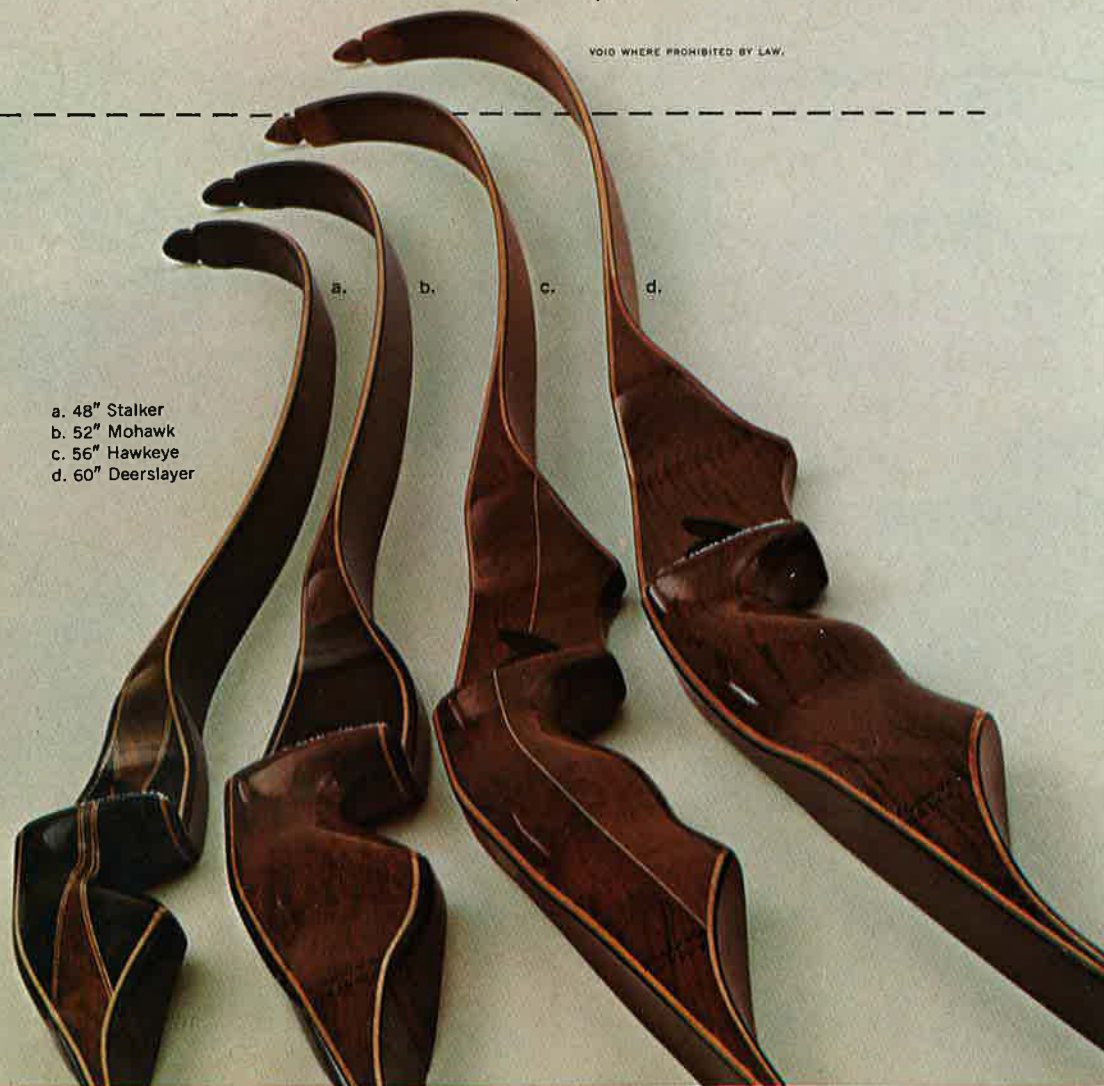
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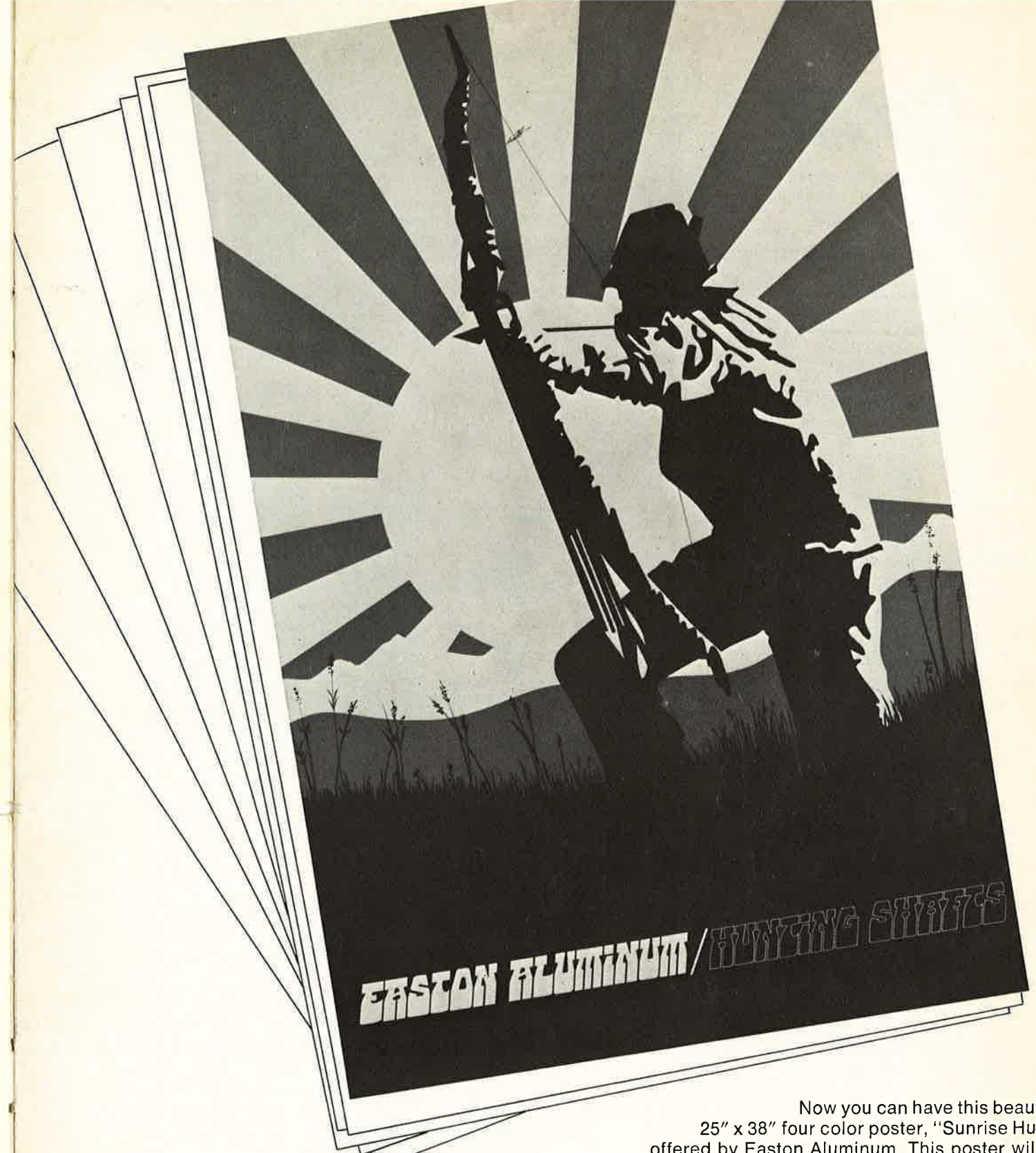
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# ARCHERY WORLD

The official publication of  
the National Archery Association

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**A Market Communications, Inc., publication**

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ARCHERY WORLD is published bi-monthly by Market Communications, Inc., 534 North Broadway, Milwaukee, Wisconsin 53202. Second Class postage paid at Milwaukee, Wisconsin.

Editorial and Advertising Offices:

534 N. Broadway

Milwaukee, Wisconsin 53202

Subscription prices are \$3 per year in the United States and \$4 per year elsewhere. Address all subscription correspondence to Archery World at the above address, and include a recent mailing label when possible. When changing address, give old and new addresses and ZIP codes and allow eight weeks for change to become effective.

Editorial material, manuscripts, photographs and art work submitted to Archery World must be accompanied by self-addressed envelopes and return postage. All contributions receive consideration, but the publisher assumes no responsibility for unsolicited material. Copyright © 1971 by Market Communications, Inc.; all rights reserved.

Postmaster: Please send notices by Form 3579 to 534 N. Broadway, Milwaukee, Wisconsin 53202.

## WE'RE INVITED TO RUSSIA

Representing the U. S. in an international archery tournament in Moscow the week of May 24 will be Hardy Ward, Doreen Wilbur, John Williams and Nancy Myrick. Clayton Shenk will accompany the team. Trip is funded by the Russian Archery Federation, U. S. Olympic Committee, and the NAA.

## SPECIAL FEATURES

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NAA and AIAA-ALOA have ratified. NFAA will, if all others do. PAA is polling its members. We're betting that it will pass, and be accepted by all four groups.
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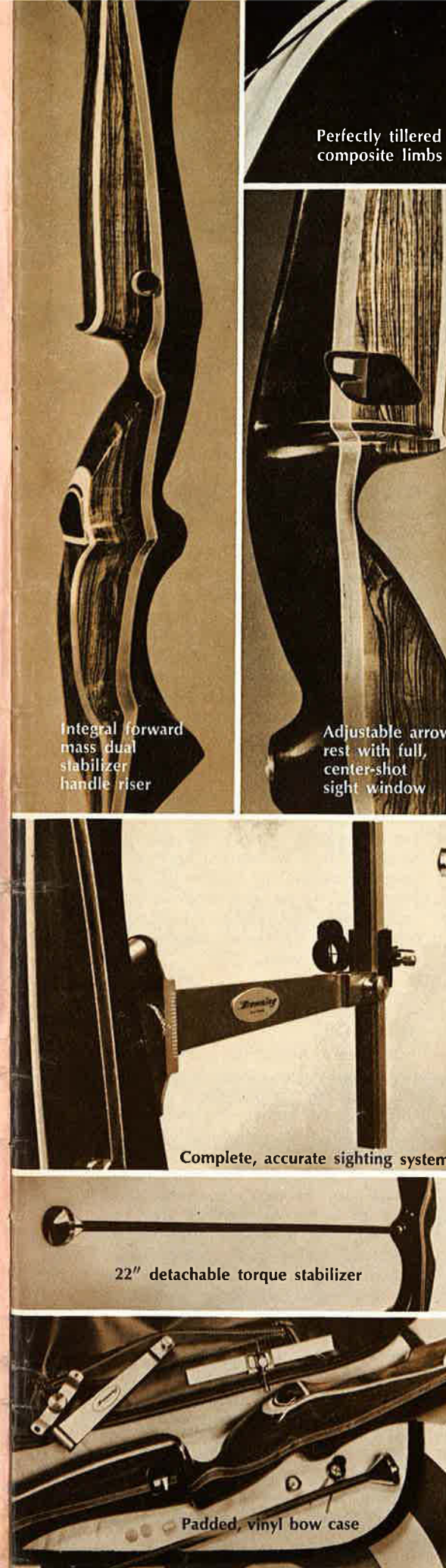
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Competitive archery seems to be perennially loaded with problems and questions, many of them based around the legality of various items of tackle and gear. The crux of the rule recommendations from the AAC at Detroit recently focused on the use of release aids and the compound bow in sanctioned shooting. See the story inside.

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Archery World welcomes your comments on any topic relative to archery. Address your letters to Write On, Archery World, 534 N. Broadway, Milwaukee, Wisconsin 53202.

#### ARCHERY IN THE BIG TIME

If a sporting magazine with the stature of *Sports Illustrated* chooses to do stories about our sport (Feb. 15, 1971) like the one they did about the release problem and the Las Vegas Open, then I think it's up to us to let them know they're on the right track. Maybe more people out there in the great sporting world would find something of interest in archery. So let's all let SI know that we appreciate their interest. Send them letters, and urge them to stay interested in archery.

Gary Karnes  
Chicago, Illinois

#### SEALANT FOR BOOTS

In re: Judd Cooney's story "Nowhere Without Footwear". I've always used neatsfoot oil on my boots, but was not quite satisfied with results. I've been trying to find some "Sno-Seal" in my area, but with no results. Where may I find it?

George Solovitch  
Oneonta, New York

Judd replies: "Evidently the merits of 'Sno-Seal' haven't been discovered in the East yet. This wax waterproofing compound is manufactured by Anderson and Thompson Ski Company, 1725 Westlake North, Seattle, Washington. I am sure a letter to them will get you the name of their distributor nearest you. Or you can probably order direct from them if they have no distributor in your area. Be sure to get a couple of cans, because the initial treatment of your hunting boots will take most of one four-ounce can to get the job done properly. From there on, a little Sno-Seal will go a long way."

#### 3-D TARGET QUESTIONS

I have these questions, after reading your 3-D story (February/March issue): Can broadheads be shot into them? What type of calk compound was used? Where can I obtain styrofoam like the Aurora club used? What type of paint was used? What were the antlers made from? What shoulder height were the animals made?

Randy Krueger  
Wausau, Wisconsin

Broadheads can be used, but it's not advisable. They destroy the target quickly. If you do use them, be sure to use tapered or round backed heads, so they can be pulled out of the target easily. Use regular carpenter's wall-board calking material, or floor tile paste. The paint to be used depends somewhat on the material to be used. On most, particularly styrofoam, oil-based paints work best. Water-based paints are ok, except on rainy days. The Aurora club used actual animal antlers on the deer. On horned animals, they first curved a hose to the size desired, then wrapped chicken wire around the hosing to the desired form and covered this assembly with cloth. They finished off each horn with paint. All animal heights used are representative of the actual size of the live animal.

#### JOAD QUESTION

Our Junior Olympic Archery club enjoyed the JOAD columns. When will it return?

Thomas J. Cormach  
Topeka, Kansas

We fully intend to get the Junior Olympic column back into the NAA pages. To date, we've simply had so much other material announcing shoots and schedules that we haven't had the space for it.

#### THE RELEASE

I'm an instinctive archer of eight months shooting experience, so I can hear both sides of the problem without it affecting me much. I don't think the release should be outlawed simply because of the many perfect scores being shot. The name of the game is free-style, and over the years many changes have improved the sport and reduce human error. I don't think the release is any better than the archer himself. Every class of archers sees people of different abilities, different styles, different equipment. Some even seem luckier than others.

If the release is outlawed, then so should all other gadgets found on a bow. If the game is changed, what happens to the guy who can't shoot 300 with the release? Will those who get bored shooting so many 300s quit? I don't think any dedicated archer will quit.

Maybe we need an "AA Unlimited" class where anything goes. Maybe we need something to separate the super shooters from the rest of us. To be fair to all, we must remember there are still a lot of people who haven't shot 300, and may never succeed.

Gordon Wheeler, Sr.  
Grand Rapids, Michigan

#### MORE RELEASE

You're seeing our renewal check to Archery World only because we're now getting some sense into archery. The release was tearing our league apart. I say a happy goodbye.

John Crull  
Miami, Florida

#### STILL MORE RELEASE

I love the rigorous, frustrating sport of archery that teaches, probably more than any other sport, the power of concentration, self-discipline and really tough competition with one's self as well as with other archers . . . and I don't want to see the sport ruined.

The number of perfect scores have put our game all out of perspective. Perfect scores in any sport should be rare occurrences. People who have put in years of rigorous training to reach the top, only to be beaten by release aids shot by someone who has just picked up the sport . . . man, that's tough to fathom.

We can approve the aids and muddle along, because who can compete with perfect scores. We can make scoring more difficult, but that only puts us back where we started because this would eliminate the ability to use the fingers. Or we can stop the release now and shoot archery in a style that will separate the mediocre shooters from the truly great ones.

Larry Skinner  
Moberly, Missouri

#### AND MORE

It is curious that the essential argument against the release aids and the compound bow is that these things enable an archer to achieve levels of success that in other eras could have been achieved only by months or years of practice. Now, with these aids, a new archer can become reasonably proficient in a few months. Is this bad? The name of the game is to be able to hit the target, and nothing is more discouraging to the new archer than not to be able to do this. As a matter of fact, many older archers have returned to the sport since the development of release aids and the compound.

All the national archery associations have somewhere in their constitutions a pledge to further and promote archery. But by their recent arbitrary rulings regarding release aids and types of bows, they have turned their back on hundreds of their members.

Rube and Mary Powell

# SIX REASONS

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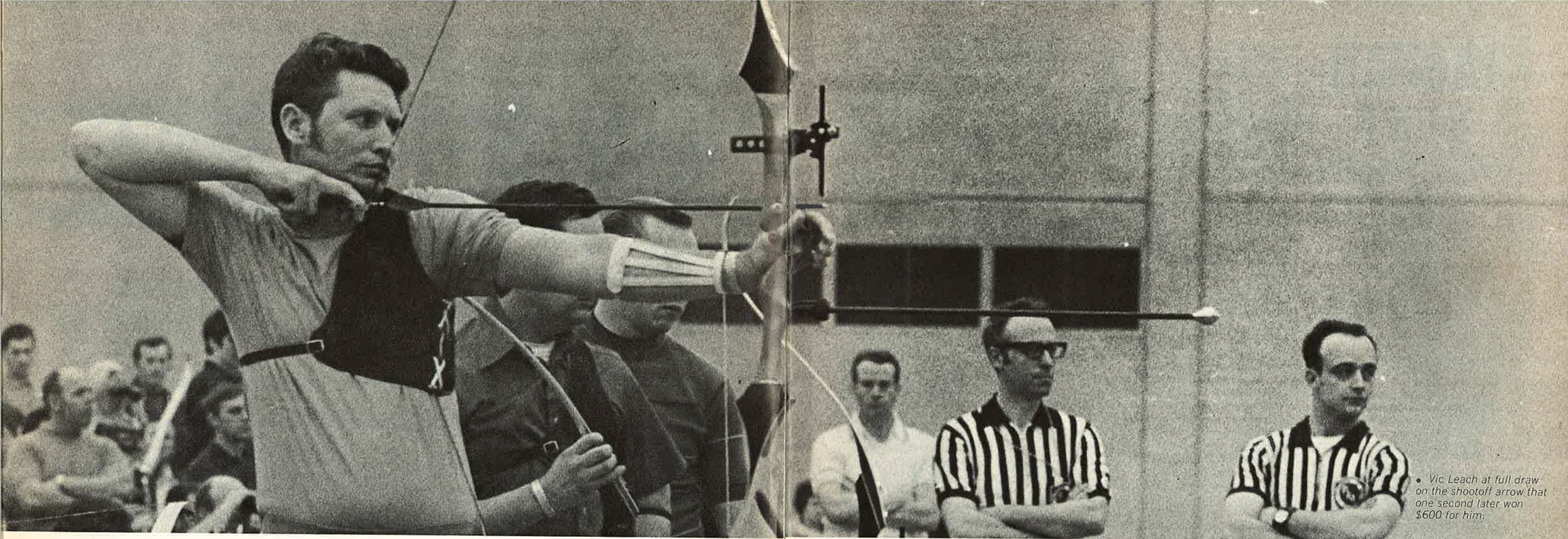


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• Vic Leach at full draw on the shootoff arrow that one second later won \$600 for him.

## LEACH, LIBBY TAKE BEAR AMERICAN INDOOR

by Glenn Helgeland, Editor

SO FAR, in 1971, there hasn't seemed to be an archery tournament just for the sake of an archery tournament. Too many underlying currents. Too much animosity over the question of the release. Too many emotions and not enough thought. Huge worries over attendance, and whether the general state of the economy or the release had affected things. If so, to what extent?

And on that basis, how do you report a tournament? You try, but it comes out in pieces.

First, it was successful enough that there will be another one again next year. Bob Bigler, Bear Archery, Grayling, Michigan, said after the tournament "We were pleased with the number of people that attended. We would like to have seen more (there were slightly over 700 shooters in open, amateur and JOAD competition), but considering the state of the economy

Three-way shootoff for men's crown . . . announcement of AAC rules recommendations highlight 1971 event.

and other things the response was splendid. The shooters appeared to enjoy themselves, Bob Rohde did an excellent job of running the event, everyone conducted themselves well and showed the enthusiasm we hoped for."

