#### MINUTES

#### MONTANA HOUSE OF REPRESENTATIVES 51st LEGISLATURE - REGULAR SESSION

#### COMMITTEE ON FISH AND GAME

Call to Order: By Chairman Bob Ream, on January 31st 1989, at 3:05 p.m.

#### ROLL CALL

Members Present: All present with exception of:

Members Excused: Rep. Strizich

Members Absent: none

Staff Present: Doug Sternberg, Legislative Council and Maureen Cleary, Committee Secretary

Announcements/Discussion: Chairman Ream announced that there would be a delay on executive action on House Bill 186. Due to some possible amendments to clarify language. House Bill 289 was appointed to a sub-committee. Chair of the committee will be Rep. Jim Elliott.

#### HEARING ON HOUSE BILL 342

#### Presentation and Opening Statement by Sponsor:

REP. DARKO: House District #2. This bill is a simple bill. It was brought to me out of concern from gun owners and collectors. What they discovered was there are no minimum caliber restrictions for state hunting regulations. With exception of shotguns. This bill will establish a minimum caliber for hunting big game animals. It was inappropriate to use anything other than large caliber on a big game animal.

#### Testifying Proponents and Who They Represent:

#### Proponent Testimony:

Mr. Marcoux: (See Exhibit #1)

#### Testifying Opponents and Who They Represent:

None present due to extreme weather conditions.

#### Opponent Testimony:

none

#### Questions From Committee Members:

- REP. RANEY: Why are mountain lions were exempt from this? MR.

  MARCOUX: Usually when hunting for mountain lions. Dogs are used. This is usually because the animal is taken for the pelt. REP. RANEY: What about the collector rim fire guns that are of high caliber? They are quite powerful. MR.

  MARCOUX: There is more than one type of rim fire ammunition. The Dept. does have some experts in this field, we could provide the Committee with additional information at your request.
- REP. DEMARS: What is the definition of "legal ammunition"? MR. MARCOUX: The term refers to a killing shot when an animal is down, but not dead.
- REP. EUDAILY: What does the definition of "big game" consist of as stated in the statutes? MR. STERNBERG: Read the text and noted that mt. lion would be excluded under this bill. MR. MARCOUX: Some states do list rabbit as game animals. There is always a possibility that Montana may.
- REP. KELLER: How do you feel about including an amendment for hunting bear with dog? MR. MARCOUX: Bear is not usually hunted with hounds. The Dept's preference would be not to modify.
- REP. BLOTKAMP: How would the law would be enforced? MR. MARCOUX:

  In most cases individuals would have to be watched, or an actual observation the kill by Dept. personnel. REP.

  BLOTKAMP: What is the penalty? MR. MARCOUX: (Deferred to Mr. Kent of the Dept.) MR. KENT: The penalty would most likely be a minimum of \$50.00 with a maximum of \$500.00.

  REP. BLOTKAMP: Are there were any provisions that would protect the person in case of an emergency type situation?

  MR. KENT: Each case in this type of situation would be judged on its own merit.
- REP. DEMARS: Would bobcats be included? MR. MARCOUX: Bobcats are not a game animal.
- REP. EUDAILY: What about the effectiveness of guns verses bow hunting? MR. MARCOUX: I am not fully informed in regards to that, I don't feel that I could answer your question.

#### Closing by Sponsor:

REP. DARKO: This bill addresses a valid concern. Two avenues are possible, this could go through the Fish and Game Commission or through legislation. In most cases this group that originally brought the bill to me, felt that the problem was

lack of education. In the type of ammunition used in hunting big game. This bill could clarify that problem and prevent fewer injured animals.

#### HEARING ON HOUSE BILL 307

#### Presentation and Opening Statement by Sponsor:

REP. HOFFMAN: Opened briefly to the Committee.

#### Testifying Proponents and Who They Represent:

- Mr. Howard Thompson/ outfitter, Ennis
- Mr. Paul Roos/ outfitter, Helena

#### Proponent Testimony:

- Mr. Howard Thompson: It is an inconvenience to travel to cast a ballot. Many of the outfitters in the industry are small operators, alot of them are unable to hire help to fill their place. During the spring and winter season alot of the outfitters are elsewhere promoting their business.
- Mr. Paul Roos: The floating industry over the years has experienced a tremendous increase in business. The process that was used when the council outfitter members were elected represented not one fishing industry person. I is my understanding that approximately 40-45% of the outfitters are fishing and floating outfitters. Alot of these outfitters are a one-horse show and have a personal relationship with their clients. In order to get to cast their votes they must either lose a client or not vote.

Other testimony may be referenced to exhibit numbers.

#### Testifying Opponents and Who They Represent:

Ms. Jo Brunner/ Montana Outfitters and Guides Association, Helena

#### Opponent Testimony:

Ms. Brunner: (See Exhibit #4)

#### Questions From Committee Members:

- REP. RANEY: Is there not presently a method in place whereby any outfitter can vote by proxy? MR. HOFFMAN: Because I am not directly involved in the organization, I am unsure as to the reasons why they requested the bill. Perhaps the problem could have been due to the fact that alot of the outfitters were not sure as to their vote prior to attending the meetings. MR. BRADSHAW: The limitation of the proxy is that the attending outfitter at the meetings can only bring one proxy. Therefore it appears to be a very limited proxy.
- REP. RANEY: Is there a mail in proxy in place? MR. BRADSHAW:
  There is no such provision for a mail in ballot.
- votes to each outfitter would help the situation? MR.

  BRADSHAW: It would be difficult to answer that question from the standpoint that it would vary form region to region depending on the attendance. In some circumstances it might help. The practical difficulty is the overall attendance now is so low, whether that will work or not is problematic.

  REP. ELLIOTT: Do you know exactly how many outfitters there are in the state? MR. BRADSHAW: There are about 600 currently. With 3/5 in hunting and 2/5 in fishing and floating. MS. BRUNNER: Many outfitters are involved in both aspects of the industry.
- REP. KASTEN: I am concerned about the language in the bill referring to the "majority vote". If a majority vote does not happen then will the committee have another election? And another? MR. HOFFMAN: The nominee who receives the most ballots will be on the board. The one that receives the second most will be the alternate. REP. KASTEN: Again, I question the language.
- REP. REAM: It is my understanding that the language referred to the existing board members. What they are trying to do is narrow it down to two people whose names are forwarded for appointment by the Governor.
- REP. KASTEN: They want it to read this way. They are trying to amend it to read this way for a purpose. MR. HOFFMAN: The important thing for the outfitters is the opportunity to the procedure. If there are changes that could provide a better opportunity then I am sure the outfitters will agree with the content. It is important that all have the opportunity to vote. REP. KASTEN: What percent of the outfitters vote now? MR. HOFFMAN: Less than 30% voted in his area, about 15% of the total controlled the vote. REP. KASTEN: Is that true for most areas? MR. HOFFMAN: The total for the state was 40%. If you could get 40% to the meetings then getting an additional 10% vote would not be a problem.
- REP. HANSON: What if you just said the people attending the meeting would be able to vote? MR. HOFFMAN: That is the way the voting is conducted now. And that is the problem.

Because getting to the meetings is the problem. We just want to make an allowance for the absentee vote.

- REP. EUDAILY: It appears that you are seeking more input from the outfitters in the state. But I see that you are going to try to do that by mail ballot. In a form and manner prescribed by the council. It states that the council might change that method of voting. If you want it this way then you should have some sort of provision for that. MR.

  HOFFMAN: The intent was different. The reason for the language is that if you do require a 50% majority, then you may run into a problem. So the council notes the highest number of votes.
- REP. DAILY: What is the exact number of licensed outfitters in the state? MR. MARCOUX: That information is listed with the Dept. of Commerce, not with the Dept. of Fish, Wildlife and Parks.

#### Closing by Sponsor:

REP. HOFFMAN: The issue being addressed is a matter of fairness, these outfitters are only asking for an equal opportunity to be heard. I can see some need for repairs on this bill. And I think that it can be done. The main intent of this bill is that all outfitters have a fair opportunity for input.

#### DISPOSITION OF HOUSE BILL 307

Motion: Rep. Cohen: motioned a "do pass".

Discussion: Rep. Eudaily: I have a conflict with some of the language of the bill. Mr. Bradshaw: That language is dealing with the quorum issue. It would be a good idea to have a quorum present, but the idea of the bill is to have the election more accessible. We are willing to take out the sections that confuse the language. The intent is simply to allow for access.

#### Amendments, Discussion, and Votes:

Rep. Daily: Suggested several amendments (Refer to Standing Committee Report) and made the motion for a "do pass on amendments". The amendments were voted on and passed.

Recommendation and Vote: THE COMMITTEE THEREFORE RECOMMENDS A "DO PASS AS AMENDED" FOR THIS BILL.

#### HEARING ON 379

#### Presentation and Opening Statement by Sponsor:

REP. ELLIOTT: District #71 opened to the Committee. Presenting

the bill at the request of the traditional bow hunters of the State of Montana.

#### Testifying Proponents and Who They Represent:

Mr. Monty Moravec/ Missoula

#### Proponent Testimony:

Mr. Moravec: (See Exhibits #5 and #6)

#### Testifying Opponents and Who They Represent:

- Mr. Bill Van Donsel/ Helena, (See Exhibits #7,#8)
- Mr. George Lane and Ms. Jan Hammer/ Helena (See Exhibits #10, #11)
- Mr. Cal Bennett/ Helena (See Exhibit #12)
- Ms. Kim Spurzem/ Helena
- Mr. Steve McGee
- Mr. Ray Pellen/ Bowhunter education instructor, Pres. Lewis and Clark Archers/Helena
- Mr. Ron Marcoux/ Dept. Fish, Wildlife and Parks, Helena
- Ms. Vera Cahoon/ Helena (See Exhibit #13)

#### Opponent Testimony:

- All testimony is listed by the Exhibit numbers respectfully, with exception of those listed below:
- Ms. Kim Spurzem: We stand to oppose this bill in its' entirety.