Second, Vic Leach of Sacramento, California—who, considering the excellent way he had been shooting in other tournaments, had been due for a big win—came through in a shoot-off with Don Pfohl, Newburgh, Indiana, and Perry Olson, Rosemount, Minnesota, to take home the \$600 top prize.

Third, Denise Libby, Rancho Cordova, California, successfully defended her women's open title with a 299-293/592 good for \$600.

Fourth, Richard White, Muncie, Indiana, made it three big Junior Olympic wins in a row. He had earlier won his division at JOAD events at the U. S. Open and at the Culver, Indiana, Academy shoot. All three times he shot

perfect 540s. He won the Cobo Hall event in a shootoff with Mike Stupich, Milwaukee, Wisconsin.

Fifth, George Helwig, Cincinnati, director of the JOAD section of this tournament, termed the Junior Olympic turnout "fantastic". Number of JOAD competitors was up 60 from last year's 190, and the 250 shooters this year made it the first time this JOAD event had to double up on targets.

Some 100 JOAD shooters also participated in the regular competition, an excellent number.

Though the total attendance was down, the various conditions of the day did not affect the country's top archers. As announced by Dave Staples, PAA president, during the second day's shooting, 16 of the top 20 PAA-ranked pro men and 7 of the top 10 women were at Detroit.

Leach, Pfohl and Olson shot through two ends of sudden death shoot-off on the regulation PAA faces, and then, after a short conference with the ref-

erees, agreed to switch to a five-spot target with two-inch spots.

Pfohl and Olson both missed their first shot at the smaller dot, Leach planted his solidly in the white, and it was all over.

"Yes, it's a satisfying win," Leach admitted immediately afterward. "I've come so close before without winning the big ones, that I'm really pleased to get this one."

Asked about the smaller, five-spot target, he said, "We needed something to break the tie. I went through three hours of shoot-off tension at the Bonnie Bowmen shoot a couple of months ago, and I don't ever want to go through anything like that again!"

He said the smaller spot may have been less of a factor to him than to either Pfohl or Olson, because he has been shooting longer and in more of the major tournaments. "But, still, it's not the target, it's the shooter that makes the win. The smaller spot is definitely the way to go for shoot-off



• George Helwig, AAC Equipment Committee chairman, reads his group's recommendations.



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competition!"

Next for him? "The PAA Nationals. After this, I'll be up for that shoot."

Leach had finished second at the Cobo Hall shoot in 1966, and until late in the shooting during 1970's event had been tied for first.

He shoots a 70-inch, 32-pound Golden Eagle bow and 28-inch 1814 aluminum arrows. He was using a release made by Frank Ketchum.

Denise Libby, after a near-perfect opening round 299, dropped down to 293 the second day. And the manner in which she closed out her second round may have almost upstaged her win. After shooting with a release the first day and most of the second, she discarded it and shot the last few ends with her fingers. Shooting with her fingers, she dropped one arrow when she lost her anchor slightly, released anyway—"the shot still felt good"—and hooked it just enough on her sleeve to push it out into the two-ring.

Why the dramatic switch? "After what happened yesterday (the AAC rules recommendations were announced at the conclusion of the first round), I thought it might help quiet some of the acrimony if I took a crack at it with my fingers. I hadn't shot fingers in a week, and I thought if I could still do well enough after the layoff a few more people might believe that it can be done successfully. I believe that if a person is dedicated and devotes the time to finger shooting, it can be done well."

So now we come to that *other* part of the tournament that everyone had been waiting for. It had been announced at the U. S. Open in Las Vegas that the AAC Equipment Committee would announce their rules recommendations at Detroit, and there everyone was, at Detroit and waiting for the decisions.

Committee members George Helwig, Joe Rusinek, Dave Staples and Pat Wingfield took the microphone in turn and announced why they made the decisions they made, and why they believed in the need for a unified sport of archery.

They also asked for a clear, sober judging of their recommendations. Whether this comes about remains to be seen.

George Helwig, as committee chairman, read the entire recommendations (they're printed in their entirety on the pages immediately following this article).

What were the reactions? Obviously, they were split. There are shooters who feel fingers are the only *true* archery. There are release shooters who are having more fun shooting high scores now than they ever were before. There are "defensive" release shooters who went to them to compete successfully against the higher scores.

And there are "unity" shooters who don't seem so concerned about the means as they are about the end (which is not a pun on archery terminology). That desired end is a unified strength among all of archery which will once and for all set up a governing body which can say "This is the way the game will be played!"

Someone has to decide. The archery organizations, archery clubs and archery individuals have been making their own rules—often in quite divergent directions—for the past 90-some years, and the resulting brouhaha has not really advanced the sport of archery.

## 1971 BEAR AMERICAN INDOOR OPEN

### MEN'S CHAMPIONSHIP DIVISION

Vic Leach	600/300-300	\$600
Donald Pfohl	600/300-300	450
Perry Olson	600/300-300	450
Joe Perea	599/300-299	313.33
Tom Daley	599/300-299	313.33
David Jackson	599/300-299	313.33
Gene Lueck	598/299-299	250
Billy Schultz	598/299-299	250
Robert Rowe	598/299-299	250
Junis Ingle	598/299-299	250
Vic Berger	598/300-298	250
Dickie Roberts	598/298-300	250
Jim Quarles	598/299-299	250
Jack Lancaster	597/298-299	157.50
Ed Rohde	597/297-300	157.50
Wayne Sanderson	597/299-298	157.50
Bill Mills	597/298-299	157.50
Frank Pearson	597/299-298	157.50
Bill Grayson	597/297-300	157.50
Dave Young	597/299-298	157.50
Hollis Webster	597/299-298	157.50

### WOMEN'S CHAMPIONSHIP DIVISION

Denise Libby	592/299-293	\$600
Lucy Drake	590/294-296	350
Pat Meinecke	589/295-294	250
Jody Hansen	588/298-290	200
Nancy Sanderson	585/292-293	175
Mary McCoy	584/293-291	150
Lucille Stametz	583/290-293	125
Gwen Learn	582/295-287	75
Pansy Brown	582/287-295	75
Donna Due Moul	582/293-289	75

### FLIGHT ONE

James Gardner	594/295-299	\$135
Bill Kronyak	592/294-298	125
Bill Kerner	592/295-297	125
Dean Tway	592/293-299	125

### FLIGHT TWO

Jerry Smith	590/291-299	\$115
Lee Burden	589/291-298	107.50
Ed Piaskowski	589/292-297	107.50
Don Rowe	588/292-296	50
	588/291-297	50

### FLIGHT THREE

Bob Hall	583/286-297	\$92.50
Donald Surges	583/287-296	92.50
Dick Drake	580/287-293	85
George Causie	570/285-294	80

### FLIGHT FOUR

Harvey Gray	574/284-290	\$77
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Bob Park	574/284-290	77
Larry Wilson	573/281-292	48.66
Tom Duplain	573/281-292	48.66
Kent Sawmiller	573/283-290	48.66

### FLIGHT FIVE

Don Ellison	571/278-293	\$70
Gloria Fudenberg	569/279-290	68
Jim Ivy	568/278-290	65
Robert Gallandt	568/279-289	65

### FLIGHT SIX

Richard McDonald	564/276-288	\$62
Richard Burr	563/277-286	60
Ray Barnes	562/275-287	58
Billie Van Zant	561/277-284	56

### FLIGHT SEVEN

Arthur Klein, Jr.	556/274-282	\$53
Glenn Lindzy	556/274-282	53
Lee Saxman	555/273-282	49
John Godin	555/273-282	49

### FLIGHT EIGHT

Robert Horn	556/269-287	\$46
Ed Helgason	555/268-287	44
Steve Kline	553/271-282	41
Rip Billiet	553/270-283	41

### FLIGHT NINE

Roberta Marshall	539/259-280	\$38
Wilma Causie	538/263-275	36
Joan Hurst	537/263-274	33
Fred Meinecke	537/261-276	33

### FLIGHT TEN

Jerry Voth	511/253-258	\$30
Hattie Campbell	510/249-261	28
David Getter	509/243-266	26
Mary Eastman	508/252-256	24

### MEN'S TEAM OPEN

Flex-Fletch/Minnesota 1196 \$400  
(W. Hagemeyer, W. Sanderson, P. Olson, K. Gould)

Shakespeare-California 1195 350  
(V. Leach, J. Taylor, T. Daley, D. Libby)

Richmond Archers-Virginia 1191 300  
(L. Haynes, J. Quarles, C. Necessary, J. Shively)

Michigan Four 1184 250  
(R. Bitner, J. Clauss, G. Clauss, D. Roberts)

Illinois Number One 1182 200  
(P. Shepley, G. Chapman, J. Smith, E. Clarke)

Ohio Pro's 1180 75  
(V. Berger, S. Robinson, A. Werner, D. Perry)

Indiana Number One 1180 75  
(J. Hansen, L. Koertge, A. Vochris, D. Tway)

### WOMEN'S TEAM OPEN

Indiana Women 1159 200  
(J. Hansen, W. McCoy, J. Nelson, I. Ingel)

Shakespeare-Michigan No. Two 1127 175

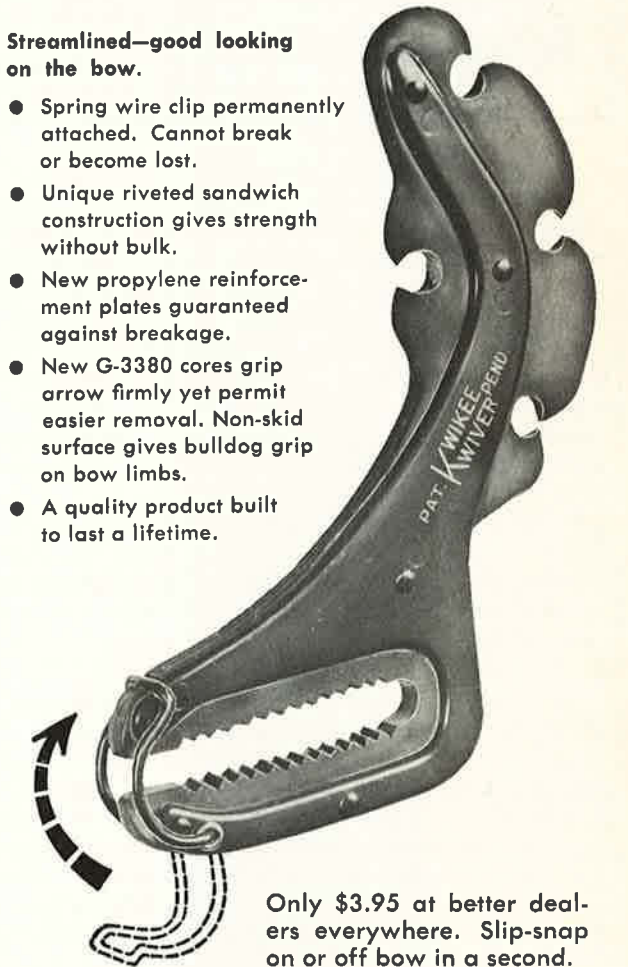
(scores continued, page 22)

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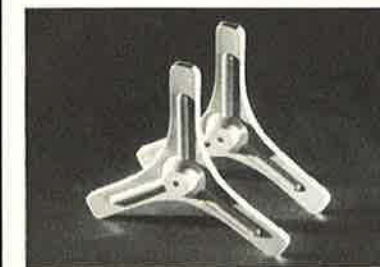
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## American Archery Council Standard Equipment Recommendations

THE GAVEL has sounded, with a call to order. For order, along with unity, harmony, and purpose, have been relatively absent from archery's court over the past few years.

So at Las Vegas in January four members of the AAC were appointed to an Equipment Committee to decide what should be the basic rules governing equipment that could be legally used in sanctioned shoots. Those members of the committee are George Helwig, chairman, representing the NAA; Joe Rusinek, AIAA-ALOA; Dave Staples, PAA; and Pat Wingfield, NFAA. These members, and all of the Ameri-

can Archery Council, agreed that there is a need for unity that transcends all their individual interests.

In the 60 days between Las Vegas and the Bear American Indoor shoot at Detroit, they examined all surveys, written information, opinions—any thing that had come to light regarding the problems of competitive archery—and made a unanimous decision.

"We had to get clear to the core of competitive archery," was the consensus of the committee. "There have been plenty of unanswered questions for too long, too much uncertainty, too little unity of purpose."

### I. Archer's Equipment

1. This article lays down the type of equipment archers are permitted to use when shooting sanctioned events of the member organizations of the American Archery Council. (These rules do not apply when sanctioned FITA Rounds are shot.)

2. Items of equipment not mentioned or covered in this article are consequently not allowed without prior approval of the American Archery Council Equipment Committee. Further, it will be necessary to place before the Equipment Committee any equipment or part thereof for which approval is requested.

3. No archer shall be barred from a tournament because of a physical handicap unless his or her shooting requires mechanical aids which, in the judgment of the field officials, would give him or her undue advantage over the other archers.

### II. Definitions of allowable equipment

1. A bow of any type may be used provided it subscribes to the acceptable principle and meaning of the word "bow" as used in competitive archery: e.g. an instrument consisting of a handle (grip), riser and two flexible limbs each ending in a tip with a string nock.

a. The bow is braced for use by a single bowstring attached directly between the two string nocks only, and in operation is held in one hand by its handle (grip) while the fingers of the other hand draw, hold and release the string.

2. A bow string may be made up of any number of strands of the material chosen for the purpose, with a center serving to accommodate the drawing fingers, a nocking point to which may be added serving(s) to fit the arrow nock as necessary. To locate this point one or two nock locators may be positioned. In each of the two ends of the bow string a loop is to be placed in the string nocks of the bow when braced. In addition, two attachments may be used:

a. The kisser button not to exceed 3/8" in any direction.  
b. The string peep not to exceed 1" total length or 3/8" total width.  
c. Contrasting color servings may be used on bowstrings, as may string marks.

3. An arrowrest which can be adjustable, a plunger, an arrow-plate and a draw-check indicator may all be used on the bow provided they are not electric or electronic and do not offer an additional aid in aiming.

4. A bowsight, a bowmark or a point-of-aim on the ground for aiming are permitted, but at no time may more than one such device be used.

a. A bowsight as attached to the bow for the purpose of aiming may allow for windage adjustment as well as elevation setting. A single lens prism as well as a bow level will be allowed.

b. A bowmark is a single mark made on the bow for the purpose of aiming. Such mark may be made with pencil, tape or any other suitable marking material.

1. A plate or tape with distance markings may be mounted on the bow as a guide for sight marking, but must not in any way offer any additional sighting aid.

c. Any type of point-of-aim may be used which does not protrude more than six (6) inches above the ground and does not interfere with shooting or scoring.

5. Stabilizers on the bow are permitted provided they do not:

a. Touch anything but the bow.  
b. Represent any obstacle to other archers as far as place on the shooting line is concerned.  
c. The number of stabilizers mounted shall not exceed four (4). (The term "stabilizer" shall also include counterbalancing weights.)

6. Arrows of any type may be used, provided they subscribe to the acceptable principle and meaning of the word arrow as used in competitive archery, and that such arrows do not cause undue damage to target faces and buttresses.

a. All arrows used shall be identical in length, width, diameter and fletching with allowances for wear and tear.  
b. An arrow consists of a nock, shaft and arrow head (point) with fletching and, if desired, cresting.

7. Finger protections in the form of finger stalls or tips, gloves, shooting tab or tape (plaster) to draw, hold and release the string are permitted, provided they are smooth with no device to help to hold and/or release the string. A separator between the fingers to prevent pinching may be used. On the bow hand an ordinary glove, mitten or similar item may be worn.

8. Field glasses, telescopes and other visual aids may be used between shots for spotting arrows as long as the archer does not leave the shooting line.

a. Ordinary spectacles as necessary or shooting spectacles provided they are fitted with the same lenses normally used by the archer, and sun glasses, may be used. None may be fitted with microhole lenses, glasses or similar material nor

"Now that we have a solid beginning, we can build—and we emphasize the word "build"—from here for all of archery."

For instance, if all four organizations ratify the proposed rules—and they originally were expected to by May 1, but to date only the NAA and AIAA-ALOA had approved. The NFAA will ratify only if the other three groups ratify it. So the onus falls on the PAA—gear which is illegal under the current proposals could be reintroduced to the AAC Equipment Committee May 2 for examination, evaluation and a decision.

These decisions were made to give competitive archery a direction. Until now, the sport really had none—no stability, no systematic approach toward rules of the game, no standards. Every sport, as it matured, has needed to govern itself harshly but fairly.

The most important thing all archers must keep in mind is unity. There isn't a person around who doesn't want archery to grow.

For the good of your sport, give these recommendations the opportunity to prove themselves. Archery finally is on a common footing. Possibly, just possibly, it has come of age.

marked in any way which can assist in aiming.

9. Accessories are permitted, such as arm guards, chestplates, bowslings, finger-slings, bow-saddles and locators, belt or ground quivers, tassels, foot markers not protruding above the ground more than one-half inch.

a. Ground quivers may be placed on the shooting line while the archer is in the process of shooting but must be removed to the tackle area while others are shooting and during the scoring interval.

III. The referee or his counterpart shall be the final authority in settling any disputes that may arise over the interpretation or requirements of this article.

### A.A.C. Standard Equipment Rule Recommendations for Barebow and Instinctive Shooters.

1. A bow as prescribed in Free Style division with the following exception:

a. The bow must be bare and free from any protrusions, marks or blemishes or laminated pieces which could be used in aiming. The inside of the upper limb shall be without any trademark.

2. The bowstring center serving must not reach above the point of the archer's nose. The bowstring must not in any way offer aid in aiming through peepholes, markings or any other means.

3. A clicker may be used providing that it does not extend above the arrow diameter.

4. No device of any type that may be used for sighting may be used or attached to the archer's equipment.

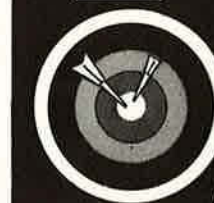
5. There shall be no device, mechanical or otherwise, in the sight window except the arrow rest.

6. A sight window that is altered from standard configuration and not offered as a standard option at no charge by the manufacturer shall not be acceptable.

7. String shall be one color only. A serving of one other color may be used. One nocking point (the point where the arrow touches the string) only may be used. Any marks, ties or string attachments to the string shall invalidate its use in this division.

8. The following items as described in the Free Style class are permitted: stabilizers, bow sling, bow saddle, locator. The bow hand may use a glove or mitten.

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# SHOOTING AT UNDERWATER SHADOWS

For fast action . . . try the delta-winged sea rays found along our East Coast



by Keith Schuyler

"YOU FELLOWS FIND what you're looking for?"

As a matter of fact, we hadn't. Three of us looked up somewhat disconsolately from the boat we had rented at Tom's Cove on Chincoteague Island near Virginia's eastern extremity. We told him the stingrays that we had come to shoot with our bows and arrows had thus far eluded us.

"I thought maybe that's what you were looking for," the stranger said. "I'm Bob Umphlett. This is my wife, Nancy," he added with a nod toward his most attractive boatmate. "I've been watching you and thought that's what you were hunting."

Bob and Nancy had eased their boat next to ours as we sat glumly trying to figure out why the stingrays we had come to shoot had so far seemed nonexistent. The tide had gradually covered the flats where we expected to find them and we were wondering where to go next. Bob had the answer.

"There isn't much time, but I can run you up the bay where I think we can find some rays. Big ones."

We didn't need much more urging to tie our craft to a stake in the bay and transfer to Bob's spotless boat. The three of us consisted of Guy Ekler, Highspire, Pennsylvania; Frank Youngfleish, of nearby Hershey, and me. I live a hundred miles up Pennsylvania's Susquehanna River from Guy at Berwick. Guy engineered the trip since he

had previously hunted with much success at the same spot on Virginia's east coast.

As we sped north, Bob told how he speared stingrays for the sport, but was unfamiliar with the bow and arrow. He appeared quite interested in our rigs. We were using conventional solid fiberglass fish arrows with regular bow reels taped to our hunting bows. However, to the back end of the 80-pound test shooting line, we had attached the line from a light salt water fishing rod. Consequently, if everything went right, once a ray was impaled by an arrow, the line would pay off the bow reel and the fight would then be transferred to the fishing rod.

There was good reason for the rig. A big ray could rip an arrow out even if the heavy shooting line held. Anyway, we were looking for the maximum in sport, and this setup seemed to offer the greatest potential. I had yet to see it work, although chances were improving. Bob cut his motor as he headed into the shallows along some weed beds. He unslung a heavy push pole and moved to the stern.

Within a short distance there was a sudden cloud of mud and a dark shape sped away from the boat. Then another ray sailed away, a telltale cloud obscuring the bottom where the boneless creature had just been.

"They're tough to see," I opined.

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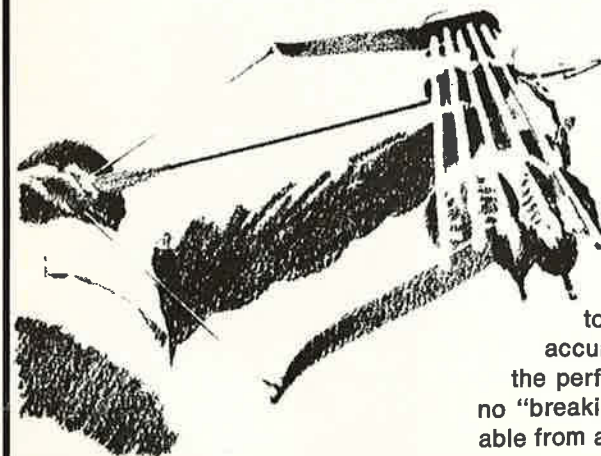
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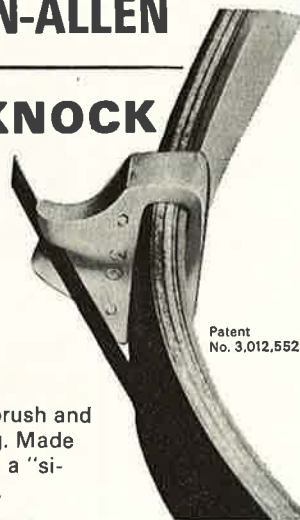
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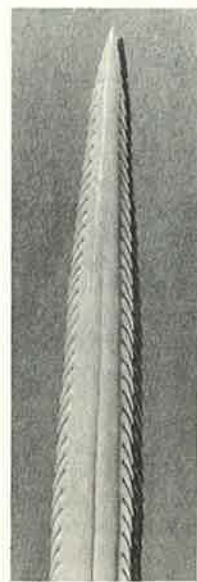
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Tough game, the sea ray and its poison-barbed tail should command your respect.



● It takes most of my muscle to lift the ray for a photo. Notice the poison slot down the center of the stinger, in photo below. All photos by the author.



Guy laughed. "Sometimes they nearly cover themselves with mud. They appear chocolate brown in this water." No more rays showed for some distance. Then I thought I detected a brown spot through the somewhat murky water. I drew quickly and slammed an arrow at the object.

The shallow water exploded in a froth of mud and blood as my shooting line quickly flipped from my bow reel. There was an ominous clattering of my fishing rod as it started after the line. I had forgotten to open the bail on the spinning reel! I grabbed quickly and flipped the bail as the 30-pound test line stripped out rapidly. Finally, the ray slowed, and I engaged the drag. For a few moments the stingray continued as though nothing had happened, the click of the reel screaming its protest. Then, I leaned against the rod with all my weight and felt the big creature turn.

It looked as though it was going to be a long fight as the ray and I alternately gained line. But, gradually I worked it in to the edge of the boat. It was then we discovered that we had left our gaff in our own boat. We had trouble!

For, the stingray, especially one this size, is a formidable creature. The two-edged barbed stingers are extremely dangerous. Not only are slime and dirt on the stinger a perfect setup for gangrene, poison released by the ray can prove fatal. Anyone hit with the barb should get heat on the wound fast, because heat deactivates the poison. Then he should see a doctor. In effect, I had won the match. But the ray was still game, although failing to take more than very short runs against the drag.

"Go ahead, Guy. Give him another one. This could take all day."

Guy grinned back at me, took aim. His shaft dug deep into the vitals of the flapping creature. Now we had two lines on it. Carefully we again worked the ray in to the edge of the boat where Bob waited with a length of rope in his hand.

While we held the creature steady, Bob slipped the rope through its gills. He flipped it over, so that the potentially lethal stinger could not be used effectively, and then he pulled the ray over the side. With one foot on its tail, Bob took his knife to remove the stinger located about a third of the way from the tip of the tail on the top side. It was then we discovered that my ray had a double stinger. After they were removed, there was no further danger.

I estimated this stingray at a conservative 60 pounds, although others thought it would go substantially more. Since we had no way to weigh it, I am only sure that it was extremely

heavy since it took most of my strength to hold it up for photos.

Water and blood made a mess of the bottom of the spotless boat. Nancy Umphlett looked woeful, but she graciously said nothing. We found no more rays as the moving tide churned the bottom. On the way back, it was obvious that Bob was getting hooked on this bow and arrow bit.

After a night in Guy's camper, we were on deck early to give them another try near some clam beds Bob said should be good. We went in his boat. Guy was especially anxious for the opportunity to try out some experimental arrowheads he had made and to test the efficiency of some detergent bottle floats he had brought along.

We cruised along the fences erected to keep the rays from the commercial clam beds. Crustacea make up much of the stingray's diet.

There is no protection given rays, to my knowledge, since they are generally considered pests by commercial netters and clambers.

It was some time before we finally located a patch of seaweed which had a population of stingrays. Frank scored first on a smallish ray that gave quite a tussle when the arrow caught the edge of its "wing". This time, however, we had the gaff aboard. Guy made sure it worked on the ray when Frank got it alongside after recovering the bottle.

Then Guy shot his experimental point into a ray, and he tossed the empty detergent bottle overboard. We watched the bottle take off across the mud flat knowing that it probably wouldn't go out of sight. We looked for more of the rays that kept flipping out from in front and sides of the boat. Then I got into a medium-sized stingray of perhaps 40 pounds and gave it the bottle. This one took off toward a small reef and lay quiet. We continued on, searching the shallows.

Then Guy spotted a big one! Only this time he went back to the fishing rod after the hit. He immediately had his hands full. There was no need to rush, and Guy wanted to handle this one himself, despite our offers of assistance. Several times he brought the big ray in close, only to lose line as it made another charge for open ocean. At last it was alongside. Guy put the gaff to it. It was a good try except that the stingray was too much for one hand. Off it went again — with the gaff. Fortunately, the arrow held, and Guy worked the ray back in until Frank could reach the gaff handle. This one, too, covered a good section of the boat bottom.

The tide was rising, so we turned back to gather up our detergent bottles. Mine produced a fair-sized stingray. Guy's was a smaller ray and ap-

peared to be giving little trouble as he lifted it toward the boat. Again, the experimental point pulled through and the ray slipped back into the water and took off for parts unknown.

Except for the disappointment produced by the experimental fish head which simply wouldn't hold under the tremendous pressure of a stingray, we counted our trip a complete success.

Although the stingray is probably best known, there are about 400 species in the group made up of rays, skates, sawfishes, guitar fishes, electric rays, eagle rays and mantas.

We found the stingray tough enough to test our bows and rods.

When venturing over salt water for bow targets, it is well to go prepared for big game. Some stingrays go well over 200 pounds, and there is always a chance at a shark. Consequently, the solid glass arrows and heavy, sharp, fish heads are in order. A bit of advance knowledge of the type game anticipated should be obtained since there are dangers lurking in salt water for the unwary.

The most important thing to remember about stingrays is that they must strike upward to inflict damage. However, they can sink their barbed spear heads deep into flesh. Bring them in over the boat side inverted until they are helpless. Then, immediately cut the stinger, or stingers, from the tail.

Choice of rods for such bow-fishing is a matter of personal preference. The lighter the rod, the more sport is available. Wrap the line on the bow reel in the conventional manner, leaving enough end when you start so that it can be tied to the fish line. Or, skip the bow reel altogether, and tie the fish line directly to the arrow. This does involve a risk if you forget to keep the spinning reel bail open, since the quarry may take your rod and reel over the side before you can grab it.

Although larger plastic jugs may be used as bobbers, it is much handier to use the small bottles which can be taped lightly to the bow so they can easily be pulled loose if a hit is made. It provides greater mobility for the archer. Strength of line is optional, but it doesn't pay to go too light where large rays may be found. Somewhat heavier line — 50 pounds or more — is recommended, since bringing the fish in hand over hand will not provide the same leeway as is permitted by rod and reel.

For off-hunting-season excitement, there is little that can match the commotion when a big ray is impaled by an arrow. They are tough, strong, available. And, you do a service to commercial fishermen and clam diggers when you make a kill. A photo and the fleshed-out stinger make a memorable trophy of your experience.

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line  
dead on  
target every  
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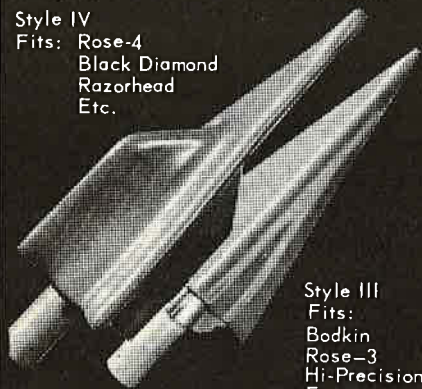
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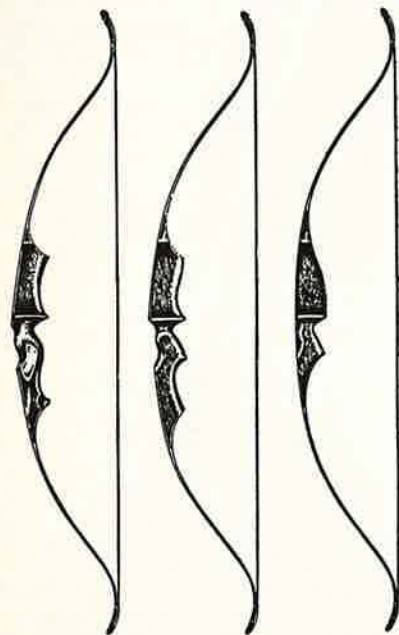
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# THERE'S A BEAR

"After an unbearably long time, he reached the edge of my blind. As he pushed his nose more step and one of us has had it!"

by Dan Behrman

ABOUT 45 MINUTES had passed of the fourth day in my blind. The dawn had brought a clear, beautiful day. I heard sticks popping and snapping downwind from my blind and thought bemusedly it was probably the chipmunk that had pestered me

# IN MY BLIND!

edge of my blind. As he pushed his nose more step and one of us has had it!"

all afternoon the day before. However, with mild anticipation, I readied my bow anyway.

There was more stick popping nearer and louder, so I more carefully scrutinized the brush in an area that was now nearly cross wind from my blind and about eight yards away. I couldn't see anything. It was silent for a few minutes, so I relaxed a little. But then, straight out from the blind and just over the top of its edge I saw a shiny black "Mickey Mouse" hat.

This was it! The culmination of weeks of infinitely detailed planning

and practice. Absolutely according to our script, the bear ambled over to the bait, sniffed about and stuck his head behind an old rusty barrel to eat some honey we'd placed there.

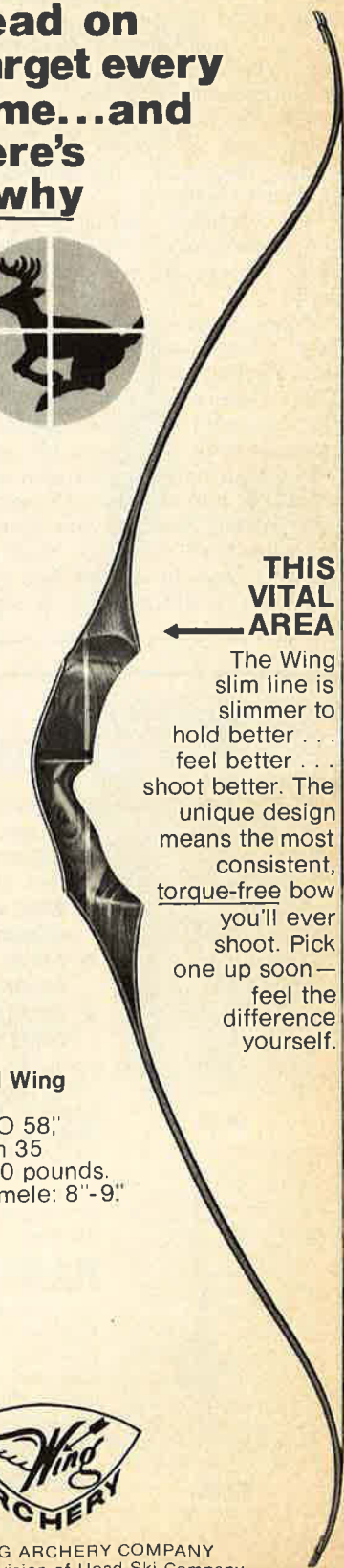
He was the perfect picture for the perfect shot, standing quartering away with head down 12 yards away.

I finally drew the bow and took aim, but I just knew I'd miss or hit the barrel or something like that. I had to relax my draw and try to calm down. I had no way of knowing that at that moment my real adventure was just beginning.

The plans for the hunt really began taking shape in about mid-summer 1969 through casual conversation with my friend Bob Krummy of Stock-

# In the field Wing slim line

dead on  
target every  
time...and  
here's  
why



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*"For the next two hours, his position as quarry and mine as hunter were exactly reversed."*

bridge, Michigan, about 20 miles from my home in Jackson. About three years ago I became interested in archery as a supplement to firearms hunting, which ultimately led to my acquaintanceship with Bob.

Bob has been bowhunting for something over 20 years; his stories of earlier bear hunts had enough spice in them to hook me.

We decided baiting would give the most favorable odds—better than half, I'd say, if you've done things right.

Some people might say that sitting near a bait, waiting to bushwhack an unsuspecting bear, is sheer murder. Don't believe it. You must penetrate that animal's superior defense—his nose, hearing and even his eyes are better than ours—in his own environment, get him less than 15 yards away and position him so your razor-sharp arrowhead will enter his chest cavity. All you have to do the job, are two sticks and a string—and on top of all

this, you must control your own emotions well enough to place a mortal shot. At the very least, you will know that this is a challenging task.

Roy Koski, an outdoorsman friend of Bob's in Aura, Michigan, knows more about woods lore than any other person I've met would help us. Bob and I felt his past experience with bears would give him a good chance to start baiting early in the right spots.

He also knew the best bait to use. Dead fish. The riper, the better. Other goodies, such as ripe soup bones and meat scraps, worked too, but the bear would take a chunk and retire to a thick, brushy area to chew on it. We wanted the bear in one place long enough to give us an accurate shot.

We planned to bring along the clincher—honey—if the fish wouldn't keep that bear's head down.

We arranged the bait site, using all natural materials, in a high walled, "V" shaped structure. One wall pointed toward the blind. The walls also had to be high enough so the bear couldn't get at the bait from behind and the blind had to be situated so the prevailing wind would be favorable.

The blind would be within 15 yards of the bait—with some natural barrier at its back to deter the bear's natural tendency to circle downwind

for a quick check of the scene. We used material from a different area to avoid disturbing the local scene.

Roy began baiting in mid-August. At the same time Bob and I started getting our gear ready and practicing in earnest. We wanted to be ready for the September 10 opening.

My arrows are 31-inch homemade fiber glass shafts with the Bear Razor-head point. This arrowhead is efficiently designed, but I use it without the insert blades to insure maximum penetration; I feel the extra blades may slow the shaft to marginal speed.

I use a Bear Super Kodiak, 60 inches long with 43-pound draw weight. My long draw gives me a comfortable bow sufficiently powerful for any moderately sized big game animal. It draws smooth and stable, with the string quieted by tufts of yarn wrapped around it.

Bob used one of the first bows made by Phil Grable, a nationally known archer and close friend of Bob. He used a sight and also used yarn on his string. It's a 41-pound bow used with glass arrows. Bob's arrows are also home made with helical fletch.

Came September 10, opening day. We hunted for three days and saw only the toe of a bear left in one of Roy's coyote traps. For a while, I thought that would be all I'd see.

Then Bob had to get a plane home. Just before dawn of the fifth day I reached the bait and put out some honey. Then I entered the blind, opened a fresh can of sardines to help hide my scent, and settled down for another day of waiting.

I didn't have long to wait. As soon as that bear appeared I became a shattered, nervous hulk. Believe me, you've just never had buck fever until you've been that close to a wild bear.

The bear finished the honey and started nosing around the site. He smelled my trail and I innocently thought he'd probably run away after smelling me. I was wrong.

Thinking he was going to run, I hurried a shot, but the arrow flew right over his back. As soon as it hit dirt, the bear did run . . . for about five steps. For the next two hours, his position as quarry and mine as hunter were exactly reversed.

The bear stopped and looked back directly at me. Then he began circling to my left. I didn't dare move. He suddenly broke into a run, passed behind me, came into view on my right, and crashed into the brush. I thought he was gone.

Suddenly from about 20 yards to my right and 10 yards above me I heard limbs breaking. He had climbed a tree to try to see me. I sat still and he slid down the tree. Then he started across in front of me through a little stand of saplings. This area was downwind from me; I was puzzled and nervous. The bear ambled through to where I had first seen him and I thought he might come out again. He was now at a point where I could draw my bow with little body movement.

But he wouldn't quite show himself. He sat down, scratched, sniffed around and started back across the sapling patch, moving slowly and sniffing all the time. My excitement was at fever pitch. The bear sat down again and finally moved precisely down wind. He then turned and started walking slowly towards me. I began thinking I might just forego this bow and arrow business, because now I couldn't turn enough to get a full draw and I didn't know whether a bow would be an instant stopper in that position.

The revolver on my hip felt mighty reassuring. I was ready to reach for it.

Very slowly, a foot at a time, he kept coming. After an unbearably long time, he reached the edge of my blind. He pushed his nose and eyes through the last leaves and I thought "one more step and one of us has had it!"

He stopped and stood there, sniffing and looking. We stared at each other for what seemed a hundred years. I didn't move; didn't even

breathe. He looked at me, looked around the inside of my blind, snuffed and sniffed, and looked back at me again. If he couldn't hear my heart-beat then, he must have been deaf.

He finally turned and ambled away. I like to tell people I grinned him down. I rested—"recovered" may be a better word—for another hour or so and waited for him to return, but he didn't. I thought he'd be back later when he got hungry again.

I gathered my wits and gear and left. This experience made my trip a success. If I didn't get another shot, the thrills I'd just had were more than satisfying.

I stopped to see Loren Willey, a friend of Bob. I told Loren of this experience and he gave me some good advice—a person has a tendency to pull harder when excited and usually shoots high. If I got a second chance, he suggested I allow for this. So I went back to the blind with this reminder.

Somehow I never dreamed the bear would be there when I reached the blind. We saw each other at the same time. He took off. I almost did, but he was going the other way and I was too disappointed to move. I decided to put in my time until dark.

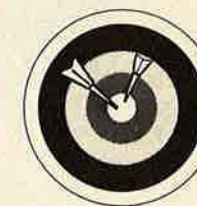
About half an hour later, from directly behind me, I heard loud popping and another bear came out. I waited with more composure for another half hour or so while he ambled into a good shooting position. He approached on the same path I'd used coming to the blind. When he reached a point about five yards from where I'd left the path for the blind, he stopped and looked at me a long time. He must not have seen me, and continued on. When he was past about nine yards, I rose and—remembering Loren Willey's advice—took deliberate aim.

I released and watched the arrow fly, as if in slow motion. It still went high, but was a good hit. It broke his back, paralyzing his back legs. He ran about five yards with his front legs and then started trashing and bawling. I jumped out of the blind, shot him again and in 30 seconds he was dead.

Among the several emotions I experienced at this time—relief, overwhelming happiness, and a little sadness—one of the most impressive things I recall was the devastating effectiveness of this razor sharp projectile.

I marked the spot of the kill with a shaft sent into a large tree behind the blind. It points to the kill site. Someday someone will find that shaft and wonder what the story is. I can tell him—if he'll come sit in a blind with me and help keep the bears out.