  There has never been a problem in the past, why bring this up? Fish and Game should be there to regulate this. It is a wedge that has been driven, we all are bow hunters.
- Mr. Steve McGee: What we need is more education. I do this for a living. This equipment has help prevent less wounding when harvesting an animal. I do not understand why some archers want to dictate to other archers what equipment they should use. The harvest ratio since this equipment has been around has not changed the percentage of animals harvested. Because you use this equipment does not guarantee that you will harvest an animal. It still takes your hunting skill to harvest.
- Mr. Ray Pellin: I invite all of you to come to our range to become more familiar with the sport of bowhunting.
- Mr. Ron Marcoux: As you can see from the testimony this is a

complex issue. The Dept. has little data that indicates that archery modification with equipment is necessary. Recognize, the more sophisticated the equipment becomes the greater the potential for harvesting. Result from any legislation that is passed should be enforceable. There are some concerns regarding enforcement, you might consider as an option to afford the Fish and Game Committee the authority to spend time to research and find a resolution on this problem. We would be willing to work with the groups to provide options.

#### Questions From Committee Members:

REP. KASTEN: How would the Dept. of Fish, Wildlife and Parks go about enforcing this bill? REP. ELLIOTT: (Deferred to Mr. Irv Kent/ Dept. Fish, Wildlife and Parks) Enforcement would be a problem.

#### Closing by Sponsor:

REP. ELLIOTT: Some amendments would be in order. (See Exhibit #14)

#### DISPOSITION OF HOUSE BILL 379

Motion: Rep. Hanson: motioned a "do not pass".

Discussion: Rep. Kasten: The bill would be indeed very difficult to enforce. Rep. Raney: Would it be possible for the Dept. of Fish, Wildlife and Parks to implement rules after a public hearing? Rep. Ream: I feel that would be possible.

Mr. Marcoux: If the Dept. were given authorization they could develop and implement rules regarding this issue.

Amendments, Discussion, and Votes: none

Recommendation and Vote: THE COMMITTEE THEREFORE RECOMMENDS A "DO NOT PASS" FOR THIS BILL.

#### DISPOSITION OF HOUSE BILL 246

Motion: Rep. Elliott: requested of the Committee a "table"

Discussion: none

Amendments, Discussion, and Votes: none

Recommendation and Vote: THE COMMITTEE THEREFORE RECOMMENDS TO TABLE "THIS BILL.

Motion: Rep. Daily: motioned to "table"

Discussion: none

Amendments, Discussion, and Votes: none

Recommendation and Vote: THE COMMITTEE THEREFORE RECOMMENDS A "TABLE" FOR THIS BILL.

#### ADJOURNMENT

Adjournment At: 5:00 p.m.

REP. BOB REAM, Chairman

BR/mc

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#### DAILY ROLL CALL

FISH AND	GAME	COMMITTEE

51st Session - Legislative Council

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Marian Hanson	<b>✓</b>		
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John Phillips	~		
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#### January 31st 1989

Chief-of-Clerk:

This is to inform you that HB246 was "Tabled" in Committee on this date.

Committee Secretary

House Fish and Game

This is to inform you that HB288 was "Tabled" in Committee on this date.

Committee Secretary.

House Fish and Game

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#### STANDING COMMITTEE REPORT

February 1, 1989
Page 1 of 1

Mr. Speaker: We, the committee on <u>Fish and Game</u> report that <u>House Bill 379</u> (first reading copy -- white) <u>do not pass</u>.

Signed: Bob Ream, Chairman

#### STANDING COMMITTEE REPORT

February 1, 1989
Page 1 of 1

Mr. Speaker: We, the committee on <u>Fish and Game</u> report that <u>House Bill 307</u> (first reading copy -- white) <u>do pass as amended</u>.

Signed: Bob Ream, Chairman

#### And, that such amendments read:

1. Page 2, lines 9 through 12. Following: "ballots." on line 9 Strike: the remainder of line 9 through "held." on line 12

2. Page 3, line 21.
Following: "If"
Strike: "a"
Insert: "the"
Following: "member"
Strike: "or"
Insert: "and the"
Following: "alternate"
Strike: "resigns"
Insert: "resign"

A.

EXHIBIT_	#01
DATE	1/31
LAI	342
HB	296.

HB 342 January 31, 1989

Testimony presented by Ron Marcoux, Department of Fish, Wildlife and Parks.

The department supports HB 342 prohibiting the use of rimfire ammunition for hunting big game. It should be noted that most states have some form of firearms or caliber restrictions for big game hunting.

We also support the provisions to continue allowing the hunting of mountain lions and dispatching downed big game with rimfire ammunition.

We believe this legislation will assist in reducing unnecessary wounding of our big game species.

EXHIBIT
DATE 1/31
HB307

# Testimony of Stan Bradshaw January 31, 1989

Mr. Chairman and members of the committee, my name is Stan Bradshaw. I am testifying on behalf of the Float Fishing Outfitters Association of Montana (FFOAM) in support of H.B. 307.

Under the current law, the Board of Outfitters, which is responsible for regulating the outfitting industry, is elected by a series of elections held in each of five districts. On the day the election is held, the outfitters must appear at the designated place and cast their ballot. Each district is quite large, and in some instances, outfitters may face a round trip of 200 to 300 miles to cast their ballot. As a result, the turn out for the vote has been quite low - as low as 28% in the last election.

H.B. 307 simply changes the method of balloting to require that balloting be done by mail. It also requires that a majority of the outfitters within the district must vote in order for an election to be valid. The underlying intent of this bill is simply to improve the accessiblility of the electoral process to outfitters. On an issue as fundamental to the outfitting business as the election of the board which oversees the licensing of outfitters, it seems only fair to make the balloting process as accessible as possible.

Therefore, I respectfully urge you to vote for the passage of  ${\rm H.B.}\ 307.$ 

HB 307 JACK D HUTCHISON, EXECUTIVE DIRECTOR FOAM

EXHIBIT 3 MDATE 1/3/ HB 307

At the time the outfitter law was changed to create the Board of Outfitters and place the administrative responsibility with the Department of Commerce, the provision for the election of the board was incomplete. The new law did not specify how the election would be conducted or by whom. The system put in place by the Department resulted in a board composed of members elected by a minimum of the eligible voters.

The figures I have indicate that in at least one case less than 30% of those eligible to vote were represented. This means that 15% could control the election. The reason for this low number was not a lack of interest, it was the absence of the opportunity. The procedure adopted by the Department of Commerce dictated that an outfitter must either be present or have a representative outfitter at a meeting place and time set by the department. This procedure did not provide equal opportunity for all the outfitters to vote. For some it involves a 200 mile drive while for others only a walk across the street. The election in my district was held at a time when some of the fishing outfitters were on the river.

This bill allows for equal opportunity of all to vote. It is my understanding that it also will result in a cost savings to the Department of Commerce by eliminating the need for local meetings for voting purposes. Absentee voting is routine whenever directors, officers, or board members are selected via election.

For the above reasons we would recommend a favorable vote on this bill.

FISHING & FLOATING OUTFITTERS
ASSOCIATION OF MONTANA
P.O. BOX 276
EMERIDAN, MT 86740



			EXHIBIT_DATE	1/3/				
HB	307	Hoffman _	HB	307	DATE-	JAN. 30	), 198 <b>9</b>	
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MOGA opposes this effort to change the method of nominatiion or election of outfitters to the Board of Outfitters and Montana's Outfitters Council, and the elimination of the annual district meeting for election purposes.

We've heard discussion on the inconvenience district meetings are to outfitters and guides. Having never attended a district meeting, I can't tell you just how much of those meetings are fun and game, time wasters, but I do know from the MOGA meetings I have attended a great deal of business is accomplished. Those who attend, whether they are on the Board or not, have been exposed to every aspect of every subject that is broached. I have to assume, from discussing this with outfitters and guides, that a related format is used at the majority of district meetings. In other words, other business, pertinent to the wellbeing of the industry, such as policy making, workshops, general interests discussions are accomplished at a district meeting that are beneficial to those in attendance. And in all honesty, I have to say that conflict comes more often from lack of understanding on any given issue than from any other reason. Understanding of any given issue is difficult enough when you listen to and participate in a discussion. 2nd and 3rd hand word of mouth , even amongst such an astute body as the OUtfitters and Guides tends to be less accurate.

This bill, in our opinion, will provide one more excuse for not attending and participating in a district meeting, leading to more confusion, a lack of accurate information of various programs discussed, and consequently the ensuing frustrations that so often follow.

We have a concern that, despite efforts to the contrary, people may find means to load voting. With a proxy vote, your only problem is trusting the person you gave the vote to.

If a licensed outfitter is interested in only placing his candidate on the board—this bill is probably a good method as any to pass the buck.

Elections are very important to the MOGA, but the need for active attendance and participation at the district meetings should be recognized as a means to keep the members and aware of the issues. MOGA consistly encourages participation by its members at all levels, and this bill allows the members another excuse for not attending the vital and important decision making meetings.

If there are circumstances that will absolutely not allow attendance the present proxy vote system is provided.

MOGA opposes passage of HB307.

\_\_\_\_Oppose\_\_\_\_

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ing by flattening the trajectory. Antelope are not particularly big, heavy boned animals, so broadheads in the 125-grain and under class are a good choice.