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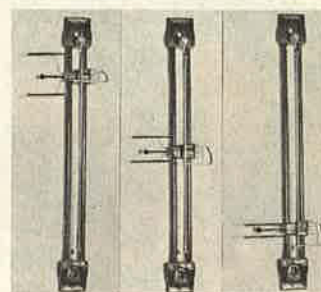
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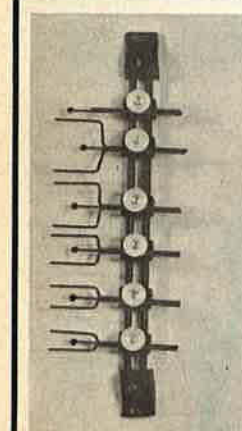
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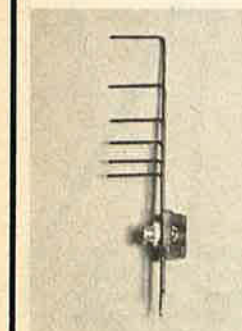
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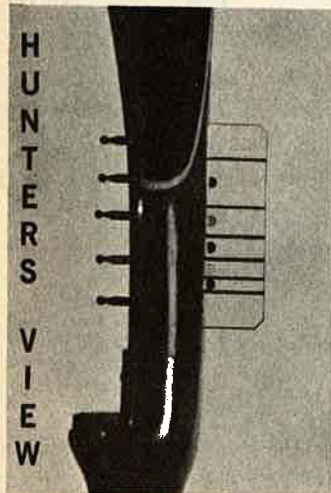
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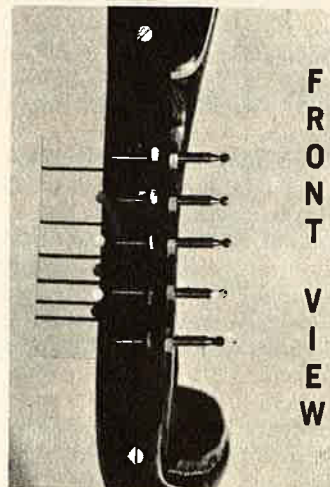
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**BAREBOW**  
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Mike Flier 585/292-293  
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## AMATEUR WOMEN

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Phyllis Long 582/292-290  
Jaye Ashbaugh 581/290-291  
Martha Grannaway 571/289-282

**BAREBOW**  
Shari Cortinas 538/261-277  
Suzanne Copeland 455/234-221  
Marsha Boling 365/176-189

## AMATEUR TEAMS

**MEN**  
Indiana Amateur 1165  
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**WOMEN**  
Wisconsin Amateur 1081  
(B. Kluck, N. Damske, S. Skiera, D. Merritt)

## JUNIOR OLYMPIC

**INTERMEDIATE BOYS**  
Richard White, Muncie, Ind. 540  
Mike Stupich, Milwaukee, Wis. 540  
Cris Rogers, Clinton, Ill. 538

**INTERMEDIATE GIRLS**  
Cincy Bednar, Suffield, Ohio 518  
Jody Brown, Cincinnati, Ohio 518  
Cathy Swartz, Holt, Mich. 518

**JUNIOR BOYS**  
Larry Murdock, Westchester, Pa. 540  
Kenny Woody, Des Moines, Iowa 540  
Richard Bednar, Suffield, Ohio 540

**JUNIOR GIRLS**  
Debbie Reddish, Olney, Ill. 532  
Susan Skiera, Milwaukee, Wis. 517  
Debbie Maclyek, Detroit, Mich. 510

**CADET BOYS**  
Rich Shockley, Lansing, Mich. 490  
Chris Powers, Cincinnati, Ohio 484  
Tony Reamer, Carlisle, Pa. 484

**CADET GIRLS**  
Jodi Crawl, York, Pa. 496  
Lori Matthews, Grand Rapids, Mich. 454  
Lisa Held, Menomonee, Mich. 408

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## Williams, Myrick Win Indoor

To get this material to you and still meet our deadline, we're able to furnish only an abbreviated version of the results from the Second Annual NAA Indoor Championships at Harrisburg, Pa. And here they are: Pro winners were Dave Jackson, Perryville, Md., 863 (of a possible 900), and Marilyn Webster, Washington, DC., 783; amateur freestyle winners were John Williams, Cranesville, Pa., 852, and Nancy Myrick, Pompano Beach, Florida, 818. Barebow honors went to James Connor, Exton, Pa., 743, and Margaret Bellis, Windgap, Pa., 679. Intermediate winners were Frank Mirabello, Brooklyn, N.Y., 826, and Janet Kemmerer, Fort Washington, Pa., 759. (Intermediates shot the same distances as adults.) Junior winners were Larry Murdoch, Westchester, Pa., 865, and Vicki Kimmich, Middletown, Pa., 804.

There will be a complete report of the Indoor Championships in the next issue of Archery World.

## Mark, Sue Vancas Top Amateurs at Southwest Regional

Mark Vancas topped amateur men with a 1,530 total on scores of 722 in the American round and 808 in the NAA 900 to win his bracket at the Southwest Regional Championships in February, while his wife Sue shot 696-737 in the same rounds for a 1,433 total to win the amateur women's crown.

Donna Wesson, Phoenix, shot a FITA qualifying score of 1,069 to top the women's division of the FITA meet. Steve Lieberman, Tempe, shot 1,093 to top the men's division.

Mark Vancas was followed by Karl Radde, Lynwood, Cal., with 1,516, and Bill Mannett, San Pedro, Cal., with 1,504. Finishing behind Sue Vancas were Phyllis Long, LaPuente, Cal., with 1,400, and Carol Jurn, Tempe, with 1,359.

Top finishers in the women's pro division were Terrie Ostling, Pomona, Cal., with 1,458, Fay Binney, Phoenix, with 1,419, and Laura Reinke, Mesa, Ariz., with 1,414.

Top three finishers in intermediate girls division were Wendy Vance, Phoenix, 1,287; Joy Newell, Phoenix, 1,187; and Terry Wilson, Phoenix, 1,122. Junior girl winners were Annette Demos, Phoenix, 1,126; Missy Boynton, Phoenix, 1,027; and Anita Wann, Phoenix, 949.

Tops in men's pro division were Robert Brunghurst, Pomona, Cal., 1,604; Ken Ostling, Pomona, Cal., 1,588; and Arthur Robinson, Garden Grove, Cal., 1,566. The top intermediate boy was Bill Rhodes, Glendale, Ariz., with 1,359, and top two junior boys were Barry Wilson, Phoenix, with 1,456, and Kirk Welsh, Garden Grove, Cal., with 1,428.

Finishing behind Donna Wesson in FITA competition were Carol Strausberg, Huntington Beach, Cal., with 988, and Helen Allen, Blytheville, Ark., with 936. Robert Elliott, Montebello, Cal., was second behind Lieberman in men's division with 983. Mark Floyd, Tempe, Arizona, was third with 980.





**FREESTYLE MEN**  
Steve Lieberman  
John Preston  
Len Lisenbee  
Chris Labucki  
Larry Smith



**BAREBOW MEN**  
Elmer Moore  
James Zettlemoyer  
Warren Cowles



**FREESTYLE WOMEN**  
Barbara Brown  
Maureen Bechdolt  
Nancy Myrick  
Victoria Cook  
Janet Ashbaugh



**BAREBOW WOMEN**  
Eunice Schewe  
LaRue Bruce  
Rae Dabelow

## TOP NAA FIELD ARCHERS NAMED

Here's the list of the top amateur NAA field archers in 1970. Top people in each division are shown.

### ALL-AMERICAN NOMINATIONS ASKED

There's plenty of intercollegiate archery scheduled for the next couple of months, so it's a good time to begin thinking now about your nominations for All-American Intercollegiate Archery men and women teams. Lorraine Pszczola, chairman of the NAA All-American Board, states that she must have all nominations by July 1.

To be eligible, a collegiate archer must be classified as a full-time undergraduate student at the college or university for at least half of the year for which he or she is nominated, must be scholastically eligible according to the standards for the school represented, must be an amateur according to the NAA amateur standards, and must submit scores from four target meets.

For full information about scoring qualifications, and other conditions, write to Lorraine Pszczola, Chairman, All-American Board, San Bernardino Valley College, San Bernardino, California 92403.

## It's Not Too Late to Make the Carling, Set for May 30

The tournament: the Carling Brewing Co. — Maryland Archery Association Third Annual Charity Shoot. The place: the Carling athletic field off Exit 9 of the Baltimore Beltway, on the west side of Baltimore, Md. The day: Sunday, May 30. The round: the NAA 300 — 20 arrows at 60, at 50 and at 40 yards, 5-4-3-2-1 scoring. The awards: Carling-donated silver and pewter mugs. The fee: \$2 if you pre-register by May 23 (send check to Mrs. Margaret Mazzeo, MAA Secretary, Rt. 1, Box 65, Indian Head, Md. 20640; make checks to Maryland Archery Assn.); \$3 if you register on field. The times: Flights (each a separate tournament with separate awards) at 10, 12:30, 3 p.m. Rules: American Archery Council rules in force May 1 apply. The goodies: free beer for all adult competitors after shooting; chance to try a modern crossbow; every cent of registration money goes to the valuable work of the James L. Kernan Hospital; Junior Olympic Round for kids through 16. For additional info write or call the tournament chairman, William Stump, Beaver Dam Rd., Cockeysville, Md. 21030, 301-539-7600 (work) or 301-666-2566 (home).

The rankings are based on three major events: U. S. Field Archery Championships, U. S. Field Archery Tryouts, U. S. World Field Archery Championships.

## National and Field Championships Set...Entry Deadline Near

Advance registration for the 87th annual NAA National and Field championships is near — July 11, to be exact. So make your plans now for two of the finest events in the NAA calendar.

The NAA National Championships will be August 10-13 at Miami University, Oxford, Ohio, preceded on August 7-8 by the Field Championships.

Entry fees at the National are \$20 for adults, \$12 for intermediates, \$10 for juniors and \$8 for cadets.

Target assignments will be made August 8-9. Opening ceremonies will be August 10 at 9:15 a.m. Practice begins each day at 9 a.m., with competition beginning at 10 a.m. The banquet and awards ceremony will be August 13 at 7 p.m.

Shooting will be in classes AA, A, B, C, male and female. All competitors must be members of the NAA. Amateurs must present their NAA amateur cards. Intermediates, juniors and cadets shoot in freestyle only.

To register after July 11, you must receive permission from NAA Executive Secretary Clayton Shenk. No registrations will be accepted after August 4.

Entry fees for the Field Championships are \$12 per archer. Competitors must be NAA members, and amateurs must present their amateur card. Awards will be given to men, women, intermediate boys and girls first through third places. There will be freestyle and barebow shooting for amateurs and professionals. The hunter round will be shot the first day and the field round the second day. FITA rules will be followed.

For registration blanks and full information, write to Shenk at NAA offices, Ronks, Pennsylvania 17572. To telephone in your reservations, call 717-687-7324.

### MIDWESTERN REGIONAL AT ST. LOUIS

The St. Louis Archery Club will host the 1971 Midwestern Regional Tournament July 3-4 at the archery range in suburban Forest Park, close to the Planetarium. A single FITA round will be shot July 3, a 900 American July 4. The tourney is open to amateurs and pros, freestyle and barebow. Tournament director is George Utnage, 10718 Vorhof Dr., St. Louis, Mo. 63136. Contact him for full details.

## OLYMPIC FACTS

Archery's return to the Olympics will be Sept. 4-8, 1972, at Munich, Germany. There will be a double FITA round shot. The United States will be represented by three men and three women. To make the team, men will have to post at least four 1100 or better scores between July 1, 1971 and July 30, 1972 at NAA registered and approved tournaments. Women must shoot the same number of 1050 or better scores. The fourth score can be posted at the U. S. tryouts, so you will need only three qualifying scores before tryouts. Olympic tryouts will be August 2-5, 1972, at Miami University, Oxford, Ohio.

Men's double FITA round consists of 36 arrows at 90 meters, 36 at 70 meters, 36 at 50 meters and 36 at 30 meters. Women's distances are 70, 60, 50 and 30 meters, with the same number of arrows at each. The two longer distances are shot at a 48-inch target; two shorter distances at a 31½-inch face. Scoring is on a 10-9-8, etc., basis. The two longer distances will be shot the first day, the two shorter distances the second day, and then duplicated the third and fourth days.

The tryouts at Miami University will also be a double FITA shot over four days.

The three highest scoring men and women at the tryouts will be chosen for the team. Immediately after the tryouts, team members, coach and manager will retire to a two-week intensive Olympic training camp which will be closed to all outsiders.

## New York State Outdoor Shoot

The New York State Archery Association Outdoor Target championships are set for July 16-18 at the Nassau County Archery Range in East Meadow, Long Island. Clout shooting will be held the evening of July 16; FITA, crossbow and Junior and Cadet Metric Rounds will be fired July 17; the NAA 900, American Crossbow, Junior and Cadet 900, Junior and Cadet American, and the JOAD rounds will be shot July 18.

Competition is open to amateur men and women classes AA through C, Intermediate, Junior and Cadet, Boys and Girls, professional men and women, and out-of-state competitors.

There will be awards for each class, with championship awards going to the top scoring amateur residents of New York men and women regardless of class. Team awards will go to clubs affiliated with NYSAA or their own state archery association. NAA and NYSAA Six-Gold awards will be given where earned.

Co-sponsors are the Nassau Bowmen and Nassau County Parks.

### MINNESOTA MAIL MATCH

Crag Stowell, University of Minnesota, shot a 294-295/589 PAA Indoor score to top all entrants in the recent University of Minnesota Intercollegiate mail match. Team mate Byron Korby finished second with 293-293/586; third place went to Larry Lutes, Purdue University, with 287-288/575. Korby shot his scores barebow; the other two top finishers shot freestyle.

The Minnesota team edged out Purdue's team 2260 to 2246 to win that division.

### OHIO STATE CHAMPIONSHIPS SET

The Buckeye Classic is set for July 17-18 at Miami University, Oxford, Ohio, under the direction of George Helwig and Allen Martin. Shooting fees are \$10 for adults and \$5 for children for both days, half these amounts for one-day shooting. The shoot is registered with the NAA and scores will be official for FITA qualifying. Competition will be in open, amateur, youth, clout and crossbow classes.

For full information and advance registration forms, write to Thomas E. Hock, 4760 Orchard Lane, Cincinnati, Ohio 45236.

## Florida State Collegiate Indoor

Jeff Morton, Brevard Community College, topped the men's freestyle division of the first Florida State Intercollegiate Indoor Tournament with a Chicago round score of 768. The shoot was held April 3. Bill Luecking, University of Florida, was second with 742, and Guy Kinney, Stetson University, was third with 728. Morton also won a Six-Gold award.

Ann Osborn, Stetson, topped women's freestyle with 706, followed by Dena Pickens of Brevard with 698 and Lyvonne Harvey, Brevard, with 658.

Rick Jeter, Brevard, won men's barebow with 613, and Tom Shea, Brevard, finished second with 554. Jerry Daniels, Lake Sumter JC, was third with 545.

Sue Calvin, Stetson, won ladies barebow with 548. Susan Foresman, University of Florida, was second with 310 and Mary Holloway, Florida Memorial, was third with 219.

Brevard won the team event with 2188.

### WASHINGTON STATE INTERCOLLEGIATE RESULTS

Larry Anderson of the University of Washington topped all shooters with a 794 score on the 900 round and 718 American round and 1612 total at the recent Washington State Intercollegiate shoot. He was followed by Barry Binder, Western Washington State College with 762-708/1470.

Terry Hagen, Shoreline Community College, topped all women with 582-438/1020, but was closely followed by teammate Elaine Dawson's 523-483/1006.

The UW men's team with 5641 and UW women's team with 3029 won team events.

## Thompson Wins Colorado Indoor

In a sudden death shoot-off, Norm Thompson, Commerce City, beat Jack Lancaster, 1971 U. S. Open winner, for the Colorado State Archery Association Indoor Championship at the Denver Archery Center, April 3-4. Darlene Collier, Kremmling, won the women's freestyle division.

Tournament winners and their two round PAA scores were: Open Division — Norm Thompson, men's freestyle, 596; Darlene Collier, women's freestyle, 595; Ken White, men's barebow, 555; Karen Findlay, women's barebow, 504. Amateur Division — Ken Long, men's freestyle, 582; LuAnn Heinicke, women's freestyle, 540; Robert Shelton, men's barebow, 536; Linda Clark, women's barebow, 497.



## ROCKY MOUNTAIN TOURNAMENT

The Rocky Mountain Archery Association target tournament will be June 19-20 at Peterson Field in Colorado Springs, Colorado. Hosted by the Buckskin Bowmen, the shoot will follow official NAA rules and is registered with the NAA.

Pre-registration is best, but late registrations will be accepted with a late fee added. Shooting begins at 6 a.m. June 19 and 9 a.m. June 20. For full information, send a stamped, self-addressed envelope to Roger Long, RMAA Secretary, Rt. 3, Sterling, Colorado 80751.

## NEW YORK INDOOR WINNERS

Arthur Andersen, Brooklyn, and Lura Wilson, Greene, topped the men's and women's divisions at the New York State Archery Association Indoor Championships at Nassau Community College in late March.

Finishing behind Andersen were Frank Klug, Jamaica, and Torger Thorsen, Lynbrook. Following Wilson were Claire Burke, Long Beach, and Dot Brooks, Levittown.

Other men's winners were: Class AA, W. Raney Ellis III, Plattsburgh; Class A, Frank Mujicia, Laurelton; Class B, William Argyropoulos, Hempstead; Class C, Angelo Cimarelli, Great Neck. Women's winners: Class AA, Lynne Knippler, Great River; Class A, Beth Flannery, Greene; Class B, Vivian Fuller, Cedarhurst; Class C, Patricia Klepper, North Merrick.

Everett Schreiber, Jr., Levittown, and Jean Raymond, Greene, were Intermediate boys and girls winners. Junior winners were John Albinski, Baldwin, and Marianne Westhead, New Hyde Park. Philip Farber, Jericho, and Louisa Argyropoulos, Hempstead, took Cadet divisions.

Albert McQueen, FreePort, was the barebow champ. Benny Tirado, Brooklyn, and Lillian Hubbs, Huntington Station, took the professional crowns.

### Certified Instructor Courses

The NAA's three schools this year feature 64 hours of training in all phases of archery. Those who successfully complete the course will receive a "certified archery instructor" certificate and title.

The three courses are: June 14-July 2 at Arizona State University, write to Margaret Klann, Women's Physical Education Department, ASU, Tempe, Arizona; June 23-July 2, Teela Wooket Archery Camp, Roxbury,

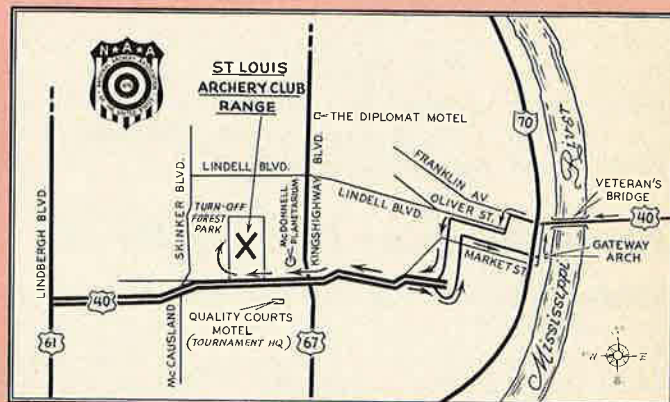
Vermont, write to Mrs. E. B. Miller, 67 Old Stone Church Rd., Upper Saddle River, N. J. 07458; June 19-26, Pennsylvania State University, write to George C. Ward, 261 Recreation Building, University Park, Pa. 16802.

## Jackson Tops Lancaster Shoot

Dave Jackson, shooting for the Atglen team, racked up a Chicago round score of 862 to finish as high individual at the Lancaster, Pa., Invitational in late March. Tied for second were Hollis Webster of the Potomac Archers, Ron Lambert of the Boyertown, Pa., team and Andy LaMarche of Kennett Square, Pa., with 858.

Ruth Rowe, Kennett Square, Pa., topped women's freestyle with an 816. Janet Kemmerer, Lower Providence, finished second with 814, and Donna Shoff, of York was third with 798.

Rod Hoover, Ephrata, was barebow high individual with 794, followed by Jake Metz, Lower Providence, 780. Lorraine Trofe, Buckland Valley, topped women's barebow with 716, followed by Nancy Heck, Lower Providence, with 714.



### Try-outs for U.S. Team to York

You should have already registered for the tryouts for U.S. team membership to the York, England, 26th World Archery Championships, because the deadline is May 31, with your entry needing to be postmarked before June 2. Entry fee is \$25 per person. Whether you're participant or spectator, the above map will help you get to the scene — at Forest Park, St. Louis, Missouri, June 19-20. To enter, men must have shot at least one qualifying FITA 1100 and women a 1050. At the tryouts, two FITA rounds will be shot, with four high men and four high women making up the team to go to York.



Up north, it's the . . .

## World Dragonfly Championships

by Harvey Hart

THE STORY of the "Dragonfly Shoot" goes back about six years . . . when we formed a small archery club named "The Merry Men of Sprucewood Forest" at Shilo, Manitoba, Canada. Because we were so enthused at having an outdoor area to shoot, we decided to have a fun shoot — something the guys and gals and sight shooters and barebow could all shoot on equal terms. We shot at 30 yards and 20 yards at some type of rifle targets about 20 inches in diameter.

But after the shoot the spirit of competition lingered. The minds wandered and Al Guillemette — alias "Sir Alec, the Black Rat" withdrew a fluffu and, ever conscious of safety, began shooting in the air. We wondered at what

He said "The Dragonflies!" "Great Scott!, shoot at dragonflies?" — someone answered. "Yessiree", said Al.

And swoosh, swoosh, swoosh went the fluffus. A few were hit and done in by our missiles.

The coming of the dragonflies is an annual affair — they come every summer to prey upon the multitudinous and massive mosquitoes.

In any case, the idea of hunting and shooting dragonflies came to be sort of a joke throughout Manitoba and other parts of Canada.

Last year, we had planned and prepared for the Field and Hunter Rounds of the Manitoba Association of Archers Outdoor Championships and wanted to have a "social" the evening prior to the event. I talked it over with Sgt. Don Parkes and we came up with the idea of staging the World Dragonfly Championships.

Came time for the shoot. The mosquitoes arrived and were closely followed by dragonflies.

Cpl. Johnny Johnson fired the starting signal and the shoot was on. Arrows went high, arrows went low. There were many near hits. Johnny finally became frustrated and laid one low with a blast from a shotgun — but was disqualified for using a compound sight. He grew angry, went to the shed, and withdrew a freshly honed two-bladed axe. Brandishing it in the air, he charged for the most numerous group, with the Methodist axe poised for the kill.

He spotted one on a small bush and sliced it clean in two — but he was running too fast at the time, and the momentum of the blow caused him to somersault and land on his backside. He was disqualified again — this time for doing such a clumsy job.

But then, Colin "Dixie" Dixon and his tribe arrived from the Assiniboine

Archery Club, Brandon, Manitoba. With careful aim he zapped one on his first shot. It was legal! And just after that great shot the dragonflies departed.

The trophy was presented to a proud and brave hunter — the World Dragonfly Shooting Champion, Colin "Dixie" Dixon.

Yours truly managed, the next day, to build up a good point lead that held out during the target events of the following week and gave for the fourth time in a row the MAA Outdoor Men's Championship to the Merry Men of Shilo. Johnny won the American Round, the girls placed first and second in all events.

For the World Dragonfly Championships, we made our dragonflies out of bow-birds. We removed the center cardboard and painted dragonflies on both sides.

We hope to build a mechanical device in the future to make the job easier. (All other references to events including mosquitoes and dragonflies are true. At our first shoot we shot at actual dragonflies and they really are quite large.)

The next World Dragonfly Championships will be held June 25 at Shilo, Manitoba (approximately 20 miles east of Brandon, Manitoba and 125 miles east of Winnipeg) beginning at 8 p.m.

There will also be a registered FITA qualifying round. Sgt. Don Parkes, in charge of the event, says he can handle "about 10 Yanks".

Naturally, a United States team is invited. Entry fees are small; about \$3 for the FITA shoot, much less than that for the Dragonfly Championships.

There is a clubhouse, parking area, biffies; and a few miles down the road is a beach and good water for boating and water skiing. Come on up for the fun. You might even bag a dragonfly.

## Join The National Archery Association!

No matter what kind of archery you like best, you should join NAA! Its brand of shooting and its club activities are fun — and challenging! Besides, NAA works for the promotion of all archery, and your support means a lot. NAA represents all archery before the U.S. Olympic Committee and FITA, our sport's International federation. Another thing: NAA, founded in 1879, is tradition-laden. Yet it's as modern as tomorrow. It's well-organized, it's growing, it'll be more and more important to archery — and to you! — as time goes on. And here's something else, too:

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A Moose hunt in Alaska with George Wright, Jim Dougherty and Don McIntosh of the Ben Pearson Bow Hunting Staff.



Five hundred miles west of Anchorage, on the wind-swept vastness of the Alaskan Peninsula, the hunters huddled in a frame cabin riding out the storm. A fifty mile an hour wind

# Giant Bulls

howled through the chinks and crevices. It was the first icy breath of winter, feeling out Autumn's strength, sparring for supremacy with a waning season.

Within the chilly confines of the frame cabin, George Wright, Don McIntosh and Jim Dougherty tuned and retuned their equipment, sharpened Deadhead and broadhead again and again and soundly cursed the winds that had confined them to shelter for almost a week.

They were here for moose, those giant heavy-antlered monarchs of the peninsula, on an assignment to field test new Ben Pearson Archery equipment, evaluate it where it really counts, in the field, with all the chips on the table. They are all experienced bowhunters and members of the Ben Pearson Bowhunting Staff, a panel of experts hand-picked to design and test bowhunting gear for the world's largest archery manufacturer. They were eager for the test, if only the weather would give them a break.

Outside the air boat bobbed savagely, buffeted by the crests of waves that turned the gentle Mishik River into a frothy avenue wending to

Bristol Bay. The boat would get the hunters to the moose when the weather laid down. To venture out now would be foolish, death comes quickly to the foolish in the bush of Alaska.

Up river, in the lush swampy valley, along the many tributaries of the Mishik River and Braided Creek were the moose. Alaskan Moose are thick-set, short-necked ruminants, standing taller at the shoulders than the hips. The huge antlers on the males are characteristically palmate with projecting tines, although the degree of palmation varies with age and the health of the animal. The coat is coarse and shaggy, especially in winter.

They were lucky because they had located one of the largest concentrations any group of bowhunters has ever had the pleasure of seeing. The timing was perfect, the giant bulls had forsaken the heights of their solitary summer range to seek out the cows. The rut was in full swing and the giants were roaming the tag alder thickets, fighting for the ladies. The situation was perfect for bowhunting, good cover, and many trophy bulls, the kind that make the record book, the big-

pat and beating off the approaches of wandering bulls still trying to collect a harem. Now it was a matter of making some good stalks, getting into good range, hopefully inside of forty yards and putting it all together. Up to this point everything was up to the hunter. The power of our *Marauders* would do the rest.

The *Marauder* is a 60-inch bow, the ideal hunting bow length incorporating stability for accuracy and a short enough length for maneuverability in the heavy cover of the tag alder thickets where getting a shot, maybe one quick opening.—A split second chance and that's all she wrote — that was going to be tough.

The bows were all in the 60-65 pound range with heavy hunting arrows, a necessity on an animal that could weigh 1000 pounds or more.

The *Ben Pearson bow quiver* was a must in the heavy cover, many long hard yards were covered on hands and knees through the chilly waters of the swamp. The arrows were always ready, six razor sharp shafts for instant use, held firmly and silently in place.

The weather again began to change for the worse. There was a chilling

shouldered heavy-antlered monsters that provided the ideal challenge for both man and equipment. The hunters wanted no small bulls, only trophy heads, face to face at good range where they could put the power of the *Mercury Marauder* bows on the line.

When the weather broke, it broke all at once. The howling of the wind laid down so suddenly the quiet was eerie. It was too quiet, barely enough breeze to cover the sounds of sloshing approaches in the swamps, no wind to aid in the stalk. The right wind can be the greatest help to the bowhunter, the wrong wind can ruin him.

The good weather held. Ed King, professional outfitter, transported the hunters into the good moose country with the air boat, dropping them at various points along the river and they struck off — each heading for different areas to scout the country, trying to locate a good bull and then trying to figure out how to get him. For two days they studied the animals. Back in camp, in the evenings they reviewed their findings. All had located herd bulls who had cows corralled. These bulls, truly magnificent warriors, were fairly stable in their location, standing

rain, and the snow line crept down lower on the peaks of the Peninsula range. Under these conditions it was tough—tough on men, tough on equipment. The equipment handled the problems easily. Shooting in high winds, through heavy cover, taking on animals standing over six foot at the shoulder, belligerent of nature, the *Marauders* and heavy-duty XX80 aluminum arrows, tipped with Deadheads, knocked the big bulls down.

In two days hunting time, battling the elements, drawing on all the skills that have made them the polished, professional bowhunters they are, Wright, McIntosh and Dougherty collected three record class bulls with spreads of 66", 67" and 69".

Ben Pearson believes in the expertise of their personnel in designing tough, dependable equipment and in proving it, time and again, where it counts. When you use this equipment you have only yourself to blame if you fail. And isn't that the way you want it?





# tackle topics



by Tom Jennings

Tom will answer your tackle questions if you send them to him at: 10945 Burbank Boulevard, North Hollywood, California 91601.

## SHORT DRAW PROBLEMS

Dear Tom:

I use the three-finger-under draw. Will this kind of draw shorten my draw length any? I only have a 26½-inch draw.

I really like to shoot this way. Can I build up my bow handle to lengthen my draw?

I shoot a 60-inch 50-pound Bear Kodiak hunter. Is there any other bow with a different handle that would help make a longer draw?

Do you think there should be some kind of an archery test before a license is given to a bow hunter?

Keep up the good work Tom, I really enjoy your information.

Richard Abrahamson  
Grand Forks, North Dakota

- A short draw is no problem; in fact, it is an advantage in archery. It's easier to get good arrow flight. You can shoot the short bows without string pinch. Arrows are easier to store and carry in the field. You can get better trajectory from a given draw weight. I don't suggest you try to lengthen your draw.

- Three fingers under will shorten your draw very slightly.

- There is no way you can build up your handle to lengthen your draw. You can rear your head back and increase your draw by as much as one and a half inches. However, this is bad form.

- There is no bow that will increase your draw length.

- No, I do not think there should be a test for bow hunters. We have too many tests and rules already in this country. There are few safety problems with a bow; about the only thing you can do is fall on your arrows. Maybe we can have a few pros and cons on this subject.

## FISHTAILING ARROWS

Dear Tom:

I was shooting a Browning Olympian 68-inch, 40-pound bow with Easton 1816 arrows fletched with P22 vanes. I got good arrow flight. For instinctive field shooting I switched to a Wing Gull 64-inch, 34-pound bow. According to the tables, a 28-inch 1816 should

have proper spine for this bow. Yet, when shot, they fishtail wildly and act like they have insufficient spine.

By changing the plastic vanes to feathers and building the arrow rest up about one quarter inch, I get a reasonably good arrow flight. However, the slightest release error and the arrows fishtail. Hoyt pro rest used on both bows.

I suppose the only thing to do is get stiffer arrows for the Wing bow. I would like to know why the 1816's have sufficient spine for a 40-pound bow but insufficient spine for a 34-pound bow.

Bill Raser  
Milan, Italy

- Frankly, I think you are on the wrong track. It would be nearly impossible to have such a fast 34-pound bow that 28-inch 1816's would not fly because they are too weak. If anything, you would be on the stiff side. Most archers are able to get good flight out of 1816's up to and over 40 pounds.

- I think your problem is in the amount of center shot. Very few production bows are made with enough center shot. Especially when you use the pro rest that builds out your center shot another 1/8-inch. The pro rest is a fine rest but needs a very center shot bow. The flexing of the plastic is kind of a poor man's cushion plunger.

Do the following: String your bow and clamp it in a vice with arrow on the string and resting on the rest. Stand back and align the string with the center of the limbs. You might put small pencil marks on the belly of your limbs right where they leave the riser. Put these marks in dead center of the limb. While lining the string with center, observe the point of the arrow. If the point is more than one inch out of line with the string, it is hard to get good arrow flight from any arrow. Finger shooters come into line as close as the diameter of the arrow and some release shooters go to dead center. The pro rest will allow you to be farther off center than a solid rest. Of course, proper string height and nock point should be checked out.

## VERTICAL WAVERING ARROWS

Dear Tom:

I shoot a Golden Eagle 69-inch bow with 26-inch arrows out of 26 pounds. X-7 1714's, Bjorn nocks, Wilson strap tab release, thin-o-flex vanes, both small and medium. Nock point ¼-inch high originally.

When shooting at all distances my arrows wave up and down upon release. I've tried raising and lowering fistmele, raising and lowering nock point plus and minus 1½-inches. Nothing stops the up and down waving.

What is my problem?

Robert Elkovitch  
New Orleans, Louisiana

- I think you're getting a hen vane strike. Remove one of your nocks and mount a new one and rotate the arrow about 15 or 20 degrees clockwise, (right hand shooter and while observing from the nock end of the arrow). This will position the lower hen vane almost straight down and clear your rest better. Shoot a bare shaft at six feet and get as good an arrow entry as possible before you shoot with feathers or vanes. When shooting the bare shaft you will not have a vane that

will strike and you should be able to get good entry. Then try the arrow with the turned nock position and you should still get good entry. If you get good entry at six feet try 12 feet; if it is still good you will have true flight at any distance.

## SORE ELBOW

Dear Tom:

I have run into a problem that I cannot solve myself. I have been shooting archery for approximately three years, both hunting and target. I shoot an HC-300 at 35-pound draw weight with 28-inch arrows. I use a Bear hunting stabilizer to add more mass weight to the bow.

The problem lies with my elbow. After shooting for some 20 minutes or so the elbow begins to hurt. I rest for two or three rounds and then shoot again but at the end of an hour's shooting my elbow has considerable discomfort. This discomfort will stop after a half hour of staying away from shooting.

Is there something wrong in my shooting form that contributes to this problem? I bought the heavier bow to reduce recoil but it does not seem to do any good.

I try to shoot with the elbow in a locked position. Is this wrong?

I suppose if it is a physical problem I could change to left hand shooting.

John L. Mori  
Oshkosh, Wisconsin

- You did not say, but I assume that the elbow that hurts is your bow arm. This is quite a common problem with archers, sometimes called tennis elbow. First, I would consult a good doctor and have X-rays taken to see if anything is physically wrong with the elbow. Maybe the doctor can help. A number of archers I know have layed off shooting for as much as a year before they could resume shooting. Rest seemed to help. I know it's hard to lay off, but you should get the doctor's opinion on this. Your elbow should be locked when you shoot and I don't think there is anything wrong with your form. Some of the finest shooters I know have had this problem. After all else fails here is something to try. Buy a solid copper bracelet and wear it on the ailing arm. This sounds like voodoo or something but I know at least 10 guys that will swear their arms never hurt again as long as they wore their copper bracelets. These are normally intelligent people. Don't put it down until you try it.

- Changing to the other hand for shooting is a last resort, because if you are shooting with your master eye it would make aiming difficult. After you get to a certain point of skill, aiming is the name of the game.

## SEARCH FOR CRESTS

Dear Tom:

While making arrows, painting the crests proves negative for me! My brush is not professional, I guess. Where can I buy crest decals?

John A. McNeill  
Virginia Beach, Virginia

- A number of years ago an outfit made crest decals. I have even seen checker board decals and they really looked sharp. I just looked in the two biggest archery catalogs and all I can find now is number decals and name decals. Maybe some of our readers know.

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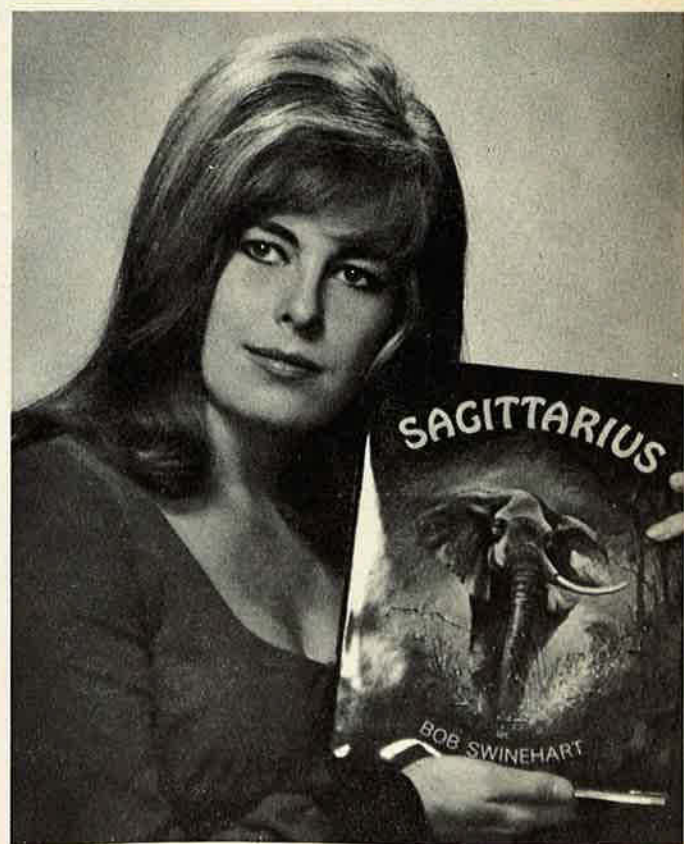
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# The Ghost is good to bowmen

by Marvin Tye

THE GHOST OF Blackbeard was good to bowhunters in 1970. Blackbeard Island, the historic hunting site located 18 miles off the coast of Georgia, produced two new records during the season.

Rodney J. Harville of Statesboro, Georgia, bagged the largest deer ever taken on the 5,618-acre Federal Wildlife Refuge. He killed a 137-pound buck during the October hunt. And 165 deer were taken during the three 1970 hunts, more deer than ever before recorded in one bow season on the island, which was opened to bowhunting in 1947 and has provided excellent hunting ever since.

As the size of the record deer would indicate, the animals seldom grow to trophy proportions but they are very plentiful and sometimes grow beautiful, symmetrical racks. During the early days of hunting on Blackbeard smaller numbers of hunters participated in the bowhunts. In the beginning, success ratios of 80 percent or better were common. Over the years the success ratio has averaged 25 percent, an outstanding record for whitetail hunting with either bow or gun. On the October, 1970 hunt, 324 hunters bagged 121 deer, 59 bucks and 62 does. The largest deer taken on that hunt weighed 125 pounds. On the November



Georgia's Blackbeard Island, a "bowhunters only" place, improves with the years.

hunt in 1970, 129 archers bagged 24 deer, 16 bucks and 8 does. The largest deer taken at that time was the new refuge record 137 pounder. During the hunt held in December only 20 deer were killed, 12 bucks and 8 does. All three hunts are four days each. Lee Hansel of Mt. Holly, North Carolina bagged the biggest buck, a 120 pound specimen, with a 20-yard shot. Lee used a 61-pound bow and placed his four-edged Black Diamond broadhead squarely in the buck's heart.

In addition to providing really excellent bowhunting, the area offers some unique scenery and is rich in history. It was named for the famous English pirate, Edward Teach, who along with other 17th and 18th Century pirates sailed out of the hidden sounds and creeks around the Georgia coastal islands to attack vessels carrying assorted merchandise and other riches. The legends say the famous pirate buried a large portion of his treasure on Blackbeard Island and that it is still being guarded by his headless ghost.

Now primarily a refuge for migratory waterfowl, it is a part of the Savannah National Wildlife Refuge system supervised by Preston Lane. No hunting with firearms has ever been allowed on the island and is not likely to ever be allowed.

The only management tool used for



• Dan Quillian, far left, straps the portable tree stand he manufactures to his back, erects it where he wants to hunt. Left, the 77-foot Georgia Princess at Kip's Fish Camp dock at Shellman Bluff gives safe travel to the island.

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• At Blackbeard, hunters leaving the camping area for an afternoon hunt. All photos by Marvin Tye.



the deer herd is hunter harvest. Up until 1970 archers were allowed to kill two deer of either sex and any size. A 100-pound whitetail is considered a large deer on Blackbeard. Some of those bagged by hunters in the past have been so small that they have been referred to as suitcase deer because they could be carried with one hand. Now hunters are limited to two deer, only one of which may be a doe. This is to conform with the state regulation which was recently changed from two deer of either sex to the present limit of two bucks or one buck and one doe.

Over the years a unique method of hunting has evolved on Blackbeard Island. The thick vegetation near the ground makes it very difficult to get a shot at a deer. Archers usually hunt from the trees with either a portable tree stand or by climbing out on the limbs of the large oak trees. They must use a flashlight when walking at night, must be on the stands before daylight and stay there until 9:30 a.m. If you shoot a deer at daybreak you still must wait until 9:30 before coming down to trail it. The midday hours are free for the archer to retrieve his deer, to still hunt, to return to camp for lunch or to scout for an afternoon stand. He must be back on stand again by 3:30 and stay there until dark. This system has resulted in a high proportion of hit deer being recovered because they are not immediately pursued. Also, it allows the deer to move around more or less undisturbed and the man on the stand does not have to worry about a blundering novice frightening a deer away just as he is preparing to shoot it. A number of deer have been successfully trailed and recovered at night by hunters using flashlights.