Range estimating on the open prairie can be very difficult to the untrained eye. Compact rangefinders such as the Ranging 50/2 or the Bushnell Sportview can eliminate the guess work, though using them involves movement and the chance of spooking game. If you have good range estimation skills already and will take the time to practice them in the open, by all means stick with your own two eyes or at least be ready to rely on them when their isn't time to consult an optical rangefinder on your belt or in your pocket.

Some experts would argue this point, but with ample practice an archer with modern, flat shooting combos can become quite deadly on antelope in the open. The antelope hunter should frequently practice shooting at the longer ranges, between 40 and 60 yards, if he is to be successful. Long ranges such as these may seem the outer limits of a bow and

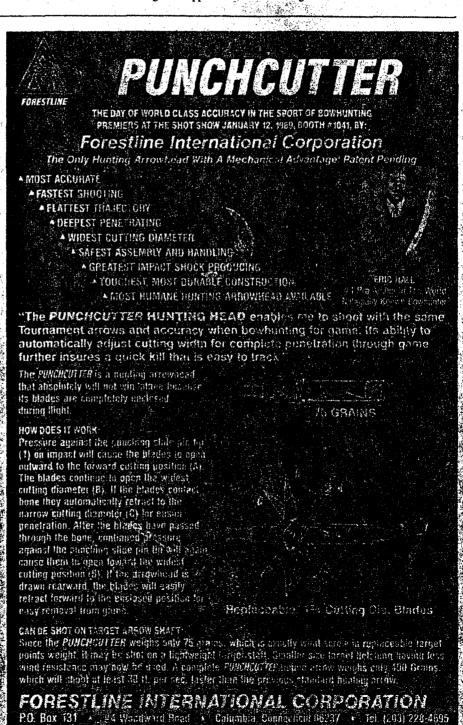
arrow, but with a bit of practice and accurate range judging skills you will find it much easier than you ever thought before.

Sure, hunting over water holes is still the most productive and easiest way to bow bag an antelope, and the new fad of using an antelope decoy sometimes fools an occasional goat. Often, however, the hunter can't get the upper

hand that way. Rain can kill the action at waterholes, or others may have them staked out when you arrive.

Or again, you may just want the most challenging antelope hunt possible. Try stalking for a change. I guarantee you will not be bored. Who knows, you might never sit at a water hole again!





#### Suggested Amendments to Bill #379

DATE (3)	EXHIBIT L	* **
	HB 370	

1. It is unlawful to attach any electronic sighting device to a boy or to have any electronic device attached to an arrow while hunting game animals.

- A 2.
  - 2. It is unlawful to hunt game animals with any arrow, including broadhead, weighing less than 400 grains.
  - 3. The following restrictions apply to the hunting of game animals with broadhead arrows:
    - a. Proadhead may not be less then 7/8 of an inch wide:
    - b.. Proadhead blades may not be barbed;
    - c. Broadheads must have a completely closed back with a smooth, unbroken surface starting at a maximum blade width, forming a smooth line toward the nock end of the shaft. The line may not angle toward the point.
    - d. Proadhead may not be of an expanding style.
  - 4. It is unlawfull to hunt game animals with a bow that has:

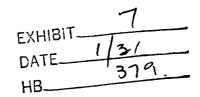
a. less then 40 rounds of pull measured at peak draw weight or at archers full draw;

b. greater then 70% reduction in late

atorifull draw

Peak draw weig

And restain Reliables to



I represent a group of Sporting Goods Retailers, which number 171 member stores. This buying group was founded in Montana and is based in Lewistown. Nineteen (19) of these stores are in Montana and are privately and locally owned and operated. All of these retailers are opposed to HB 379.

I manage the Archery Department at Capital Sports and Western here in Helena. This bill was introduced without the concern of everyone involved in the sport of Archery. It was aimed at the use of overdraws on bows. It will not only affect this group of shooters but many others including children, women and men that have shorter draw lengths.

Line 10 of this bill ... Archery Equipment Restrictions would eliminate lighted pins which are on the very end of the sight pin and have a bulb that lights up, enabling the shooter to see his sight better. Would this give him an added advantage? NO, it doesn't help him shoot better but it does make him see his sight pin better. The product LIGHT ALLS which fit on the top of your sight assembly and works much like a flashlight, to light up all of the pins that are below it. Again this does not help in his shooting, but does help him to see his sight pins on an overcast or cloudy day.

Lazer sights (which I do have a picture of to show you) will enable a person to have a red dot of light to light his target. It will not help him shoot better, you can only sight in for one yardage. The shooter has to compensate for what ever the distance is if the animal is not standing at the exact distance he set the Lazer sight in for. So its like shooting with one pin on his sight. Why not have lighted pins, light alls or lazer sights? These increase your accuracy by enabling you to see your sights better.

I have looked through many catalogs from Archery Manufacturers trying to find a broadhead that falls short of Line 17..restricting use of broadheads under 1" diameter. I have not found a broad head that is under 1" diameter. I have 8 pages of Broadheads from the catalogs of different archery manufacturers here to show you. We do not need a law that will not effect anything.

Line 25 says poundage has to be over 45lbs and an arrow length of 28". This will effect a bigger group than it was intended for. I believe this was written for those shooters that use overdraws on their bows, however it effects children, women, and those men with shorter draws. This would hurt sales and also beginners in the sport. If you have a child with a 24" draw he should not be required to shoot a 28" arrow. With a 28" arrow the child would have a slower arrow which is not what most archers are striving for. Actually, they are trying to have flatter, faster shooting bows. The reason for this is the flatter your arrow flies, the less your arrow drops so you take some of the guess work out of shooting. The more accurate you shoot then the less misses and

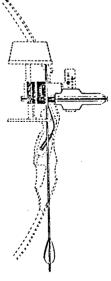
# Rest in Peace Rest

ER AIMALATOOOS all Séaso sa Ways a Fu

Finally, a sight that fits ever weapon in your arsenal compound bow, crosspoy, han guns, files

compound bow, crossbow, han guns, filles shotguns and muzzleloaders, ustantly chang from one weapon to the other fits all standa. Weaver dovetails, weighs 8 purces, uses two 9-yolt batteries. Range 500 yards.





LA 19000 Bow/Gun Mount fits all bows. Also mounts laser beside scope on rifle or handgun. Mount adjustable to compensate for arrow drop. Use windage and elevation for minute adjustment.

# **BROADHEADS**

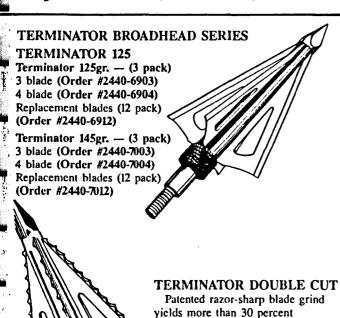


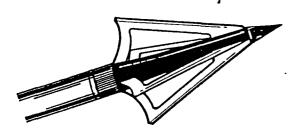
#### NEW BEAR SUPER RAZORHEAD® S/S

(Order #1260-5231) (3 pack) 145 gr.

Stainless Steel Main Blade-rust and corrosion resistant. High Strength Machined Alloy Ferrule. Factory Sharpened edge honed to a Razor finish.

Package of 12 insert blades. (Order #1260-5120)





additional cutting edge.

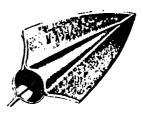
(Order #2440-7112)

Terminator Double Cut - (3 pack)

3 blade (Order #2440-7103) 125 gr. 4 blade (Order #2440-7104) 145 gr. Replacement blades (12 pack)

DARTON BROADHEADS (6 pack), 1½' cutting diameter 3 blade, carbon 125gr. (Order #1820-6803)

- 4 blade, carbon 137gr. (Order #1820-6804)
- 3 blade, Stainless Steel 125gr. (Order #1820-6903)
- 4 blade, Stainless Steel 137gr. (Order #1820-6904)
- Replacement blades carbon (15 vial) (Order #1820-6815)
- Replacement blades Stainless Steel (15 vial) (Order #1820-6915)



#### MA-3 BROADHEAD

The only 3-vane broadhead with the "True Curve" free cutting edge. Perfect ferrule diameter with 5 degree taper, insures fast, correct mounting. Selection of lightning 100 Grain in 5/16" size or power packed 125 grain in 11/32" size.

%" (Order #3640-7505)

11/32" (Order #3640-7511)



#### H.T.M. RUBBER BLUNT

Kills game without penetration. May be used on target arrows by fitting head over target point. Streamlined for true flight. Large impact area for greater shock.

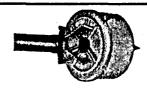
(Order #2680-7605) fits 5/16" shafts. 65 grains (Order #2680-7611) fits 11/32" shafts. 125 grains

#### BLUDGEON™ SMALL GAME HEAD

High shocking power. Tough, rubbery plastic. Almost indestructable. It withstands hits that will break your shaft. Does not snake under grass or stick in trees. Bludgeon tipped arrows will fly almost the same as with 125 grain field points. Two models screw in for insert shafts and slip on for wood shafts.

(Order #4740-5708) screw in model card of 3

(Order #4740-5718) slip over model, card of 6





#### PEOPLE PROTECTOR BROADHEAD TOOL (Order #4740-0608)

Replaceable blades loading tool handles 3 and 4 blade units. Magic grip fingers hold blades in position until loading operation is completed.

#### WASP CAM-LOK

6-per pack

WASP uses replaceable, surgical steel .015-thick blades with a positive locking action.