Going to Blackbeard in your own boat is not advisable unless you have had plenty of experience in navigating coastal waters. Just like those who pursued the 17th and 18th Century pirates, you might get lost in the maze of salt water creeks and marshes or run aground if you are not careful. Crossing Sapelo Sound in rough weather in a small boat can be dangerous. You may be able to follow an experienced Blackbeard hunter to the island but it might be wiser to pay the \$15 to \$20 fee charged by local guides working out of Kip's Fishing Camp or

Burke's Fisherman's Lodge. These men know their business.

I hunted on Blackbeard during the last hunt in 1970 and made arrangements for passage at Kip's Fishing Camp. The day before the hunt began was ideal and we had no trouble reaching the island in a relatively small boat. Rain and high winds dominated the weather scene for the next four days.

If you do want to take your own boat to the island be sure that it has sturdy lifting rings fore and aft as there are very few ramps on the Georgia coast. A hoist at Kip's Fishing Camp can be used to put your boat in the water.

To reach Blackbeard you must drive south of Savannah on U. S. 17 about 60 miles and turn east on an unpaved road just north of Eulonia to Shellman Bluff, a small community on the edge of the marsh. Addresses and phone numbers of the camps providing transportation to Blackbeard are Kip's Fish Camp, Route 2, Townsend, Georgia 31331, telephone (912) 832-5162 and Burke's Fisherman's Lodge, Route 2, Townsend, Georgia 31331, telephone (912) 832-4671.

The major reason for the low success figure during the December hunt last year was the almost constant rainfall and high winds which caused a number of hunters to stay in their tents or only hunt for half a day at a time. Some of those who braved the elements got nice trophies. Lee Hansel went out in a drizzling rain on the first day of the hunt and bagged his big buck.

Craig Sheppard of Clemson, South Carolina got a 10-yard shot at a button buck and shot it in the spine. He was using a 55-pound bow. Young Jimmy Busby of Atlanta bagged a 110-pound 7-point buck. He wore a rainsuit that kept him relatively dry while he hunted during the downpour.

I shared a tent on Blackbeard with Ray Sykes, Joe Medcalf and his son, Al, all of them residents of Barnesville, Georgia. None of us bagged a deer, but we plan to return and try it again in the near future.

Because of the isolated nature of the hunting area, it is wise to bring plenty of food and equipment to the island. With a little planning you can bring enough on the boat trip to be comfortable on the island. Gas stoves, warm sleeping bags, insect repellent, flashlights and plenty of good wholesome food should be included in this gear. The insect repellent is especially needed during the first two hunts. Weather may be warm enough to be uncomfortable in October or it may be near freezing on the last hunt.

To participate in a hunt on Blackbeard you must have a current Geor-

(continued, page 37)

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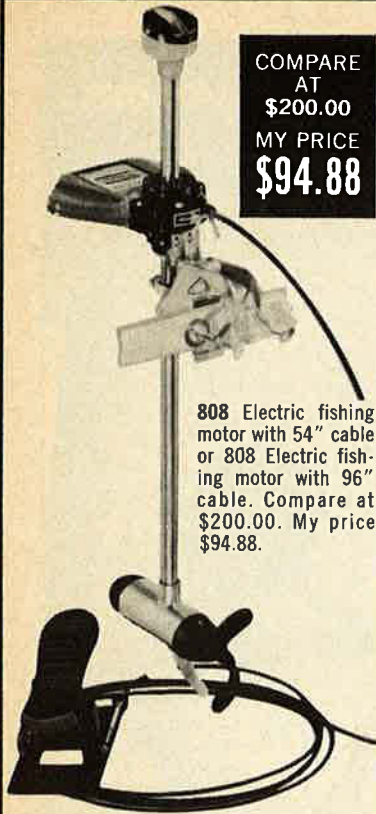
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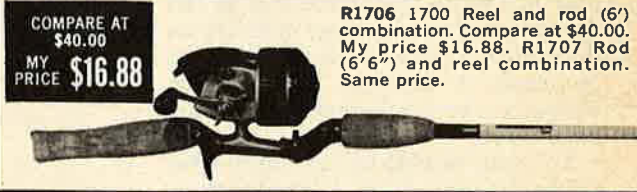
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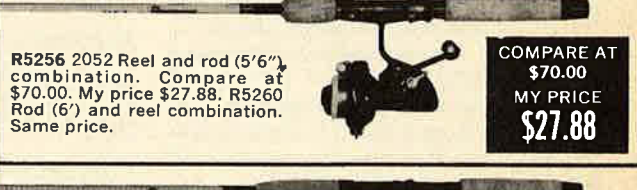
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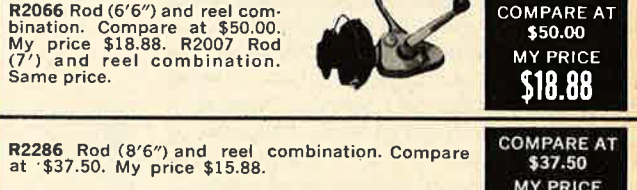
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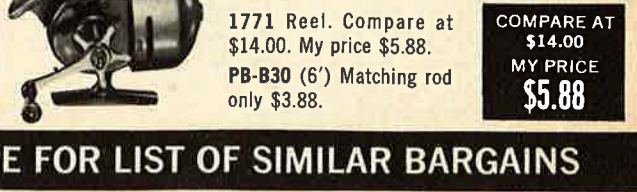
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(from page 35)  
gia archery hunting license. This costs the non-resident \$12.50 for a 10-day license or \$25.25 for a full season license. They are available in a number of sporting goods stores and can usually be obtained at Shellman Bluff. It would be wise for the non-resident to purchase his license as soon as possible and not count on getting it at the last minute. Georgia has a separate archery license as well as a general hunting license for firearms hunting. The archer must buy an archery license and must also have the big-game season hunting license which costs \$10.25. To be legal in Georgia, hunting bows must have a minimum of 40 pounds pull.  
To obtain a permit for the Blackbeard hunt you must write to Refuge Manager Preston Lane, Savannah National Wildlife Refuge, Route 1, Hardeeville, South Carolina 29927 by a deadline which is usually about a week before each hunt date. Exact dates of the hunts to be held in 1971 can be obtained by writing to Lane sometime late in the summer. There is no charge for the hunt permit and at present there are an unlimited number of permits available.

Hire a good boatman and watch the weather, or you may never find the place

Hunters must arrange their own transportation to the island by boat. While on the island the participants must camp in the designated area and cannot travel away from the area to scout the island until the morning of the first day of actual hunting. You can come onto the refuge up to three days in advance of each opening date but if you do you will be restricted to the camping area. Hunters are not allowed to leave the area by boat to reach other portions of the island for hunting but must walk to their stands. Due to hazards involved on the island, individuals under 18 years of age are not permitted to hunt unless accompanied by a parent or responsible adult. There are no medical facilities on the island. A camping fee of \$1 is charged each individual during the hunt.

U. S. Bureau of Sport Fisheries and Wildlife personnel meet incoming boats at the dock and use jeeps with trailers or pickup trucks to haul the archers and their gear to the camping area. These same vehicles are available to bring in deer bagged on the island or in some cases to give the archer a ride back to camp. Deer are brought back to the camping area without being dressed so that the live weight can be determined and the animals can be examined by the biologists. With their efforts, and a munificent ghost of Blackbeard, bowhunting here should get even better in the years ahead.

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# Nation's Strangest Deer Laws?

by Bill Clede

CONNECTICUT can claim the most liberal bowhunting season in the country. It is two months long, from November 1 to December 31. The Nutmeg state seems to have a liberal gun hunting season on deer too — the whole month of December.

But appearances are deceiving — deer are not game animals in Connecticut.

Here deer are classed as agricultural pests. That means the gun hunter has to know a farmer or landowner who, presumably, wants to get rid of bothersome deer. Such an owner can co-sign a state permit for any five of his friends to hunt deer on his property — with a shotgun. Only the landowner, under a different type of permit, may hunt with a rifle.

You can get up to three permits, for different parcels of land, and each is good for one deer, but your limit for the one-month season is two deer, no matter how many permits you get.

Now the bowman would seem to have it made. He's the only Nutmeg sportsman who can hunt deer simply

by buying a special bow and arrow deer hunting license, in addition to his regular hunting license.

With the bow license, he can hunt deer on state forests open to hunting and on private land with the written permission of the owner all during that magnanimous two-month "open" season. Only the gun hunter has to conform to this unique permit system.

But the "facts" are misleading. For one thing, if you don't know a landowner, your chances of getting a private land hunting permit are slim. Secondly, Sunday hunting is not allowed in Connecticut.

President Charles Turci of the Connecticut Archers Association has told members of the state legislature that his association is in favor of more sane laws and Sunday hunting. (The loudest talk against Sunday hunting is from a few farmers who are worried they would have cows killed.)

Turci replies that Sunday bow hunting would be allowed on state forest land only, and "I don't think there will be any cows in there."

Though the bow season is two months long, most bowmen work five days a week — and thus really have only one day a week to hunt. With

Sunday hunting, an added eight days would be available to bowmen.

Connecticut has a deer herd estimated at between 6,000 and 8,000 animals. That's an educated guess because the State Board of Fisheries and Game has no business spending money on a study of an animal that they are not allowed to manage.

The number of bowhunting licenses issued bloomed to 2,910 last season, compared with 919 in 1963. The total bag nearly quadrupled over those eight years from 11 in 1963 to 42 last year.

The hunter success ratio grew from nearly 1.2 per cent to nearly 1.4 per cent.

But last year, there were 3,025 landowner permits and 2,168 fee permits issued and permit hunters reported bagging 530 deer. That's a hunter success ratio of 10.2 per cent.

Add up the known illegal kills, deer found dead in the woods, and losses to automobiles and free roaming dogs and it comes to 477.

This would seem to indicate that if it weren't for poachers and predators, Connecticut would be up to its eye teeth in deer.

Five years ago, the Board of Fisheries and Game drafted a bill which was then written by the Legislative Council to make deer a game animal so biologists could study it and recommend what harvest should be made. It came before the 1967 session of the General Assembly but it died in committee — ignored.

The same bill was re-introduced into the next 1969 session and this time it wasn't ignored by the press — but sportsmen didn't react and, again, it died.

This 1971 session, sportsmen never even raised the question about a deer bill. It was not introduced.

To understand this strange situation in Connecticut, you have to look back into history.

Deer were scarce in Colonial times. In 1893, a concerned legislature stopped all open-season deer hunting. The ban was extended twice to 1917, when it was made permanent.

But around 1905, farmers began to complain of crop damage caused by deer. In 1906, the General Assembly decided to pay claims for the damages, and kept paying until 1916.

In 1907 the deer laws were changed to set up a permit system so the landowner or lessee of land could kill any deer found doing damage to crops. In 1915, deer hunting privileges were extended to the landowner's family and

employees.

The deer laws remained substantially unchanged until 1947. By then the deer population had increased and deer hunting had become an available and popular sport. The law was changed again to allow the landowner to get permits for three outsiders.

The 1969 Legislature did major surgery on the deer laws but only to rectify some inequities in the old statutes. Because the "lessee of record" had evolved into a legal device to provide a privileged few with free year-round deer hunting, he was taken out of the landowner category. The lessee now falls into the \$5 permit class who may hunt only with a shotgun during December.

And would you believe there is a bill before the Legislature now to put him back into the landowner category? There is.

The net result of all this is that the bowhunter is thrown the bone of an "open" season on an animal that under present circumstances falls outside the province of good game management.

While a two-month bow season may look good on the surface, what's happening to the deer herd the bowman is after?

In its 1967 report, the Legislative Council said, "The agricultural exception is the source of widespread abuse. It has been interpreted so broadly that it is virtually meaningless . . . The subterfuge has even become a club effort. Among many applications last year, 22 people, who jointly own a piece of land, sought individual owner permits.

"The designation of deer as agricultural nuisances and hunting deer on leased land . . . combine into a problem that has plagued state game officials for more than a decade — laws intended to protect deer which actually work for their destruction," concluded the Council.

The only hope for sane management of Nutmeg deer would be to resurrect and enact the law proposed by the State Legislative Council in its 12th biennial report in December 1966.

This proposal would, in effect, make deer a game animal subject to study and control by the State Board of Fisheries and Game, the same as any other game animal. It would still allow the landowner to protect his property, but the hunting "combines" formed to take advantage of the permit system would lose their edge over John Q. It could well make Connecticut deer hunting a lottery like exotic western species, but at least everyone would have a fair chance.

The point is, most sportsmen argue, that trained biologists are better equipped to say what deer hunting rules should be than the lawyer-dominated state legislature.

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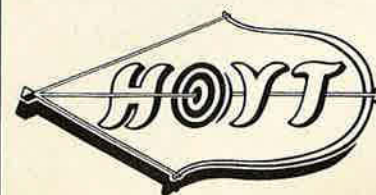
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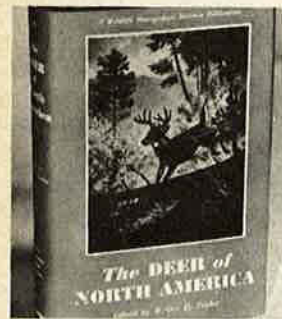
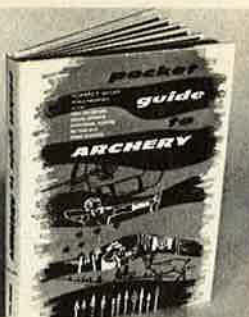
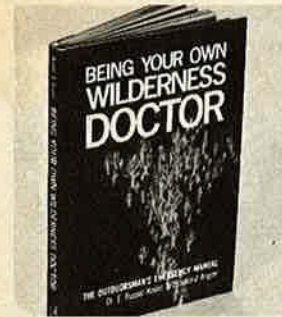
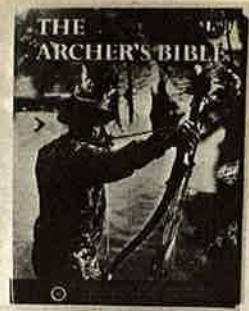
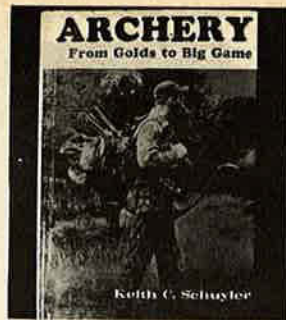
11510 NATURAL BRIDGE ROAD, BRIDGETON, MISSOURI 63042

Connecticut archers are working hard to get this country's number one game animal removed from the "agricultural pest" list in their state.





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(from page 40)

believably rewarding. Whilst there, you will be living amongst buildings of all centuries, way back to include the world-famous Five Sisters Window of the 13th century in York Minster; and the street called The Shambles, which has changed not so very much over the last 500 years, and where the wood-turner's workshop makes every craftsman envious, and the bookshop and the little antique shops all the way down to the Whip-ma-Whop-ma-Gate make every step a part of a pilgrimage.

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The city of York has always been renowned for its munificent understanding of the needs of its visitors. It allowed the Roman military governor of Britain in AD 71 to build a fortress, so that it became the military capital of Britain. York is celebrating this year the 1900th anniversary of this foundation, and is all-set to make a memorable success of everything, especially the great sports meetings like the World Archery Championships.

And there is no doubt that the XXVth World Archery Championships at York in England, during the last week in July 1971, promise to be one of the greatest of all time. Not only because it will be a testing year for archer-entrants for the Olympic Games at Munich in 1972. Not only because there will be more nations and therefore more competitors at York than in any previous World Championships. Not only because the latest news (our postal strike is over but there may be still some January or February postmarks at the wrong end of a pipeline somewhere) is that the world record Double FITA 2443 points by Victor Sidoruk, shot at Leningrad in November 1970, has not yet been beaten.

All that one can say for certain is that, as at Valley Forge, every arrow will matter, and that the brief wait until the leader-boards change will seem almost unbearable, but that for once in a lifetime one must be there to see it as it happens.

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They want to present wildlife displays and hunting artifacts from around the world. And your contribution will be for a good cause—the area is open to the public, school groups, clubs and other organizations at no charge.

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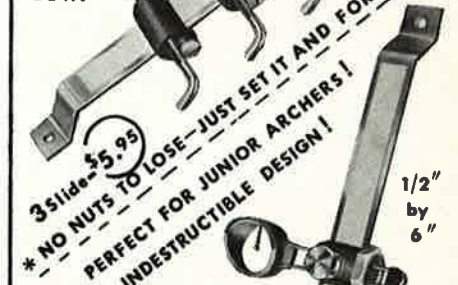
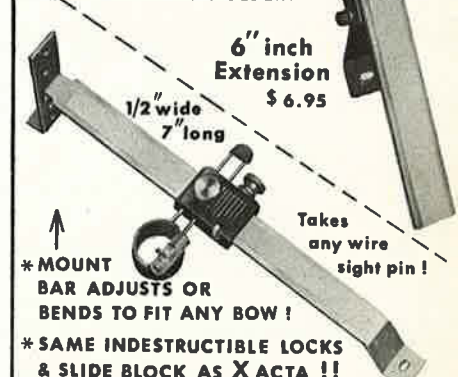
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The initial displays are to be ready May 1. The public is invited to visit Anderson Archery ten miles west of Lansing at the west city limits of Grand Ledge. If you have a trophy to contribute, contact J. D. Anderson, Anderson Archery Corporation, Box 130, Grand Ledge, Michigan 48837, or call 517-627-4021.

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2032 Grand Ave., Billings, Mont. 59102
- Golden Arrow Archery Lanes**  
1410 S. Main Street, Las Vegas, Nev. 89104
- Avery Indoor Archery**  
3063 Mansfield Road, Fort Worth, Texas 76119
- Indoor Archery Lanes**  
1705 Clinton Street, Galena Park, Texas 77547
- Trophy Archery**  
P. O. Box 15093, Fort Worth, Texas 76119
- Granstrom's Archery Lanes**  
1901 Hewitt Avenue, Everett, Washington 98201

### CENTRAL SECTION

- Archery Custom Shop**  
7240 W. Madison Avenue, Forest Park, Illinois 60130
- Chalk & Cue, Inc.**  
123 E. Van Buren, Joliet, Illinois 60432
- Gene's Archery Shop**  
605 S. 8th Street, Benld, Illinois 62009
- Centaur Archery Range**  
614½ Second Avenue, S., Fort Dodge, Iowa 50501
- Frontier Fun Center**  
13000 W. Highway 54, Wichita, Kansas 67235
- Hodgdon's Shooting Ranges**  
7710 W. 50 Highway, Shawnee Mission, Kansas 66202
- Chicago Archery Center**  
2364 N. Neva, Chicago, Ill. 60635
- Woody's Sport & Marine Supply**  
2009 Forest Ave., Des Moines, Iowa 50310
- Archery Center**  
7701 Logan So., Minneapolis, Minn. 55423
- Bwana Archery Lanes**  
214 East 4th Street, St. Paul, Minn. 55119
- Six Gold Indoor Archery**  
516 Main Street, Fenton, Missouri 63026
- Rand Archery Lanes**  
5903 E. 11th Street, Tulsa, Okla. 74112
- Automatic Archery Lanes**  
323 W. Beltline Highway, Madison, Wisc. 53713
- Bro-Ken Arrow Lanes**  
1620 S. 81st Street, West Allis, Wisc. 53214
- Custom Arrow Archery Lanes**  
2004 Court Street, Janesville, Wisc. 53545
- Midway Archery Lanes**  
1819 Midway Road, Menasha, Wisc. 54952
- Waukesha Archery Center**  
157 Bank St., Waukesha, Wisconsin 53186

### West Town Archery

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**L. C. Whiffen Co., Inc.**  
923 S. 16th Street, Milwaukee, Wisc. 53204

### GREAT LAKES SECTION

- Don Castrups Archery**  
4610 Washington Ave., Evansville, Indiana 47715
- Landon's Sport Shop**  
8187 Holly Road, Grand Blanc, Mich. 48439
- Maple Grove Archery**  
5512 S. Logan, Lansing, Mich. 48910
- Starlight Archery**  
21570 Groesbeck, Warren, Mich. 48089
- Starlight North**  
22311 W. Eight Mile, Detroit, Mich. 48219
- Starlight West**  
3001 Rochester Road, Royal Oak, Mich. 48073
- The Bow Rack**  
31501 Harper Ave., St. Clair Shores, Mich. 48082
- Click's Archery Lanes**  
1111 Upper Valley Pike, Springfield, Ohio 45504
- E. Bud Pierson Lanes**  
1642 E. Kemper Road, Cincinnati, Ohio 45246
- Portage Archery Center**  
1317 E. Waterloo Road, Suffield, Ohio 44260
- Sports Haven**  
P. O. Box 158, Green Town, Ohio 44630
- Vicks Archery Center**  
938 S. Cooper, Memphis, Tenn. 38104

### EASTERN SECTION

**Hall's Arrow Archery Lanes**  
291 W. Middle Turnpike, Manchester, Conn. 06237

### Greenbelt Sports Center

- 121 Centerway Road, Greenbelt, Md. 20770
- Buck Tail Archery**  
Mink Hollow Road, Highland, Md. 20777
- Jo-Jan Sportequip, Inc.**  
729 Frederick Road, Baltimore, Md. 21228
- Forest Orchard Archery**  
19 Blake Street, Northboro, Mass. 01532
- Mount Ephraim Archery**  
170 N. Black Horse Pike, Mount Ephraim, N. J. 08059
- Butts & Bows Archery**  
468 Washington Avenue, Belleville, N. J. 07109
- Summit Archery Lanes**  
443 Central Avenue, Jersey City, N. J. 07307
- The Archer's Shop**  
2485 Dewey Avenue, Rochester, N. Y. 14616
- Bison Archery Service, Inc.**  
2459 Seneca Street, Buffalo, N. Y. 14210
- Huguenot Archery Lanes**  
175 Division Street, Buffalo, N. Y. 10801
- Edwards Archery Products**  
Route 3 National Highway, Thomasville, N. C. 27360
- Jerry's Archery**  
R. D. No. 2, Monroe, N. C. 28110
- Exton Bowhut**  
724 E. Lancaster Pike, Exton, Pa. 19341
- Jim Glass Indoor Archery**  
109 S. Broad Street, Kennett Square, Pa. 19348
- Kelley's Indoor Archery**  
33 N. Railroad Street, Palmyra, Pa. 17078
- Dave Staples Indoor Archery**  
17th & Northampton Streets, Easton, Pa. 18042

Complete information available from ALOA, 729 Frederick Road, Baltimore, Md. 21228





# LANE NEWS

## To Get Your Activities On These Pages

These are your news pages, open to all AIAA-ALO A lanes programs. And we need your cooperation, if you are to get your news and tournament results onto these pages. Forward all newsworthy items, along with good quality black-and-white photos if possible, to Don Riemann, L. C. Whiffen Co., Inc., 923 S. 16th St., Milwaukee, Wis. 53204. Can you pass up free promotion for your lanes?

Don't let your shooters be disappointed when they would have earned an award. If your lane is not presently certified by ALOA, and you want to benefit by the many promotions available to you, such as your lane listing in Archery World, sanctioned league play with patch awards, \$50,000-plus in ALOArama, and additional award programs, contact ALOA headquarters at 729 Frederick Rd., Baltimore, Md. 21228 for full information.

## ALO A "300" CLUB CHARTER MEMBERS

Ten perfects have been registered with AIAA-ALO A to date, with some well known shooters among the ten. Three lanes — Bwana Archery in St. Paul, Minnesota, Six Gold Archery in Fenton, Missouri and Portage Archery, Suffield, Ohio — have two candidates each.

Here's the list: Howard Scott, Jo-Jan Sportsequip, Baltimore, Md., Nov. 11; Victor Berger, Click's Archery, Springfield, Ohio, Dec. 7; Chuck Holland, Henderson Archery, Phoenix, Ariz., Dec. 30; Douglas Newbury, Big Sky Archery, Great Falls, Mont., Jan. 6; Ken Gould, Bwana Archery, St. Paul, Minn., Feb. 3; Wayne Sanderson, Bwana Archery, St. Paul, Feb. 4; Lawrence Gerber, Portage Archery, Suffield, Ohio, Feb. 9; Raymond Vonder Haarr, Six Gold Archery, Fenton, Mo., Feb. 10; Edward Piaskowski, Portage Archery, Suffield, Ohio, Feb. 19; Charles Armentrout, Six Gold Archery, Fenton, Mo., Feb. 18.

Latest information from the manufacturer indicates that the "300" rings will be finished by the middle of May. To speed delivery of your ring, be sure to write your ring size and month of your birth on your application. The stone in your ring will be a birthstone.

## Papenfuss Is Wisconsin Lanes Champ

George Papenfuss, an 18-year old amateur shooting for West Town Archery, Milwaukee, shot a scratch 299 with fingers to win the Wisconsin ALO A lanes championship April 4. The shoot was held at Waukesha Archery Center.

He had given fair warning by shooting an identical 299 scratch with fingers to win the Wisconsin Field Archery Indoor Championships only three hours earlier. In each round he had one kiss out.

There were 107 AIAA shooters competing for handicap, scratch and amateur trophies. Division winners were: Men's Handicap — Evan Steinhorst, 301; Ted Wiktorek, 299; Julius Rojik, 297; Women's Handicap — Gina Wyszowski,

301; Betty Klemeneic, 294; Audrey Keppert, 293; Men's Scratch — Wendell Krause, 297; Darwin Johnson, 297; Lucky Flaminio, 295; Women's Scratch — Pat Skiera, 291; Rita Koske, 277; Ruth Schaffhauser, 274; Men's Amateur — George Papenfuss, 299; Phil Prizwan, 297; Bill Rankin, 295; Women's Amateur — Barbara Kluck, 275; Sue Skiera, 268; Nancy Damske, 263.

## ALO Arama to begin soon

ALO Arama — the new lanes game which makes winners of half the people shooting, and more competitors means more winners — is about to begin.

AIAA-ALO A people have the nationwide system of shooting about ready to go. A quick check at your local AIAA-ALO A lanes will give you all the information so you can enter.

Shooting will be the first Sunday of each month, all under PAA shooting rules. Shooters assigned to each target will determine their own rotation, shoot one game, then reverse the order. After the second game, lanes management will pick up the scorecards and rearrange shooters according to scores, with the four highest on Target One, next four on Target Two, etc.

Before shooting the third game, the lanes management will hold a drawing to determine whether the winning score will be the score of all three games or the score of the last game only. The third game will be shot two ends high target, two ends low target.

After shooting, award applications (AIAA and ALO A) will be distributed, and patches, ALO A pins and house awards, if any, will be presented. Awards will be given to the top two shooters on each target — 50 percent of all shooters.

That, briefly, is how the game works. In addition to monthly shoots, sectional and national competition is planned.

So get in on the fun and prizes. Win that patch or medal you've always wanted. Maybe you'll also qualify for the "300" club and win a specially cut ring. Check with your local AIAA-ALO A lanes operator for full information and shooting schedules.

## MARCH OF DIMES SHOOT

Fling Archery, Flint, Michigan, and Starlight Archery, Detroit, shot for the March of Dimes in January and, in addition to an enjoyable shoot, raised \$175.

Shooting for Flint were Evelyn Goodrich, Corrine Estes, Dale Wenzlick and Jerry Gross. They challenged the Starlight team of Bob Hall, Don Miller, Pat Meinecke and Marilyn Nicholas. The teams shot half of an ALO A-PAA round, with the two girls of each team shooting first.

The eight scores were then posted after each end for the benefit of spectators, of which there were quite a few. Les Brown and Chuck Nicholas kept them entertained with running commentary during the shooting.

Starlight's score of 562, to Flint's 561 gave them claim to the Brown Jug traditionally given to the winner, and each Flint team member received a trophy. True winner, of course, was the March of Dimes.

## BUTTS-AND-BOWS WOODCHUCK HUNT

Here's an off-season program you might want to try. Butts-and-Bows Archery, Belleville, New Jersey, has had great success with a summer woodchuck hunting contest. The contest begins May 1 and ends the first week in September. Awards are given for the three heaviest 'chucks bagged, most in a season and most in a day.

All kills must be brought to the lanes, weighed and measured. Prizes include trophies, matched arrows, quivers, camo suits and broadheads. Entry fee is \$3, and there's plenty of enthusiasm and competition.

Pluses for the bow hunter include familiarizing yourself with your hunting terrain (with the deer season in mind), use of regular big game hunting equipment, learning game habits, and picking the right moment to shoot.

## ALO A "300" Club Eligibility Rules

In order to be eligible for membership in the ALO A "Three Hundred Club," the following rules must be met in league competition:

1. The "Three Hundred Club" ring will be awarded only for scores shot on the official PAA target faces, the description of which is a 20 inch five ring face, white bull (five ring). Five ring, 3.2 inches in diameter; four ring, 8.9 inches in diameter; three ring, 13.4 inches in diameter; two ring, 16.9 inches in diameter; one ring, 20 inches in diameter.
2. ALO A reserves the right to change or cancel the awards given for a 300 series at any time, without prior notice.
3. The round must be shot in a commercial indoor range that is a current member of ALO A.
4. The round must be shot in AIAA sanctioned league competition.
5. The round must be shot in a league consisting of at least 12 players, during a regular league session.
6. Official PAA shooting rules apply, and must be observed.
7. 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 the lanes management and the league secretary. Shooter will complete series on same target by moving it to the appropriate matt positions as the game progresses.
8. When lanes management and league secretary have been notified, lanes manager or his appointed representative will keep score for the remainder of the series.
9. If a perfect 300 series is shot, the shooter's team members will sign the application for award, along with the management representative listed in rule eight.
10. League secretary and management representative will be responsible for completing award application and forwarding to ALO A, 729 Frederick Road, Baltimore, Maryland 21228 for approval of presentation. Official target face used must accompany application. Target may be cut outside of four ring to facilitate mailing.
11. The winner agrees to cooperate in normal publicity in keeping with an event of this nature.
12. Lane operators and their full- or part-time help are not eligible for these awards.
13. A shooter will be eligible to win the award only once.
14. A shooter must have a 75-percent attendance record to maintain eligibility for the award.
15. A substitute will not be eligible for the award unless he is a member of the sanctioned league.
16. ALO A will be the sole and final judge as to the eligibility of any league member to receive these awards. Copies of these rules are available from ALO A.

See the ALO A directory, pages 44-45, for the ALO A lane nearest you.

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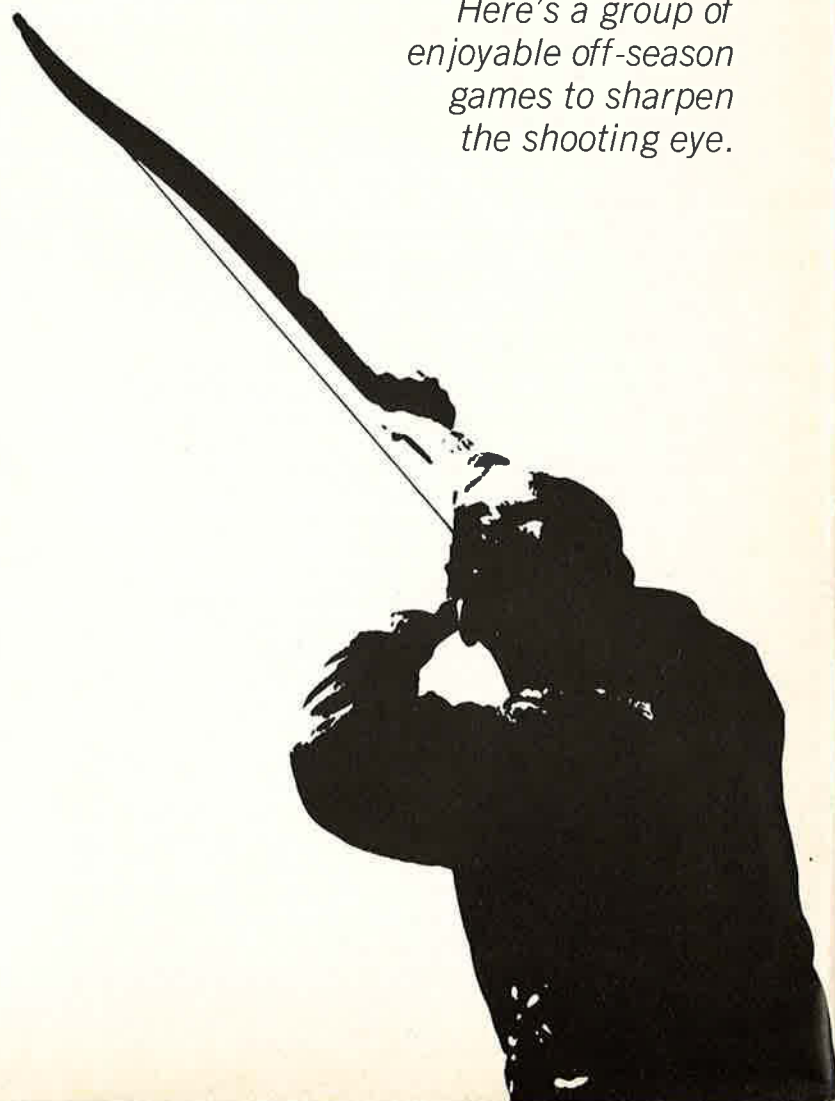




• Rolling tire with cardboard center is tough challenge.

# CRAZY GAMES BOWMEN PLAY

When you're hunting, the first arrow must be perfect. Here's a group of enjoyable off-season games to sharpen the shooting eye.



• Wind-blown balloons make skitterish targets for snap shooting.



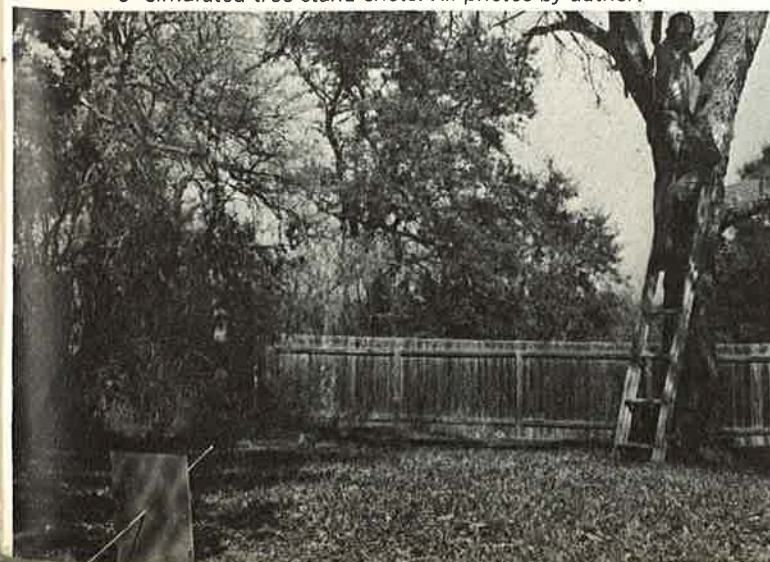
• Bright rubber ball aids vision on swinging target.

by Russ Tinsley

## PRACTICE MAKES PERFECT.

That's a trite but apt statement which is accepted as gospel. A person learns something, becomes more proficient, by repetition, assuming he has mastered the basic fundamentals. Of course the entire premise is founded on the theory that a person is dedicated to practicing regularly. Few bowhunters are so inclined. Many will go afield this fall with a minimum of pre-season practice, if any at all. And those that do practice probably will set a target, step back a couple dozen yards, and simply fire arrows as they would in a competitive round. Stance just right, draw to the proper anchor point, hold steady for an accurate sight picture, and release correctly. Arrows fly straight and true.

• Simulated tree stand shots. All photos by author.



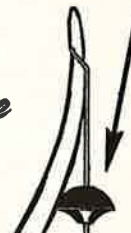
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There is just one drawback: few shots in the field come in this classic position. So about all range practice accomplishes is to condition muscles and fine-tune the draw, hold and release motion.

At least, I have convinced myself this is true, for I hate to practice. Hunt, yes; practice, no. But I realize that practice is necessary for success, so I tolerate a certain amount of it.

There is no reason for practice to be dull, however. Play games with your bow as you practice and have fun at the same time. Games of movement teach the archer to make snap decisions, take quick shots, and learn to adapt where he can shoot from practically any position.

When improvising games I think in terms of one arrow, putting the premium on that first shot. In bowhunting there seldom is the luxury of a second chance. Learn to put one arrow accurately where you want it, that's all you will need!

In my backyard I have a crude range. Occasionally I'll take my bow, walk outside and impulsively release an arrow, from just about every position imaginable. Just one arrow, no more. The idea is to condition yourself to think positive, to try to make the very best shot possible with this one arrow. In bowhunting, that is the only one which counts.

This is a simple game I play with myself, based on a scoring system, with ten points for a bull's-eye hit, then graduating down to nine, eight, seven, and so on until one. I score on the basis of ten arrows, maybe shot during a week's time or perhaps even a month. The time-span really isn't important. The points for ten arrows are added, then for the next ten I try to surpass this. The system makes me concentrate, for I know that each arrow is important to the overall score. It sort of is like trying to beat par in golf; the bowhunter can't fool himself, he knows exactly how well or how badly he has done. This game doesn't involve much time nor effort, but for me it accomplishes a need: trying to make the very best shot possible with one arrow.

Anyone with imagination can improvise similar games, based primarily on available practice space. To make them more fun and sporting, they can be competitive.

Like, for example, what I call the rubber-ball game. A small soft-rubber ball (the size really isn't important) is attached to a piece of cord about 15 inches long. The ball is suspended forward of plain cardboard on my backyard paper bale. I like the contrast of a bright-colored ball against the dull paper, where the eye can easily follow the movement.

One person sets the ball in pen-

duluming, then gets out of the way while his buddy tries to hit the ball during its back-and-forth motion. It is sort of like trying to lead a bird, picking an imaginary spot and trying to anticipate where ball and arrow will meet simultaneously.

Another fun game is bow-birding. A person could make his own throwing disc, to simulate a bird in flight, but I prefer to use the inexpensive target made and marketed by the Saunders Archery Company. This is a tough 15-inch reinforced cardboard disc with a three-dimensional center which rises about six inches above the base. One person throws the disc, another with a bow tries to hit it with an arrow. It is that rudimentary. Some sort of scoring system can be devised, if you prefer, or, like in trapshooting, you can simply count the number of hits on, say, 25 thrown targets (of course using the same target to throw time and again). This erratically thrown disc is a challenge to hit, particularly if any wind is blowing. It is good practice if you ever hope to try wing-shooting birds with your bow, and it also is a lot of fun. Use flu-flu arrows, the largest fletchings you can find where arrows won't travel too far, and make sure you have plenty of room, like a football field, where distance is an accepted safety factor.

Another simple game is to inflate balloons and put them on fairly smooth ground when a fairly stiff breeze is blowing and try to hit them as they skitter about. Just be sure there is an adequate backstop. A similar game, much more difficult, is to put a cardboard insert in an old tire and have one person roll the casing down an incline while a bowman tries to hit the erratically-bouncing target. If you think you are pretty good with a bow, try this game sometime. It has a way of deflating an over-sized ego.

The game I call "hunt" is one of my favorites. Several life-sized animals are painted on chunks of cardboard (you can use standard animal targets as an alternative). One person goes down a trail and positions the targets, about a half dozen in number, at different places, then the bowhunter follows the same trail, trying to see each animal as quickly as possible and get an arrow into a vital area. The idea is to pinpoint each target to create difficult shots, perhaps on a knee to get under a low-hanging limb, or trying to put the projectile through just a narrow pencil of opening.

If you want to make this game competitive, designate certain point values for hits in vital areas, putting a premium on accuracy. But don't actually mark a point area; this negates the basic reason for playing the game: learning to mentally find a vital area on an animal and pinpointing an arrow

there. A deer, for instance, doesn't have a prominent spot just behind the shoulder for aiming purposes, as many neophyte bowhunters ruefully find. The tendency of the inexperienced hunter is to simply shoot at an animal rather than a small, specific spot. The "hunt" game is designed to teach a person to spot-shoot.

If you wish, at one target a step-ladder can be placed in the trail and the shooter must climb to get a shot, firing from an elevated position, as he would from a tree stand. Even in simple backyard games, shoot occasionally off a ladder. Try shooting from a tree stand and you'll understand the value of this practice.