\*#3733 WASP 3-Blade

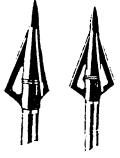
\*#3754 WASP 4-Blade

\*#3918 Replacement blades

18 in vlal

3-blade 130 gr. 11/18" cutting width

4-blade 130 gr. 11/16" cutting width



#### WASP CAM-LOK 6-per pack

Same features as #3733 and #3754 except with stainless steel blades and a larger cutting width.

\*#3743 WASP Stainless Steel 3-blade

\*#3744 WASP Stainless Steet 4-blade

\*#3745 Replacement blades 18 in vial

3-blade 130 gr. 15/16" cutting width 4-blade 140 gr. 15/16" cutting width



#### **ROCKY MOUNTAIN** SUPREME

6-per pack

Large 3-blade Broadhead with .020" stainless steet vented blades and steel tip on aluminum femule.

\*#1078 Rocky Mountain Supreme

\*#1079 Replacement blades. 9 in vial

3-blade 130 gr. 11/2" cutting width



#### ZWICKEY BLACK DIAMOND

The Zwickey line has proven time and time to be an outstanding game getting head. 5 degree taper ferrule, very strong 3-piece construction.

#3661 Zwickey Black Diamond 4-blade 11/32\*

**#3664** Zwickey Black Diamond 4-blade 5/16"

11/32" 125 gr. 11/4" cutting width 5/16" 11/16" culting width



12-per pack

12-per pack

#### **ROCKY MOUNTAIN** RAZOR

6-per pack

Rocky Mountain razors uses replaceable vented blades of .020" stainless steet and a steel pointed aluminum body.

\*#1075 Rocky Mountain Razor 3-blade

\*#1076 Rocky Mountain Razor 4-blade

\*#1077 Replacement blades. 12-per pack.

3-blade 130 gr. 11/s" cutting width

4-blade 140 gr. 11/4" cutting width



#### ZWICKEY BLACK DIAMOND DELTA

5 degree taper ferrule

#3666 Zwickey Black Diamond Delta 4-blade

11/32" 125 gr. 13/s" cutting width



#### **ROCKY MOUNTAIN** SUPREME 4-BLADE

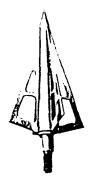
6-per pack

Large 4-blade head with .020" thick stainless steel replaceable vented blades and steel tip and aluminum ferrule.

\*#1071 Rocky Mountain Supreme 4-Blade

\*#1079 Replacement blades. 9 in vial.

4-blade 160 gr. 11/2" cutting width



#### ZWICKEY BLACK DIAMOND **DELTA 2-BLADE**

5 degree taper femule

#3667 Zwickey Black Dlamond Delta 2-Blade

11/32" 125 gr. 13/6" cutting width



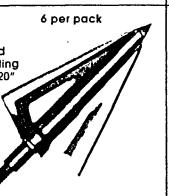
12-per pack

#### #1088 ROCKY MOUNTAIN 4-BLADE OVERDRAW

4-Blade design allows broadhead clearance without the loss of cutting edges 11/4" cutting dia. 125 gr. .020" blade thickness.

#### #1077 Replacement **Blades**

12 per pack.



#### **#1089 ROCKY MOUNTAIN** 3-BLADE ULTRA

Double vented blades for stable flight .020" blade thickness. 125 gr. 1½" dia.

#1090 Replacement Blades 9 in vial.



# BROADHEADS BROADHEADS

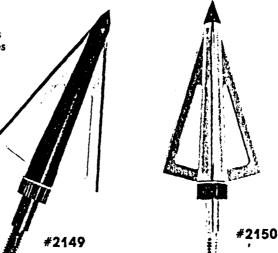
# WORLD'S LARGEST SELECTION AND STOCK OF BROADHEADS

#### HORNET BROADHEADS

The most lethal broadhead you can buy. Features feel pyramid point for bone-splitting action. Blades pature cut-outs and a close-to-ferrule design for excellent flight. .024 blade thickness. 14,6" cutting diameter. DON'T TRUST OUR SUCCESS TO ANYTHING LESS. 2151 main replacement blades. 2 per vial.

2149 2-BLADE HORNET — 120 gr. #2150 3-BLADE HORNET — 130 gr. #2152 4-BLADE HORNET — 140 gr. 2151 MAIN REPLACEMENT BLADES per vial

#2153 SMALL AUXILIARY BLADES (for 4-blade) — 12 per vial





#### 2187 6-BLADE BROADHEAD

- All welded construction
- 1 %" cutting diameter
  Full 2" blade length
  .040 " main blade thickness
- .020 " auxiliary blades
- 5 degree taper ferrule
   11/32" ferrule diameter
   150 grain weight
  - 1 3/4" cutting diameter



#### THUNDERHEAD® 150

This broadhead has two blades of .027" thick stainless steel for the hunter who believes a 2-blade broadhead slices better around the bone.

- **#2825** Thunderhead 150
- **#2826** Replacement Blades 12 per Vial
- 2-blade 150 gr. 1%" cutting width.
- Trademark of New Archery Products Corp.

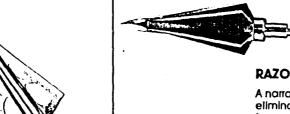


#### THUNDERHEAD® 125

Strinless steel blades of .027"

the string and increase penetration.

- **2822** Thunderhead 125
- 72823 Replacement Blades
  18 per Vial
- 3 lade 125 gr. 13/16" cutting width.
- demork of New Archery Products Corp.



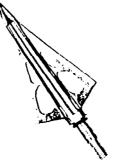
#### N .RTIN BOWLO BROADHEAD

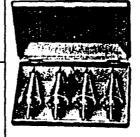
The Bowlo is one of the finest broadheads made. Unequaled in flight penetration and gamediling ability. Fits \$/16" or 11/32" available with broadhead adapter installed.

# 144 Bowlo Broadhead 2-blade

##45 Bowlo Broadhead w/broadhead adapter

2 lade 115 gr. 11/2" cutting width. 2 ade winsert 160 gr.







#### RAZORBAK BROADHEAD

A narrow, multiblade design that nearly eliminates wind planing. Replaceable four- or five-blade cartridges attach quickly. Each broadhead or cartridge comes with shield, to protect hollowground steel blades, and your fingers.

RAZORBAK FOUR and RAZORBAK FIVE are interchangeable because they are identical in weight and flight. Hardened, high carbon steel point. Hollow-ground stainless steel blades, honed razor sharp. 142 grains. Length: 2.43". Width: 916" (FIVE); 1.05" (FOUR). Blade thickness .015" (FIVE); .016 (FOUR).

- \*#3567 RAZORBAK FIVE
- \*#3565 RAZORBAK FOUR
- \*#3568 FIVE BLADE Cartridge
- \*#3564 FOUR BLADE Cartridge
- \*#3569 PRACTICE 5-Blade Cartridge
- \*#3566 PRACTICE 4-blade Cartridge



#### ZWICKEY BLACK DIAMOND 2-BLADE

5 degree taper ferrule

#3668 Zwickey Black Diamond 2-blade

11/32" 125 or. 11/s" cutting width 5/16" 110 gr. 11/10" cutting width



**#2241 BODKIN** 3-BLADE

Hollow ground, 21/44", 125 grains, copper bronzed, 5 degree taper. 11/16" cutting dia.

**#2164 BLAZER "MAX"** 

4-BLADE BROADHEAD

Designed for gulet flight, Features

point, 175 grains. .032" blades.

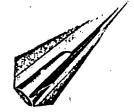
15/16" cutting diameter.

stainless steel replaceable blades,

twin locking collars and chip chisel

#### 12 per pack

3 per pack



#### SATELLITE BROADHEAD

Screw-in broadhead, 3 or 4-blade design, Hard steel point. 11/16" cutting dia.

\*#2727-C 3-blade, carbon, .010, 120

grains

\*#2736-C 4-blade, carbon, .010, 125

grains 24 extra blades, carbon, \*2749

.010

3-blade, stainless, .015, 135 \*2716

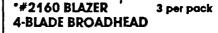
grains.

\*2717 4-blade, stainless, .015, 145

grains

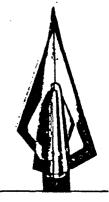
\*#2715 24 extra blades, stainless,

.015



Designed for strength and quiet flight, replaceable blades. 140 grains. .025, stainless, 11/s" cutting dia.

\*#2161 REPLACEMENT BLADES enough for 3 broadheads.



#2721 SATELLITE MAG 125 6 per pack

.027" stainless steel hardened chisel point 125 gr. 3 blade, 11/4 cutting dla.

#2722 SATELLITE II XL 3 per pack

.036" stainless steel blades over 8" of cutting surface 145 gr. 4 blade 11/4" cutting dia.

6 per pack

#### **#3556 MARTIN BLUE STREAK 5 Blade** (With stainless steel blades)

A screw-in style broadhead with five replaceable, razor sharp cutting blades, held securely to a durable, hardened steet point, Weight, 130 grains. Without doubt, one of the finest broadheads we have ever sold. Please handle carefully. See our #1402 Broadhead Wrench, page 8.

\*#2770 EXTRA BLADES

Stainless steet, .010". 24 per vial.

#2960 MAGNUM I 12 per pack 4-BLADE

Stainless steel vented blades. Heat treated, Integral brazed unit construction, 140 grains.

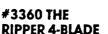
4-BLADE 140 gr. 17/16" cutting width.



#### **#2966 MAGNUM II** 4-BLADE

Stainless steel vented blades. Heat treated. Integral brazed unit construction. 125 grains.

4-BLADE 125 gr. 11/4" cutting width.



**#3350 THE SLICER** 

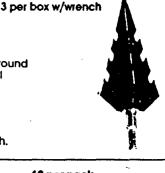
A 4-blade head with a low blade profile which provides excellent arrow flight.

4-BLADE

125 grains.

Sawtooth broadhead with each of four blades formground after heating to give a total of thirteen needlesharp penetration points.

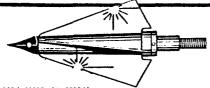
120 grain weight. 21/s" diameter x 23/s" length.



3 per box w/wrench



## **BROADHEADS**



GOLDEN SPINNERS — 3 per pack

Features angled blades to match your fletching, Stainless Steel .020" blades, 14" cutting diameter.

Right Angle 3 blade 130gr. (Order #2520-7243)

Left Angle 3 blade 130gr. (Order #2520-7253)

Replacement blades, pack of 9 (Order #2520-7249)



#### MUZZY BROADHEADS

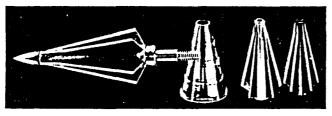
First completely interchangeable broadhead system. Never again change heads, only inserts.

Matador I 4 blade 130gr. 5 pk. (Order #3790-0245)

Matador II 4 blade 150 gr. 5 pk. (Order #3790-0255)

4-blade Replacements 5 pk. (Order #3790-0312)

Practice blades 5 pk. (Order #3790-0315)



Nothing flies straighter. The Razorbak system lets you change any part without changing the weight or flight. 142 grains, stainless steel blades, high carbon steel point, individual safety shields. 5-bladed has one more blade, 4-bladed is wider.

Razorback 4 B.H. (Order #3880-6404) 4 pk.

Rep. Cart. for 4 (Order #3880-6405) 4 pk.

Pract. Cart. for 4 (Order #3880-6406) 6 pk.

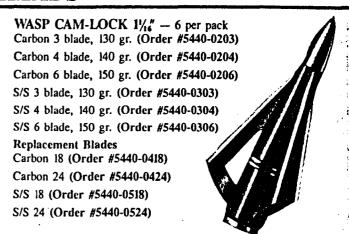
Razorback 5 B.H. (Order #3880-6505) 4 pk.

Rep. Cart. for 5 (Order #3880-6506) 4 pk.

Pract. Cart. for 5 (Order #3880-6507) 6 pk.

Rep. point (Order #3880-6510)

Rep. ferrule (Order #3880-6511)

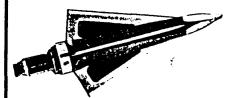


WASP CAM-LOCK SERIES II 15/16" - 6 per pack Carbon 3 blade, 130 gr. (Order #5440-0403) Carbon 4 blade, 140 gr. (Order #5440-0404) Carbon 6 blade, 150 gr. (Order #5440-0406) S/S 3 blade, 130 gr. (Order #5440-0503) S/S 4 blade, 140 gr. (Order #5440-0504) S/S 6 blade, 150 gr. (Order #5440-0506) Replacement Blades Carbon 18 (Order #5440-0618) Carbon 24 (Order #5440-0624) S/S 18 (Order #5440-0718) S/S 24 (Order #5440-0724)

WASP SERIES III 11/4" — 6 per pack S/S 3 blade, 160 gr. (Order #5440-0703) S/S 4 blade, 175 gr. (Order #5440-0704) Replacement Blades S/S 18 (Order #5440-0918) S/S 24 (Order #5440-0924) WASP SERIES III 11/2" — 6 per pack S/S 3 blade, 165 gr. (Order #5440-0903) S/S 4 blade, 180 gr. (Order #5440-0904) Replacement Blades

S/S 18 (Order #5440-1118) S/S 24 (Order #5440-1124)





125 - 6 pack (Order #3880-0125) 125 Grains 3 Blades

1-3/16" Diameter

Super tough materials scaled down to the weight of a field point.

Rep. blades (Order #3880-0126) 18 pk.



150 — 6 pack (Order #3880-0150) 150 Grains

2 Blades 1-3/8" Diameter

The choice of hunters who believe a 2-bladed head slides better around bone. Rep. Blades (Order #3880-0151) 12 pk.



160 — 6 pack (Order #3880-0160) 160 Grains 3 Blades 1-3/8" Diameter

Meant for bows 55 lbs. and up. (Formerly the 180 grain head.) Rep. Blades (Order #3880-0161) 18 pk. 12 per pack



\*#3090 INSERTS

Fit Bowlos or Bear. 6 grains.

6 ber back

#### BEAR RAZOR 2-BLADE HEAD

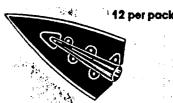
Change-A-Point adapter installed. 11/8" cutting dia.

\*#3060 Heads with No. 3090 inserts. 140 grains.

\*#3080 Heads without #3090 inserts. 134 grains.



11/32" Femule. Weight: 140 grains. Size 13/16" x 21/6".



**MUZZY BROADHEADS** 

Matador I — 130 grain Matador II — 150 grain

#1081 Matador I (5 pk.)
#1082 Matador II (5 pk.)
#1083 Replacement Blades

#1084 Practice Blades
#1085 Matador I Rep. Tips
#1086 Matador II Rep. Tips



12 per pack



#2848 MA-2 BLADE BROADHEAD

Two sizes: 5/16" (100 grains) 11/32" (120 grains)

\*#2950 MA-3

**5/16"**(100 grains) **11/32"**(125 grains)



12 per pack

6 per pack

6 per card

#### THE SNUFFER

Spring steel, copper welded .040" thick blades precise 5 degree steel femule very tough broadhead.

\*#1073 The Snuffer

3-blade 160 gr. 11/2" cutting width



#### #2776 HAWKEYE SMALL GAME HEAD

4-blade (2 serrated) durable nylon small game head. Great for small game and fish. 85 grains.



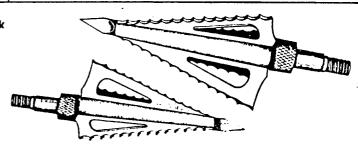
TERMINATOR DOUBLE CUT

Serrated edge broadhead. Thirty percent more cutting surface than traditional heads. Available in three- and four-blade models with 25/1000-inch thick stainless steel blades. Extra strength ferrule and blades with 11/4" cutting diameter.

#1062 3 BLADE 125 gr.

#1063 4 BLADE 145 gr.

#1064 REPLACEMENT BLADES 12 per vial



## **MARTIN CHANGE-A-POINT**



#### **#36 BLUNT POINT**

125 grains For aluminum or glass shafts. Sizes: 5/16", 9/32", 21/64", 11/32".



#### \*#34 FIELD POINT

Available in 125, 150 grains. For aluminum or glass. Sizes: 9/32", 5/16", 21/64", 11/32".



# \*#38 BROADHEAD ADAPTER

Fils all sizes. 35 grains.

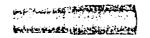


'#32 INSERT 1716 1816 1818 1913 1916 1918 2013 2016 2018 2020 2114 2115 2213 2215 2216 2219 2117 2315 2317 2413 2419

2012

x-callber

2212 2312



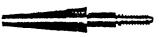
#### #33 CHANGE-A-POINT

For 11/32" wooden arrow. 50 grains.



#### \*#40 BULLET POINT

125 grains. Sizes: 9/32", 5/16", 21/64", 11/32".



\*#39 BROADHEAD ADAPTER

Full 1" laper, 45 grains



\*#31 TARGET POINT

Sizes <sup>9</sup>/12" (65 grains); 5/16", <sup>11</sup>/12", <sup>21</sup>/64" (75 grains).

# **BROADHEADS**

SATELLITE BROADHEAD SELECTION CHART								
	Blades	Weight	Diameter	Blades	Point	# Pack	Ord	ler# . <sub></sub> ,
Satellite Aero	3 4 3 4	120 gr. 125 gr. 130 gr. 140gr.	1 Vie"	.010" Carbon or Stainless (Replaceable) .015" S/S	Aero- dynamic	6	Carbon 3 blade #10 Carbon 4 blade #10 S/S 3 blade #10 S/S 4 blade #10 S/S 3 blade #15 S/S 4 blade #15	(Order #4720-5203) (Order #4720-5204) (Order #4720-5303) (Order #4720-5304) (Order #4720-5403) (Order #4720-5404)
Satellite Hunter	3 4	130 gr. 140 gr.	11/4"	.020" Carbon or Stainless (Replaceable)	Aero- dynamic	3	Carbon 3 blade Carbon 4 blade S/S 3 blade S/S 4 blade	(Order #4720-5603) (Order #4720-5604) (Order #4720-5633) (Order #4720-5634)
Satellite Mag 125	3	125 gr.	13/16"	.025" Stainless (Replaceable)	Hardened Chisel Point	. 3	S/S 3 blade	(Order #4720-5433)
Satellite Titan	4	125 gr.	11/4"	.036" Stainless (Resharpenable)	High Penetration Cutting	3	S/S 4 blade	(Order #4720-5464)
Stellite Supra	3 4	135 gr. 145 gr.	13%"	.020" Carbon or Stainless (Replaceable)	Hardened Chisel Point	3	Carbon 3 blade Carbon 4 blade S/S 3 blade S/S 4 blade	(Order #4720-5503) (Order #4720-5504) (Order #4720-5703) (Order #4720-5704)
Satellite II-XL	, 4	135 gr. 145 gr.	11/4"	.036" Carbon or (Resharpenable)	High Penetration Cutting	3	Carbon 4 blade	(Order #4720-5722)
Satellite II	4	165 gr. 175 gr.	11/4"	.036" Carbon or (Resharpenable)	High Penetration Cutting	3	Carbon 4 blade	(Order #4720-5702)