Games can assume practically any

shape or fashion. They are limited in scope only by a person's imagination. I've seen bowmen try to hit claybirds thrown with a hand trap, or large rubber balls bounced along the ground. I once saw a unique target made by stretching a wire between two trees, slanting at an angle, and a cardboard-disc held by a ball-bearing pulley rolled rapidly down the wire. Archers attempted to hit the moving target.

If you've got some favorite games, pass them along and we'll print them in the letters-to-the-editor column. Games are fun and sporting, not dictated by any season. They teach a person to become a more proficient shot in unorthodox situations, which is what bowhunting is all about.

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The eighth annual Professional Archers Association national championships, set for September 9-12 at Grayling, Mich., will be worth a hefty \$15,000 in cash prizes. Four official PAA outdoor rounds will be shot, one each day of competition. There will be men's, women's and senior divisions. Men's winner will receive \$1,500; women's winner \$1,000. There will be \$12,000 for 40 men's places and \$3,000 for 10 women's places.

Preregistration fees of \$40 must be postmarked before August 25. Late registration fees of \$60 will be accepted before the beginning of competition September 9. Registration fees, minus a \$5 handling fee, are refundable if you request this in writing.

Sponsored by the Grayling Regional Chamber of Commerce, competition is restricted to members and apprentice members of the PAA. Apprentices must be approved at least 30 days before the event to be eligible for competition.

Make your entry checks or money orders payable to the Professional Archers Association, 1500 N. Chatsworth St., St. Paul, Minn. 55117.

## THE YOUTH BRIGADE

Champions don't come much younger than 10-year old Mark Wollman, Los Angeles, Cal. And with archers like Mark coming on strong, the United States' chances for good showings in future Olympic competition should be high.

Mark began shooting about two years ago in an LA park league and, when his park instructor saw Mark's natural talent, suggested Mark get some professional coaching. Clint Morehouse took over, and within six months Mark won the Indoor and Outdoor California state championships in his division.

Mark shoots a Black Widow bow that pulls 16 pounds at his 18-inch draw. He practices at least five days a week during the summer and at least three days a week during the school year. He shoots in the mid-250s on the PAA indoor round, and can hold good accuracy to around 60 yards.

## BERGER, QUARLES SHARE PENNSY OPEN WIN

Vic Berger, the top ranked pro archer

from Springfield, Ohio, and Jim Quarles, Virginia, carded perfect rounds at the Pennsylvania Indoor Open Feb. 28 to share the title and split the money for the top two places.

Third place was tied among six men — Dave Jackson, Maryland; Frank Pearson, Palmyra, N. J.; John Kleman, Latrobe, Pa.; Dick Volney, Westwood, N. J.; Dave Young, Niagara Falls, N. Y.; and Andy LaMarche, Baltimore, Md. They all shot 299.

Bette Wirtz, Glastonbury, Conn., took top women's pro money with 291. Second place went to Pansy Brown, Oxen Hill, Md., and third to Marilyn Webster, Maryland.

## PRODUCTS EVALUATION GROUP FORMED

A six-man products evaluation board, consisting of Chuck Lewis, Flint, Mich.; Dave Young, Niagara Falls, N. Y.; George Catlin, Frankfort, N. Y.; Jim Ploen, Bloomington, Minn.; Hugh Shaw, Wellman, Iowa; and Jim Carroll, Fremont, Cal., has been formed to fill a long existing gap in PAA procedures.

Dave Staples, PAA president, when announcing the board, said "The purpose of the products evaluation board will be two-fold. It will be a protective device to evaluate new products against the shooting rules of the PAA, and to evaluate and report on any new products through the PAA newsletter to all association members.

George Catlin will coordinate the board's work. Interested manufacturers should send one sample of their product, along with complete technical data, to him at R. D. 1, Frankfort, N. Y. 13340.

## SILVER EAGLE SANCTIONED

The second annual Silver Eagle Pro-Am Open, June 5-6, New Boston, Ohio, has received official PAA sanction. The event carries a \$2,500 cash purse, with \$1,600 in the championship flight and \$900 in three additional flights. There will be two rounds of PAA outdoor competition.

Amateurs will be shooting for trophies, and there will be a two-man team competition that will pay back 75 percent of the team entry fees in awards.

Entry fees are \$30 pro open, \$7.50 amateurs and \$10 for teams. There will be small late registration fees in all divisions.

For full information, contact Donald Hickman, 808 Lakeview Ave., New Boston, Ohio 45662.

## WEBSTER WINS NEW ENGLAND OPEN

Hollis Webster of Maryland topped

New York's Jim Gardner and Bill Robinson of New Bedford, Mass., in a three-way shootoff for top money at the New England Open, March 13-14 at Manchester, Conn.

All three shot 300s. Webster won on the twentieth shoot-off arrow and picked up \$200. Robinson and Gardner shared second and third place money and took home \$95 each.

Tied for fourth were Norm O'Kane, Dick LaMar, Dick Volney and Dave Jackson with 299.

Nancy Pfeilmier, Palmyra, N. J., nipped Bette Wirtz, Glastonbury, Conn., for top women's open honors, 285 to 284. Gina Konopaska, Storrs, Conn., failed to successfully defend her New England title and finished third with 282.

## SANDERSON WINS CORN PALACE

Wayne Sanderson, Hastings, Minnesota, planted his first sudden death shoot-off arrow in the spot, and defeated Ed Rohde, Muscatine, Iowa, who had put his first shoot-off arrow in the four-ring, for the \$250 top prize at the first Corn Palace Pro-Am Tournament at Mitchell, South Dakota, March 7. Rohde's second place money was \$100. Both shot perfect 600s. Wes Hagemeyer, Edina, Minnesota, finished third with 598.

Nancy Sanderson, Wayne's wife, had a pair of 289s for 578 to take first place in the women's open division and top money of \$100.

Jim Ploen, Bloomington, Minnesota, 583, and Dennis Higby, Waseca, Minnesota, 560, won first and second flight top spots. Lois Rames, Huron, S. D., with 264, took women's first flight top honors.

Edie Barringer, Rapid City, S. D., 553, won amateur women, and Wayne Donnay, New Brighton, Minn., 593 topped amateur men.

Kenny Woody, Des Moines, Iowa, with an excellent 593, topped youth boy's division shooting.

## PALMATIER HEADS ETHICS COMMITTEE

Karl Palmatier, Hickory Corners, Mich., has been appointed to head the Ethics Committee of the PAA. Palmatier, who has been a shaping factor in the sport of archery since 1928, commented on the PAA and the code of ethics:

"... Presently the PAA has two areas to work in. First, we should give much more stress to the importance of the code in our instructional program. Second, the present members should be brought up to date. About three cases come before the ethics committee each year, and any censure should be based on a section of the code that the person concerned should well understand and be without grounds to argue about."



Webster



Sanderson



Rohde



Palmatier

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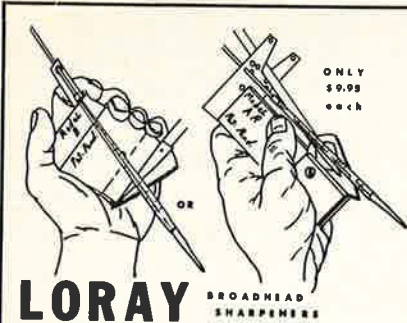
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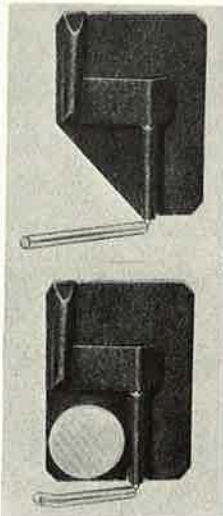
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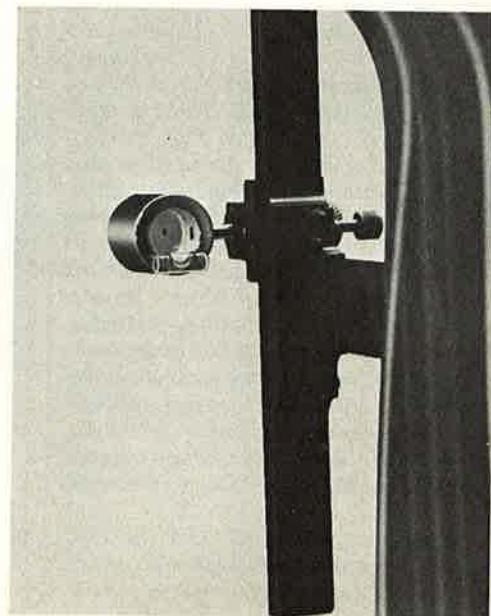


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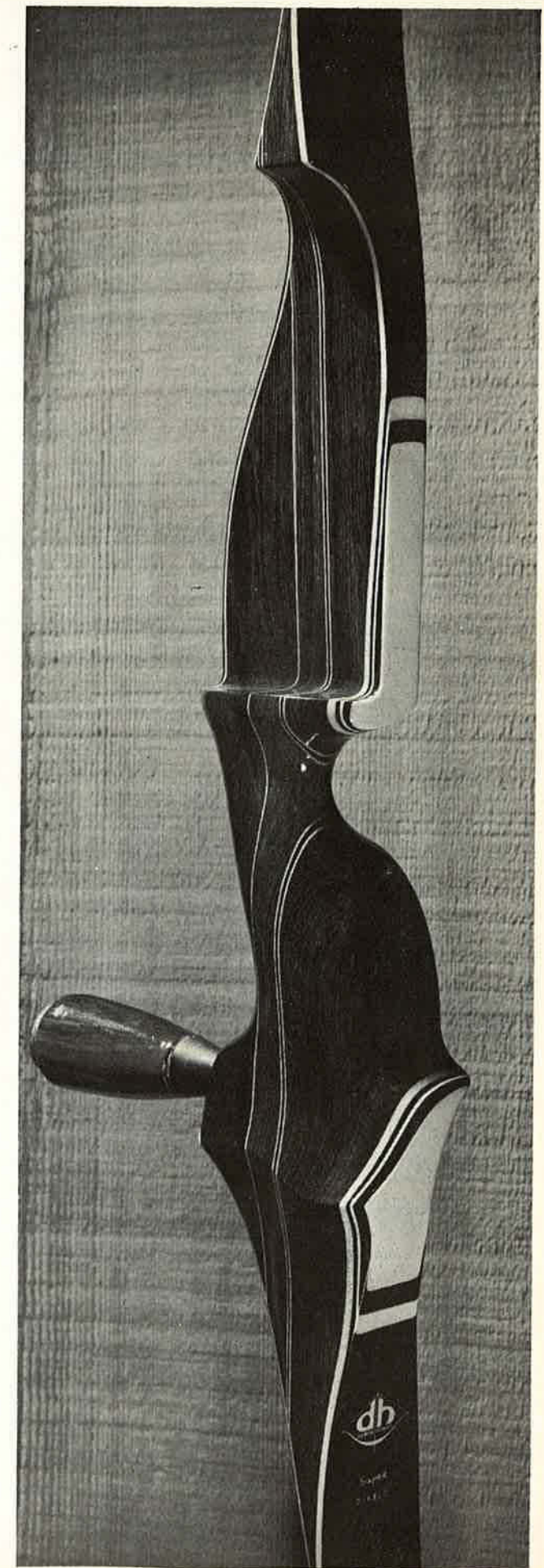
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## the archery clinic

by Jack Witt

A MAN BUYS a small boat. Within a few weeks he needs a motor for the boat. Now with a boat and motor, he needs something to let everyone know he has the boat and motor, so he buys a yachting cap. At this point people ask him questions, and suddenly he is an expert.

An archer becomes an expert via a different route. He usually is introduced to the sport by a friend. He buys his first outfit and goes to the archery range. Here he finds that practically everyone is an expert, as they are more than willing to point out everything he is doing wrong. He learns a new vocabulary. At home he displays his bow and arrows. Neighbors come in and he displays his new vocabulary. Suddenly he finds that he too is an expert.

You have these experts in hunting, golf, skiing as well as in boating and archery. Their intentions are good, but so many times their advice is misleading. What so many fail to realize is what it takes to be an expert. Regardless of the sport, an expert is made by practice and more practice. Few people have any idea of the number of hours the expert archer spends shooting. Few ever realize the number of hours and years the expert coach has spent watching others shoot. The word "experience" takes on an entirely different meaning when it is applied to the expert. And then as in every category of a sport, some have that special knack. These with that special gift plus the experience become the experts.

The other evening one of the new archers that had been shooting only a few weeks found that he was consistently shooting to the left. Everyone on the shooting line had some advice to offer. His arrows weren't spined right . . . his bow needed to be cut in more . . . he was plucking his string . . . he was losing tension . . . he should shoot with one eye closed. I listened to all this advice and watched as the archer continued to shoot to the left. As I was closing the shop for the night I went over and told the archer what he was doing wrong. He was trying so hard to aim he had developed the habit of canting his head. This pushed the nock of the arrow out to the right and the arrows had to go left. By holding his head straight and anchoring lightly the arrows began to go down the middle.

Most of the bad habits shooters get into are small. If they are caught before the archer develops more faults, there is no problem; but if the archer doesn't know what is wrong he can go from one bad habit to another and become completely frustrated.

I was one of the most fortunate archers in the country. Around twenty years ago, when I first went to work for Ben Pearson, I knew absolutely nothing about shooting. But in handling the sales promotion for the company I traveled all over the country and had the opportunity to meet and shoot with the best. I was determined to learn. Frank Morriston had the reputation of being one of the best instructors in the country.

## The Problem With Instant Experts

I asked Frank to watch me and tell me what I was doing wrong. Frank just shook his head, and said, "there is nothing you're doing right." I held my temper and continued to ask questions. He was right.

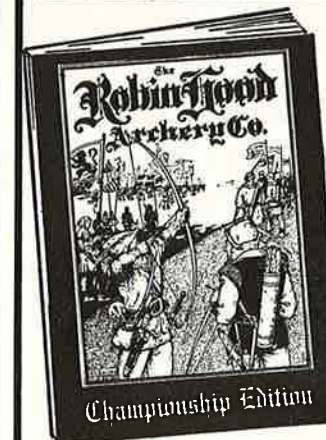
I began to confine my questions to archers with a reputation for coaching, and for the first time began to make sense out of things the champions had been saying. I found that it is so easy to get the wrong impression from simple statements. For example here are some statements you hear around archers daily. "Keep tension in your shoulders" . . . "Don't drop your bow arm" . . . "Get a nice firm anchor" . . . "Straighten out your release" . . . "Keep your drawing arm in line."

Now I've seen archers that could take each of these and come up with an entirely different meaning. For each of the above problems, there are things that cause the problems. For example, if an archer says, "You're losing tension", and doesn't explain what is causing you to lose tension, all you have is a problem that becomes even more magnified.

Seek the professional that has become an expert.

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**names...notes...news...names...notes...news  
news...names...notes...news...names...notes**

**HUNTING POSTER**

You've seen the sunrise on several bowhunts, and it always looks great. Now you can get a strikingly designed 25-inch by 38-inch four-color poster titled "Sunrise Hunt" from Easton Aluminum. In red, orange, yellow and blue, the poster can be an ideal addition to your den or workshop wall. For each poster you order, send \$1 to cover postage and handling to Poster Offer, Dept. AW, Easton Aluminum, 7800 Haskell Ave., Van Nuys, California 91406.



**MORGAN TO SHAKESPEARE**

Douglas G. Morgan has been appointed Archery Product Manager for Shakespeare Sporting Goods Division, according to Clyde E. Rickard, vice president. Morgan was most recently national accounts sales manager with Bear Archery, and is on the board of directors of the Archery Lane Operators Association. He is also a member of the Professional Archers Association.



Morgan



Benedict

**BENEDICT JOINS BEAR**

Ralph H. Benedict, Jr., a former marketing executive with the Olin Corporation, is the new executive vice president and general manager of Bear Archery Division, Victor Comptometer Corporation, Grayling, Michigan.

**IN THE HEART OF GOTHAM**

The past winter saw New York City's first archery money league. The New York Archery League shot 19 weeks, had six teams with four people per team. The league was aided considerably by the Iroquois Bowmen, who gave free use of their range.

Team rankings, top to bottom, were Queen's Archery, Challenger Manufacturing, Elena Wigs, Safari Archery, Hobby Den Sports Center, and Jackies Fashions. Benny Tirado had high average; he tied with Fred Roth for high game; Jimmy Fegar was most improved archer.

**FOR THE CALENDAR**

**ILLINI 3-D SAFARI**

The Northern Illinois Bowmen will hold a 3-D safari shoot July 17-18 at McHenry, Illinois. Twelve moving targets and 16 other animal targets. Entry fee of \$2.50. For full info, contact Irene Trumble, 827 Laurel Ave., Woodstock, Ill. 60098.

**MOSS LAKE SCHOOL**

Moss Lake Camp in the Adirondacks has a special two week session for archers and families June 19-July 3, with instruction in all phases of archery. There are plenty of other recreation facilities and a private lake. Write to Moss Lake Camp, P. O. Box 156, Bridgeville, Delaware 19933 for full information.

**SOUTHEASTERN TOURNEY**

The 1971 Southeastern Sectional Archery Tournament will be June 19-20 at the Keowee Bowmen range in Clemson, South Carolina. To give all archers a chance to shoot the Keowee range prior to the tourney, the Keowee Bowmen will host their annual Silver Dollar Invitational Shoot. For full particulars, contact Frances C. Wright, publicity chairman, Keowee Bowmen, Inc., 101 Skyview Drive, Clemson, S. C. 29631.

To put you ahead of the game...

# Three Very New, Very Special Golden Eagle Hunting Bows

Hunting for game never had it so good...or so powerful...or precise...or speedy...or smooth. And we could go on, just like these 3 new Pro Line bows go on and on with precision and stability that never say die, *except* when your bow hits that buck and *you* bag a big one.

The **CONDOR**, the **OSPREY**, the **EAGLET**...because good things come in threes...because Golden Eagle Pro Line knows hunting like nobody's business.

**Condor**—a powerful new beauty of a bow in that just-right, always "right on" 56" and 60" lengths. Limbs are 2" wide with black non-glare glass. Other features include large sight window, hunter arrow rest, plus a stabilizer insert featured as standard equipment. When accuracy counts, count on **CONDOR**. No. X406—56" or 60", 40 to 60 lbs. (right hand), or LHX406 (left hand). All bows stocked in 40, 45, 50, 55 lbs. Heavier bows take a little longer.

**Osprey**—introducing the **OSPREY**, a newly designed 54" surprise package for the bow hunter. Loaded with speed yet unbelievably smooth on release. Black, non-glare glass, 2"-wide limbs and hunter arrow rest are standard. No. X404—40 to 60 lbs. (right hand), or LHX404 (left hand). All bows stocked in 40, 45, 50, 55 lbs. Heavier bows take a little longer.

**Eaglet**—here's the surprise package of 1971. The best little bow ever produced. Perfect for the beginner and pro hunter alike. Priced



for top value and performance, cram-packed with speed and penetration. Forest green non-glare glass, 4" sight window, reinforced tips and string aligning grooves for complete stability and accuracy. Hunting weights of 40, 45, 50 lbs. The 52" **EAGLET** also easily becomes a fine Jr. Olympic bow and the perfect bow for that son or daughter. Imported Imbuaya handle with soft ivory glass, pistol grip and arrow rest are just a few of the features. No. X402—52", 20, 25, 30, 35 lbs. (right hand), or LHX402 (left hand).

All GOLDEN EAGLE PRO LINE Hunting Bows available through Golden Eagle dealers only. Write today for your free brochure, and location of your nearest dealer.



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## Bow accessories made simple.

Bear introduces the Converta-Accessory Insert. To attach a tournament or hunting stabilizer, or bowfishing reel, just screw it into the insert bushing. To add a bowquiver, all you need is a simple Adapter Kit, and that, too, attaches directly to the insert. (If you own a Take-Down bow, you don't even need the Adapter Kit.) And you can use either of the stabilizers to hold the quiver in place. Bow accessories 1971 style. From Bear. What could be simpler?

**BEAR ARCHERY**  
Be a two-season hunter.

The Converta-Accessory Insert is standard on all 1971 Bear composite and Take-Down bows (except Bearcat and Little Bear). Optional accessories shown above: Bear Omni-Coupler Stabilizer, Fred Bear Hunting Stabilizer, Bear Converta-Bowfishing Rig, Bear 8-Arrow and 4-Arrow Converta Quivers. Write for your free copy of the 1971 Bear catalog. Bear Archery, Division  Victor Comptometer Corporation, Dept. AW-5, Grayling, Michigan 49738.