#### REPLACEMENT BLADES

Aero Carbon #10 (18) (Order #4720-5218) Aero Carbon #10 (24) (Order #4720-5224)

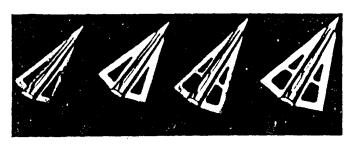
(Order #4720-5318) Aero S/S #10 (18) (Order #4720-5324)

Aero S/S #10 (24) Aero S/S #15 (18) Order #4720-5418) Aero S/S #15 (24) (Order #4720-5424) Hunter S/S (12) (Order #4720-5636) Hunter carbon (12) (Order #4720-5612) Mag 125 S/S (12) (Order #4720-5435)

Titan (12) (Order #4720-5466) Supra S/S (12) (Order #4720-5705) Supra carbon (12) (Order #4720-5512)

Sat. II-XL carbon (12) (Order #4720-5712) Sat. II carbon (12) (Order #4720-5701)

#### ROCKY MOUNTAIN RAZOR BROADHEADS

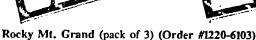


Left to Right

- 3 Blade Barrie Rocky Mt. Razor 11/4" dia. 130gr. (Order #1220-5803)
- 4 Blade Barrie Rocky Mt. Razor 14" dia. 140gr. (Order #1220-5804)
- 3 Blade Barrie Rocky Mt. Supreme 11/2 " dia. 150gr. (Order #1220-5903)
- 4 Blade Barrie Rocky Mt. Supreme 11/2" dia. 160gr. (Order #1220-5904)
  - \*6 to a pack

Rocky Mt. replacement blades (Order #1220-5812)

Rocky Mt. Supreme replacement blades (Order #1220-5909)



160gr., 1¼"

Rocky Mt. Grand rep. blades (pack of 9) (Order #1220-6109) Rocky Mt. Royal B.H. (pack of 3) (Order #1220-6203) 160gr., 11/2 "

Rocky Mt. Royal Rep. Blades (pack of 9) (Order #1220-6209)



Rocky Mt. Ultra (pack of 3), 3 blade, 125gr., 11/2" cutting diameter, 020 Stainless Steel (Order #1220-5923)

Rocky Mt. Ultra Lite (pack of 3), 3 blade, 110gr., 11/2" cutting diameter, 020 Stainless Steel (Order #1220-5933)

Rocky Mt. 4 × 4 (pack of 3), 4 blade, 125gr., 14" cutting diameter, 020 Stainless Steel, Designed especially for Overdraws (Order #1220-5944)

Ultra Replacement blades (pack of 9) (Order #1220-6209)

4 × 4 replacement bludes (pack of 12) (Order #1220-5812)

## **BROADHEADS**

SATELLITE BROADHEAD SELECTION CHART								
Blades Weight Diameter Blades Point # Pack Order #								ler # 👵
Satellite Aero	3 4 3 4	120 gr. 125 gr. 130 gr. 140gr.	14.6" 14.6"	.010" Carbon or Stainless (Replaceable) .015" S/S	Aero- dynamic	6	Carbon 3 blade #10 Carbon 4 blade #10 S/S 3 blade #10 S/S 4 blade #10 S/S 3 blade #15 S/S 4 blade #15	(Order #4720-5203) (Order #4720-5204) (Order #4720-5303) (Order #4720-5304) (Order #4720-5403) (Order #4720-5404)
Satellite Hunter	3 4	130 gr. 140 gr.	11/4"	.020" Carbon or Stainless (Replaceable)	Aero- dynamic	3	Carbon 3 blade Carbon 4 blade S/S 3 blade S/S 4 blade	(Order #4720-5603) (Order #4720-5604) (Order #4720-5633) (Order #4720-5634)
Satellite Mag 125	3	125 gr.	13/16"	.025" Stainless (Replaceable)	Hardened Chisel Point	3	S/S 3 blade	(Order #4720-5433)
Satellite Titan	4	125 gr.	11/4"	.036" Stainless (Resharpenable)	High Penetration Cutting	3	S/S 4 blade	(Order #4720-5464)
Stellite Supra	3 4	135 gr. 145 gr.	136"	.020" Carbon or Stainless (Replaceable)	Hardened Chisel Point	3	Carbon 3 blade Carbon 4 blade S/S 3 blade S/S 4 blade	(Order #4720-5503) (Order #4720-5504) (Order #4720-5703) (Order #4720-5704)
Satellite 11-XL	, 4	135 gr. 145 gr.	11/4"	.036" Carbon or (Resharpenable)	High Penetration Cutting	3	Carbon 4 blade	(Order #4720-5722)
Satellite II	4	165 gr. 175 gr.	11/4"	.036" Carbon or (Resharpenable)	High Penetration Cutting	3	Carbon 4 blade	(Order #4720-5702)

#### PEPIACEMENT BLADES

REPLACEMENT BLADES		
Aero Carbon #10 (18) (Order #4720-5218) Aero Carbon #10 (24) (Order #4720-5224) Aero S/S #10 (18) (Order #4720-5318) Aero S/S #10 (24) (Order #4720-5324) Aero S/S #15 (18) (Order #4720-5418) Aero S/S #15 (24) (Order #4720-5424)	Hunter carbon (12) (Order #4720-5612) Mag !25 S/S (12) (Order #4720-5435) Titan (12) (Order #4720-5466)	Supra S/S (12) (Order #4720-5705) Supra carbon (12) (Order #4720-5512) Sat. II-XL carbon (12) (Order #4720-5712) Sat. II carbon (12) (Order #4720-5701)

#### ROCKY MOUNTAIN RAZOR BROADHEADS



Left to Right

- 3 Blade Barrie Rocky Mt. Razor 1¼ " dia. 130gr. (Order #1220-5803)
- 4 Blade Barrie Rocky Mt. Razor 1¼ " dia. 140gr. (Order #1220-5804)
- 3 Blade Barrie Rocky Mt. Supreme 1½ " dia. 150gr. (Order #1220-5903)
- 4 Blade Barrie Rocky Mt. Supreme 1½ " dia. 160gr. (Order #1220-5904)

\*6 to a pack

Rocky Mt. replacement blades (Order #1220-5812)

Rocky Mt. Supreme replacement blades (Order #1220-5909)



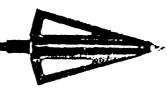


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Rocky Mt. Grand (pack of 3) (Order #1220-6103) 160gr., 114 "

Rocky Mt. Grand rep. blades (pack of 9) (Order #1220-6109) Rocky Mt. Royal B.H. (pack of 3) (Order #1220-6203) 160gr., 11/2"

Rocky Mt. Royal Rep. Blades (pack of 9) (Order #1220-6209)





Rocky Mt. Ultra (pack of 3), 3 blade, 125gr., 1½ " cutting diameter, 020 Stainless Steel (Order #1220-5923)

Rocky Mt. Ultra Lite (pack of 3), 3 blade, 110gr., 1½ " cutting diameter, 020 Stainless Steel (Order #1220-5933)

Rocky Mt. 4 × 4 (pack of 3), 4 blade, 125gr., 1¼ " cutting diameter, 020 Stainless Steel, Designed especially for Overdraws (Order #1220-5944)

Ultra Replacement blades (pack of 9) (Order #1220-6209) 4 × 4 replacement blades (pack of 12) (Order #1220-5812)

EXHIBIT	#9
DATE	1(31
HR	379

#### WITNESS STATEMENT

IAME JOHN C UNDERWOOD			BILL NO. <u>#3379</u>	
Address 79	03 ALAMOS,	+ LN.	BOZEMA	J. MT 59715
	REPRESENT?			,
SUPPORT		OPPOSE	$\times$	AMEND QUESTION NEED
COMMENTS:	SEE MY AT	TACHED LE	TTER OF	1/30/89,
	TESTIME	NY FOR	HEARING	5 1/30/89, SCHEDULED 2/1/89
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PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

Form CS-34 Rev. 1985 Copy: Ms. MAUREEN CLEARY SECY: MT. HOUSE FISH + GAME COMMITTEE

MS. CLEARY!

TESTIMONY FOR

NO. 2/1/89.

- JCL

John C. Underwood 7903 Alamosa Lane Bozeman, MT 59715 (406) 587-0353

January 30, 1989

Representative Bob Ream Montana House of Representatives Capitol Station Helena, MT 59620

> Re: HB 379 Comments & Questions

Dear Representative Ream;

One must certainly question the advisability or necessity to pass HB 379. I am confident that you will make those favoring the bill prove to you that it is both necessary and desirable.

It appears that Section one,(1), is really directed to eliminating the usage of electrically powered sights. If so, the bill should say sights. If this is true, are the bill sponsors sure there now exists a real problem or problems with these devices? I am not so sure that improved sights would not contribute to a reduction in wounding loss through improved accuracy. I would refuse to pass a law prohibiting use if this could later turn out to be true.

Section 1,(2),places a restriction on minimum arrow weight. What is the proof this is necessary or desirable? It appears to be directed at new technology such as graphite based arrow shafts and shorter arrows used by "overdraw" bows. As an "old" archer, I was involved in a fight against aluminum and fiberglass arrow shafts in another state. Today, these newer shaft materials are far more widely used and superior to the cedar arrow shafts I formerly favored. Too, there are two schools of thought. One favors the higher velocity light arrow and the other favors the lower velocity heavy arrow. Both, as you know, have their merits. Don't make a law and "cast in stone" something you may be asked to change later. It may well be that the lighter arrows may cut wounding loss through flatter trajectory and, thus, improved potential accuracy. Does a problem (or problems) exist today that requires a law? If you pass one, you will make it necessary for game wardens to carry grain weight scales to enforce the law.

In Section 1,(3),(a),it states that broadhead blades may not be less than one inch wide. I believe this should be stated in term of broadhead maximum cutting width. Also, one of the more popular and effective broadheads today, the Razorbak 5, has a maximum cutting width of about 7/8 inch. Is a law regarding this really necessary?

Section 1,(4),(a),deals with establishing bow minimum pull weight. If this is <u>really</u> necessary, it should be stated <u>both</u> in terms of bow peak pull weight (in case of a "compound" bow) <u>or</u> pull weight at the archer's draw length (long or recurve bow). Although I do favor a minimum pull weight, I am not sure what it should be.

I do know that 35lb. pull weight was sufficient for me to kill whitetail deer (with no wounding loss) before I "graduated" to a much heavier bow. If a law is necessary, I would lean to a 35 lb. minimum to keep from eliminating some weaker archers from the sport. Lets face it, most adult men will continue to use 60 lb. or heavier bows regardless of a lower limit. If you do make a law, game wardens may be forced to carry bow weight scales with them for enforcement purposes.

In Section 1, (4), (b), "compound" bows having a reduction in holding weight, at full draw, greater than 65% would be prohibited. I am not convinced that a regulation on this is necessary or desirable. I do know that the holding weight reduction percentage on all compound bows has a tolerance. Some "65%" bows may actually be 75% or 55%, for example. Be certain that greater than 65% weight reduction will not assist a reduction in wounding loss "somewhere down the road" before making a law that you will be asked to later change. In order to enforce such a law, wardens may have to carry bow weight scales and a calculator to figure reduction percentage.

In conclusion, please strongly question the <u>real need</u> for passing into law any part of HB 379. As a bow hunter for 34 years, I have a lot of "trouble" with HB 379.

Respectfully,

John C. Underwood

HB-379- Restrictions on archery Equipment You - hunting game animals

- name	address	Support	appose
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Hurl Zay	3750 Heather Or Helene		X
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Scott Orsa	1019 MIDDLEMAS Helen		
Tammie 11 Janes	531 Broadway Helena		X
Brent Jones	531 Broadway Heleva		X
Mike Songa	1805 Joelyn # 153 Helina	4.D	X
Schull acces	2660 Stood Helpin E)	HIBIT 131	X
ENGRUM	260 Strail / hage H	ATE 379.	
- KICKI BENNETT	BOX 236 E HELEN.+		X
Jan Hamer	390 2 Uyler		X
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	EXHIBIT 1131
(200748 LANS	DATE 379
WITNESS STATEMENT	0 4
NAME Janes BUDGET	HB
ADDRESS 3902 Wyle Dr. Velena.	mont.
WHOM DO YOU REPRESENT? Sportsman	
SUPPORTOPPOSE	AMEND
COMMENTS: 9 Gind this type of	restrictions /st
of all hard to Enforce and 9.	also think it
discrimates against Wimen &	youth as Me
Will eliminate the majority of	them-
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PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

-AAA Archery

DATE 131 HB 379

Cal Bennett
NFAA Professional
Certified Instructor

To: Chairman, Fish & Game Committee Helena, Montana

January 28, 1989

Mr. Chairman;

2712 Broadwater

(406) 449-8404

Helena, MT. 59601

I am writing in response to Pouse Bill 379. I will attempt to respond on a point-by point basis to explain why I feel this bill should not be passed. It was obviously formulated by someone with very little real knowlege of actual functioning of modern archery equipment. Those of us who have been bowhunting for over thirty years are aware of many such archaic laws as the "minimum bow weight." Most of these regulations are unenforceable and superfluous. Which is why they were removed in the first place.

Section 1. (1) Sight attachments such as lighted sight bins make such a slight difference to most hunter as to be completely ineffective. However, in some cases such as close-in vision problems, they can be absolutely essential. I know of at least one hunter who can clearly see the animal but is unable to see his sight pin. Under this law, he would have to quit bowhunting. I'm sure there are many more like him. One manufacturer in Bozeman sells a mounting device to attach a video camcorder to the bow. This law would make that illegal. While there may be some equipment now or in the future which I could agree to ban, I see no reason for such a broad definition which will affect so many of the items now available such as lighted pins which have been used for over ten years with no impact on the sport.

- (2) This proposal is ludicrous. Arrow weight by itself has absolutely no bearing on the penetration or killing power. With enough speed, any arrow will perform, and with the proper speed all arrows are exactly equal. Penetrating ability, basically, is determined by mass weight times the square of the velocity. To determine if any hunter's arrows were sufficient would involve such equipment as to once again make the law unenforceable. It would be like telling a hunter with a 300 magnum he can no longer use 150-grain bullets because they no longer kill animals.
- (3) (a) Once again, this section is unnecessary. If there is a broadhead on the market with a cutting edge of less width I am unaware of it. However, even if it exists, if it is razor-sharp it should still be effective and I can see no serious objection to it. A poor blood trail comes from a bad shot rather than a small blade. A well-placed hit can kill without blades. It is the poor shot and/or the poor tracker who cause the problems. What we really need is legislation requiring all bowhunters to pass a shooting proficiency test.
- (3) This is the one aspect to which I can agree. However, I dislike the definition in part (c) which I feel may be too complex. I should like to see this section amended to: Broadheads must have a completely closed back which must angle from maximum blade width toward the nock end of the shaft.
- (4) (a) This law was taken off the books years ago. The reasons are simple. The law difficult to enforce, it can be unfair and discriminitory, and modern equipment is becoming efficient enough for a lighter bow to perform well enough in many cases. For instance, a compound bow with a long draw and short string height can deliver more energy at 35 pounds than one with short draw and long string height at 45pounds. Light bows may be sufficient under

2712 Broadwater Helena, MT. 59601 (406) 449-8404



Cal Bennett NFAA Professional Certified Instructor

the right circumstances. It simply requires an understanding of the limitations of your equipment. This is one of the purposes of the Bowhunter Education program conducted by the Fish an Game dept. and the MBA. Under this type of law we could scrap the program and tell the youngsters to wait until they grow up.

(4) (b) Since the recent ruling by the National Pope and Young Club to limit records to animals taken with bows having 65% or less let-off, manufacturers of compounds throughout the industry have generally agreed to make bows within this area, making this section unnecessary as well as unenforceable.

It is very important to note that most of this type of legislation is being drawn up by a small but vocal group of shooters using primitive and relatively inefficient equipment. They seem to perceive modern equipment as a threat simply because they don't understand it. Their main goal is to re-shape the sport to fit their own parameters. One MBA representative who shoots a light bow and small arrow (who, incidentally, is a successful elk hunter) was totally opposed to this bill in it's original form. This opposition was ostensibly not a personal matter but was because of all the small people, including women and children, who would be affected. Yet as soon as this individual was assured of a compromise of 401bs. and 400 grains, all objections were removed. This hunter's equipment now just fit the requirements. What happened to the noble cause of the women and children? I am ready to pick up the banner where this MBA rep dropped it. While this bill may be detrimental to a great many bowhunters, I can see no benefit whatever to the sport, to the department, or to the State as justification.

In closing, I would like to say I cannot believe that by going backward to such archaic and unenforceable laws we can accomplish any positive results for bowhunting. Even worse, a great many bowhunters would simply ignore it rather than change their equipment. This, on the other hand, could have a generally negative effect and cause even further dissention within our ranks. I feel this bill should not be passed in any form.

Respectfully Submitted,

AAA Archery

# The STEALTH

SEE THE STEALTH AT VEGAS

The ALL NEW Stealth Carbon Hunting Arrow from AFC.

The same carbon composite found in the United States new STEALTH BOMBER

Extrodinary flight characteristics

More durable... Virtually indestructible... never needs straightening

Over 200,000 PSI

Flatter trajectory

More penetration - over 40% more

Lighter - thinner... Lazer selected for straightness - .001

faster flight

Carbon is more durable than aluminum and has superior characteristics. The advantages and benefits of carbon arrows has now been published in a dozen pamphlets covering topics—such as Proper Shaft Selection, Carbon Composites Unique properties, Penetration, Speed, Durability, and more. Plus a VCR tape is available for technical information and help in presenting the new Carbon Arrow.

The STEALTH comes available in 8 sizes

1800 - 1880 - 1960 - 2100 - 2200 - 2300 - 2400 - 2540

At this writing we have several thousand shafts from 2100 up thru 2540 on UPS to us.

We will have (in stock) the 1800, 1880, and 1960 within the next 30 days.

The Carbon Arrow is the Arrow of the future and is available today by calling us Toll Free and ordering.

min. The minimum recommended velocity for a reasonable killing shot for elk. velocity will vary with arrow weight. Based on averge 55 Lb. bow and 2117-30" arrow This is the personal opinion of Cal and based only on theory and experience. With a persect hit, slower velocities may be effective. Arrow weights all calculated with 125 gr. Points.

SHAFT S12E	ARROW	MIN. Velocity	SIZE	a Rrow Length	Min. Velocity
1913	27	201	2117	32	171
1913	28	199	2020	28	172
18/6	27	196	2020	29	170
1816	28	194	2020	. 30	169
2013	28	195	2020	3)	167
2013	29	193	2216	!	176
1916	27	191	2.216	2	174
19/6	28	189	2216	2.7	172
1916	29	187	22/4	3.3	17/
2016	28	186	2219	29	169
2016	29	184	2219	30	167
2016	30	182	2219	31	165
1918	28	18!	2219	32	163
1918	29	179			
2114	28	190			•
2114	29	188		;	* * · · · · · · · · · · · · · · · · · ·
2114	30	186			
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2213	29	188		;	
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2117	29	177		<b>;</b>	
*2117	30	175 *			
2117	31	173			

13
EXHIBIT US
WITNESS STATEMENT DATE 379
NAME Vera Calson BUDGET
ADDRESS 908 Park In
WHOM DO YOU REPRESENT? Montana Bow hunters
SUPPORT OPPOSE AMEND
COMMENTS: $\frac{1}{379} - \frac{1}{31/89}$
We ask that you listen Carefully
to the testimony of both sides
+ you will reached written
epplanations & eptensine
information, from the M. B.A
Cham.
Thank you

PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

Form CS-34A Rev. 1985

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LC 1608/01

51st Legislature

EXHIBIT. DATE

LC 1608/01

BILL MG. INTRODUCED BY

THAT MAY BE USED BY ARCHERS IN HUNTING GAME ANIMALS; AND A BILL FOR AN ACT ENTITLED: "AN ACT REGULATING EQUIPMENT PROVIDING AN IMMEDIATE EFFECTIVE DATE."

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MONTANA:

abanised, or electronically stimulated or activated device equipment restrictions. (1) It is unlawful to attach any electrical, to a bow or arrow while hunting game animals. NEW SECTION. Section 1. Archery

(2) It is unlawful to hunt game animals with any arrow, including broadhead, weighing less than desire grains.

> 14 15

(3) The following restrictions apply to the hunting of game animals with broadhead arrows:

16

animals with broadhead arrows:

(a) Broadhead blades may not be less than Finch wide.

Chadhad Must be Whitelli

(c) Broadheads must have a completely closed back with

5 20

17 18 a smooth, unbroken surface starting at a maximum blade

width, forming a smooth line toward the nock end of the

shaft. The line may not angle toward the point.

(4) It is unlawful to hunt game animals with a bow that has:

(a)

Sest than 40 pounds of peak weight, or maraised at the hunters

ar less draw length; or

(b) greater than 664 reduction in holding weight at  $7\,{\cal O}$ 

full draw.

instruction. NEW SECTION. Section 2. Codification

[Section 1] is intended to be codified as an integral part

of Title 87, chapter 3, and the provisions of Title 87,

chapter 3, apply to (section 1].

NEW SECTION. Section 3. Extension of authority. Any

on the subject of the existing authority to make rules

provisions of provisions of [this act] is extended to the

[this act].

NEW SECTION. Section 4. Effective date. [This act] is

effective on passage and approval.

# WITNESS STATEMENT

EXHIBIT_	15
DATE	1/3/
LID	379

NAME Tim Spueren		BILL NO. NB379
ADDRESS 770 mots. FJ Rd		BILL NO. HB379  DATE 1-31-89
WHOM DO YOU REPRESENT? Montana Al	echery Assoc 4 N	rational Field Ar
SUPPORTOPPOSE	yes 1	WEND
PLEASE LEAVE PREPARED STATEMENT WITH	SECRETARY.	
Comments: As Bowhunder Co	poedinator tor	This State
1(3 7500 100000 -		

Assn. while being Affiliated with the National Sector. We totallyoppose HB 379 in it's entiety. One Membership Supports Fil. P. Division enforment as they have in the past din the Past they Regulated this Season Very Well.

#### Amendments to House Bill No. 307 Introduced Reading Copy

For the Committee on House Fish & Game

Prepared by Doug Sternberg, Committee Staff February 1, 1989

1. Page 2, lines 9 through 12.
Following: "ballots." on line 9
Strike: the remainder of line 9 through "held." on line 12

2. Page 3, line 21.
Following: "If"

Strike: "a" Insert: "the"

Following: "member"

Strike: "or"

Insert: "and the"

Following: "alternate"

Strike: "resigns" Insert: "resign"

# FISH AND GAME COMMITTEE

DATE JANUARY 3131			
	,		
RESIDENCE	SUPPORT	OPPOSE	
401 S. Colifornia St.		<b>X</b>	
	RESIDENCE	RESIDENCE SUPPORT	

Fish AND	GAME COMMITTEE		
BILL NO. HB 307 SPONSOR HOFFMAN	DATE JANUAR	31	<del></del>
NAME (please print)	RESIDENCE	SUPPORT	OPPOSE
Pan) 5. Roos	1630 Justin Helma	<b>y</b>	
Hayand Thomas	MOGI Envais, MT. Cheridan MT	-	
Jack D Kutchism		V	
Stop Bradskari	FFOAM	1	
	,		

# visitors' register Likard Ganl committee

BILL NO. #6 379	DATE 1/31/89

SPONSOR \_\_\_\_

SPONSON	<del></del>	<b></b>	<b>.</b>
NAME (please print)	RESIDENCE	SUPPORT	OPPOSE
CAL BENNETT	PO BOX 236 E. HELENA		· ×
Monty Morguec	1919 31 ST MEsselfa	U	
GREG MWTHER	Box 8208 Missara Mt	V	
Dick Robertson	BOX 1432 Hamilton		
DAUID KOZUB	Stevensville Mt.		X
CLIFF Nelson	Townsend mit		X
Mark Baker	Livingston, MT		As. Written
Gray Clutter	1290 story milled BZ		V
Ron Roman	851 SILVERETTE, HELONA		
Donne d Brannon	1501 Lesure, Heran		
Ron Demuto	1501 Leslie Herman 133 52 hd St 50 Great Falls		V
William Hadip	3010 Cons Grale F. Alden		L
At Swelf ARTSWETTE			X
THE COMIKE ELLIC	913 J. Bepck		X
Harden Carlo	933 N Park Helman		×
Da Dt.A	BOX 159 R. HRLRNA		X
41. NE Songer	BOX 159 R. HRLANA 1805 Toskyn 153 Melin		X
Bob Wilhiam	327 State Held	i	X

IF YOU CARE TO WRITE COMMENTS, ASK SECRETARY FOR WITNESS STATEMENT FORM.

PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

, VISITORS' REGISTER	
Just: Saul	COMMITTEE
BILL NO. HA379 DATE	1-31-89
SPONSOR	

NAME (please print)	RESIDENCE	SUPPORT	OPPOSE
Ley D Hugh	Alaceslin .		X
Stephen Mese	5530 Rain Sow Or		X
VAMES V. GOSINK	1420 CAYNSE HELENA		X
William M Cowaw	5666 Quarte Ct		X
Doeslas Gentrury	1355 Ct. Yella		>
Montpolin Mark Peroni	BX & GARdiner MT		Aswriten
Tomes X. Jom x	1916 15 A.S. G. FAlls	·	As waffer
Jim KYLE	1916 15 \$ A.S. 61. 5A/15 4/200 Huckleberry 6-1 Fulls		X
Bill Tiddy	2230 Lockey Helens		X
John R Dacido	2669 Stoart Helera		15 written
Egelyn R Doug	26Ea Stoart Helena		X
Anthon Coolinho	1535 Summit St. Helan		X
Lexe & Dike	GREAT FALLS NT 59405		17
Lave Complex	1114 Central Ave		
Sail Vilp	4440 Head Cane		
Bill kinDensel	Helenaa 1415 Knight St. Helena, mt 5960/		$ \times $
ED BEALL	HELENA MT STEPLE HELENA MT		X
LARRY L SCHWEITZER	PO. BOX 873 DENON, MIT 59430		X
DON DAVIDSON	DENTON, MT 59430 1291 RK I West GREET FARGUT 5940		as

IF YOU CARE TO WRITE COMMENTS, ASK SECRETARY FOR WITNESS STATEMENT FORM.

PLEASE LEAVE PREPARED STATEMENT WITH SECRETARY.

1	VISITORS'	REG1STER	
tish	: Dan	L	COMMITTEE

BILL NO. 379 HB	DATE 1-31-89		
SPONSOR			
NAME (please print)	RESIDENCE	SUPPORT	OPPOSE
ROSER LHYNDMAN	5636 DUARTZ		
How Toy Herbert Lay	3750 Heather Holoua		
Tim Spuesen	770 motsit		1
Dick Solum	1146 W. Diamos		1
Konald Scharf	1609 S. Caylord Butte		X
Jan Zamel	3902 Wyler Dr.		
Charles R. BRONKS	MontanaRetu, / ASSOC	2	
Dru Moson	2333 Hury Q EAST KAlype	/	$\perp X$
Georgo LAVO	104 MIDDLEMAS HEROM		X
Churk Croall	104 MIDDLEMAS HEROA 94401 925 IST AUFN GYFOLIS		X
		`	

COMMITTEE				
BILL NO. 1-18-379	DATE 1-31-69			
SPONSOR	<del></del> -			
NAME (please print)	RESIDENCE	SUPPORT	OPPOSE	
Raymond P. Pellen Plan Some	3006 Enclidave #4		X	
Plan Same	3006 Euclid Ave #4		X	
	-			
:				
		+	<del> </del>	
			<del> </del>	
		<del> </del>		

Fig.	200	GAME	COMMITTEE
1124	HND	シカルと	COLDITION

BILL NO. HDO 17	DATE CHICKING	<u> </u>	
SPONSOR Elliott	— ·		
NAME (please print)	RESIDENCE	SUPPORT	OPPOSE
JAN HAMER	3902 Yelyler Zlelma		X
Marin Barba	3902 Wyler Letrna	V	
Bill Van Donsel	1415 Knight Hekra		X
Vera Cahoon 1.	908 Paik In HAPING LANGE		
Charles R. Snooh	318 N. LNETCHAMPE		X
Month Moravec	1919 3151 Ms/a	$\times$	3
1 Brown	MISSA		E _
Joseph			
	, , , , , , , , , , , , , , , , , , ,		
	<b></b>	<u> </u>	1