

Summer 2018



Alberta Hunter Education  
Instructors' Association

# Conservation Education Magazine

The Voice of  
Conservation Education  
in Alberta



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# President's Message

## If You Don't Stand for Something, You'll Fall for Anything!

By Bob Gruszecki



Bob Gruszecki  
President - AHEIA

Words attributed to many in history, including the likes of Malcolm X, or even recently again in a song by Aaron Tippin, *You've Got to Stand for Something!* I am often asked why our volunteers do what they do, and I am often challenged personally on why I do what I do.

I believe it's because collectively we stand for something much larger than ourselves.

At AHEIA, we stand for Education! We use education as a tool to help Albertans understand our natural world. A world filled with a tremendous bounty that is rich with wildlife and wild places. The knowledge we transfer helps us every day and in so many ways, not the least of which is to engage and inspire Governments, decision makers, hunters and non-hunters, consumptive and non-consumptive resource users, and literally hundreds of thousands more who work with us to protect wildlife and wild places. We believe our lives are enriched as a result of this great quest!

Over the past half century, we have worked hard to establish long-term trusted relationships and have passed on knowledge to over 2,000,000 Albertans who interact with wildlife and nature in a sustainable way. We contribute regularly to policy discussions, and our influence benefits Albertans, wildlife and the wild areas of our Province. Education of the public about Alberta's flora and fauna helps our students in their understanding of the importance of biodiversity and an ever-changing ecosystem. This understanding leads men, women and children of all ages to engage in the protection of species/spaces and our opportunity to live in a better Alberta. Regardless of the intent — to hunt for harvest, or preserve and protect without consumption, this connection we foster provides a valuable incentive for a lifelong interest in our natural environment and the species that occupy it. Our combined efforts also create a better understanding of the roles we play as anglers, hunters, photographers, wildlife watchers, campers, hikers and so many more ... in the overall survivability of species and spaces as well as our opportunity to enjoy them.

As Conservation Educators, our leadership, support and mentoring set the stage for bright young minds to become the best and brightest conservationists and conservation education leaders of tomorrow. This connection also rekindles a spirit and sense of belonging in those of us who have been convicted to the rewards of the hunt, the hike or simply sharing in the experience with the next generation.

The bottom line is that if you truly stand for something, you will see that there are people that are "for" you and people who are "against" you. I, for one, am not prepared to let those who are "against" us dominate my thoughts and energy or rent space in my head. What we as conservation education instructors stand for brings light to other people's darkness. When we mentor a young hunter, we open a new horizon to paths yet unexplored. When we teach a person to fish we teach a connection to nature. When a young person being mentored on a waterfowl



Continued ►





## President's Message *cont.*

hunt achieves their first harvest, we open a door to a new world which may include future culinary extravaganzas, a sense of achievement, a deeper connection and need to preserve species for future harvest and enjoyment. When we teach a student to fire an arrow and strike a bullseye we teach a tremendous sense of self-empowerment and achievement as well as bolster self-confidence and encourage camaraderie. The first time a student breaks a clay target or manages a bullseye with a well-placed shot under the watchful eye of a seasoned coach, we convey a sense of accomplishment, safety awareness and increased confidence. All of these experiences are a form of Conservation Education.

**Don't kid yourself ... when you stand for Conservation Education  
you make an important difference in people's lives!  
Good, Better, Best, as Conservation Education Instructors we never  
let it rest, 'til our good is better and our better is best!**

On behalf of the well over 100,000 students that your efforts will reach this year alone ...Thanks for standing for something as important as Conservation Education! Thanks for doing what you do!

Cheers!

Robert A. Gruszecki, President, AHEIA



 Alberta Hunter Education  
Instructors' Association

# Conservation Education

Magazine

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### Front Cover Photo:

Courtesy Don Kesler Nature Photography





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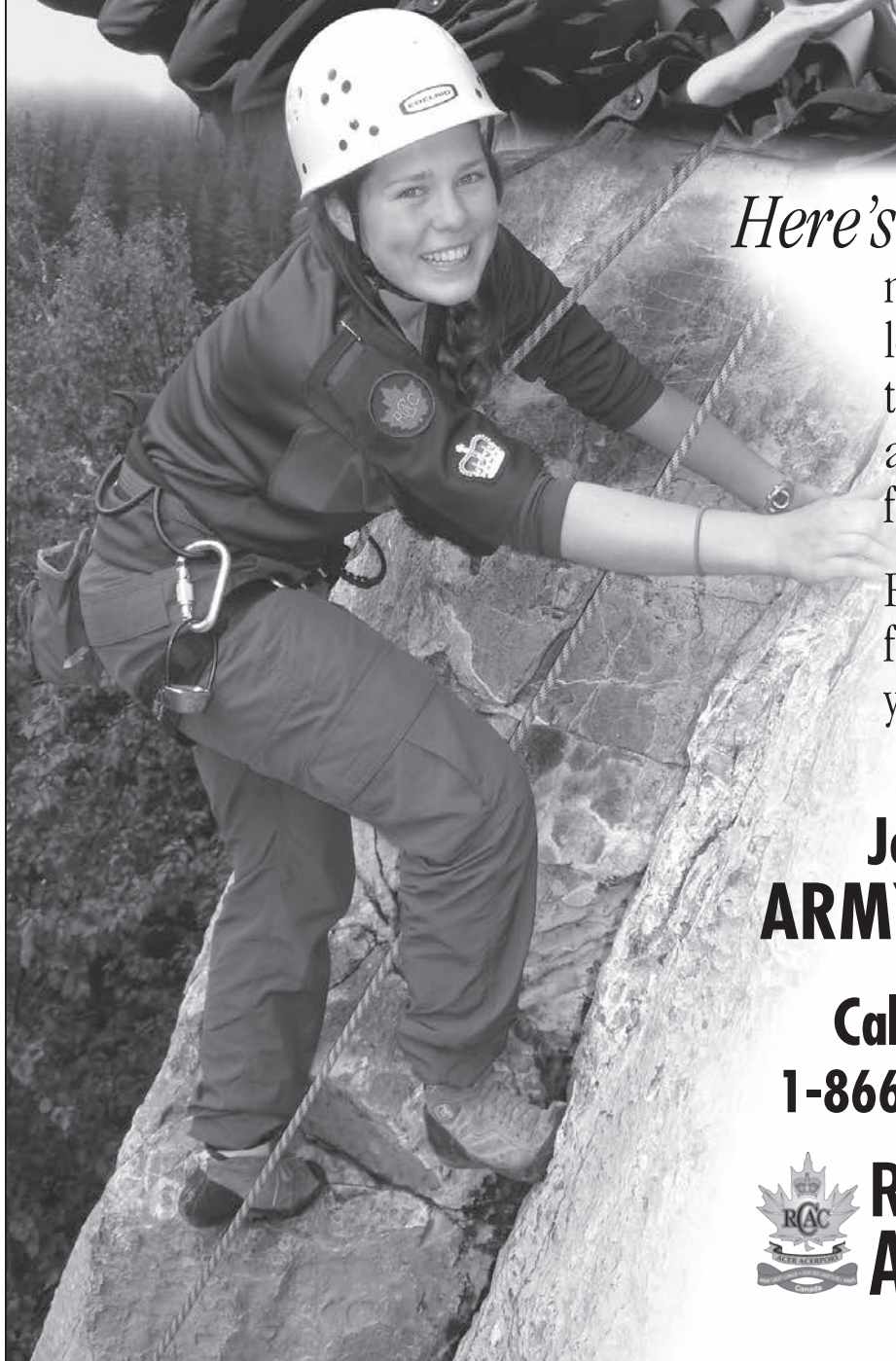
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# Edmonton Report

“ ... the perfect opportunity for you to spend some quality time with your kids or grandchildren. ”

By Len Gransch



Len Gransch  
Program Coordinator  
AHEIA  
Red Deer - North

The weather has been co-operating and it feels like summer is finally here. I hope all you black bear hunters out there have had a good season. Apparently, bear activity for the most part has been excellent, and some nice trophies were harvested. If you were not successful in the spring hunt don't despair, as you can

get after those bruins again this fall. If you would like to increase your bear knowledge I would highly recommend that you take our online Bear Essentials course. You will not be disappointed. Best of luck with your hunts.

Our ever-popular Youth Hunter Education Camps are once again sold out. If you have youngsters who you would like to see attend our 2019 camps, email us at [edmontoninfo@aheia.com](mailto:edmontoninfo@aheia.com) and we will add you to our notification list. Participants will receive training in both the Alberta

Conservation and Hunter Education course as well as the Canadian Firearms Safety course.

Our 2018 Outdoor Youth Seminar will run August 24-26 and will be held at our Alford Lake Conservation Education Centre for Excellence, west of Caroline. Registration forms are available from any of our facilities or can be downloaded from our website [www.aheia.com](http://www.aheia.com). From the home page, click on *Programs and Events*, then click on the *2018 Outdoor Youth Seminar* tab to access the registration form. We have modified some sessions for this year and added a few new ones. This event is the perfect opportunity

AHEIA's Outdoor Youth Seminar  
runs August 24-26, 2018.

Registration forms are available  
from any of our facilities or  
can be downloaded at  
[www.aheia.com](http://www.aheia.com).

for you to spend some quality time with your kids or grandchildren. There is also the very popular whole pig roast to look forward to for supper on Saturday night.

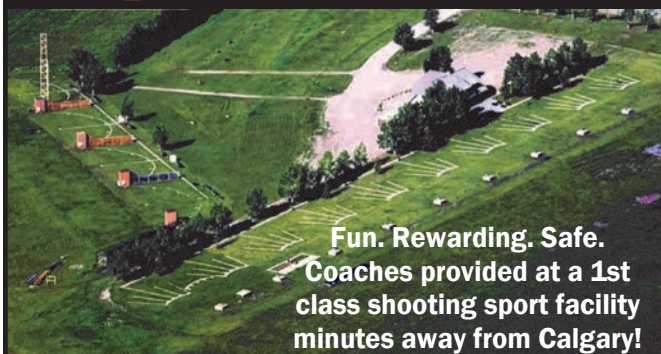
We are always looking for volunteer assistance. We never cease to need help at our numerous camps and other events such as sports shows and in-store promotions. We also continue to look for help at the office with our regular daily routines. If you, or any of your friends, have some spare time and wish to become part of something bigger, please let us know. Paying it forward has great personal rewards. Give me a call if you are able to assist and I will get you going.

Thanks to everyone who continues to help out by volunteering. Your continued commitment is very much appreciated. Volunteers are the life-blood of everything we do.

Until next time, take care and enjoy the Great Outdoors!



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The Outdoor Women's Program

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Since 1985, Wildlife Habitat Canada, a national, non-profit, charitable conservation organization, has invested over \$50 million to support hundreds of conservation projects on private and public lands across Canada, through its granting program. Wildlife Habitat Canada works through partnerships with communities, landowners, governments, non-government organizations, and industry to conserve, enhance, and restore wildlife habitat. To learn more about the projects that Wildlife Habitat Canada has funded or to see our annual report, please visit [www.whc.org](http://www.whc.org).

*Without habitat ... there is no wildlife. It's that simple!*

**Making Wildlife and Fish Part of the  
Value System of all Albertans.**



# AHEIA Conservation Education Wildlife Museum Loans Mounts to Medicine Hat Museum

By David Dolph

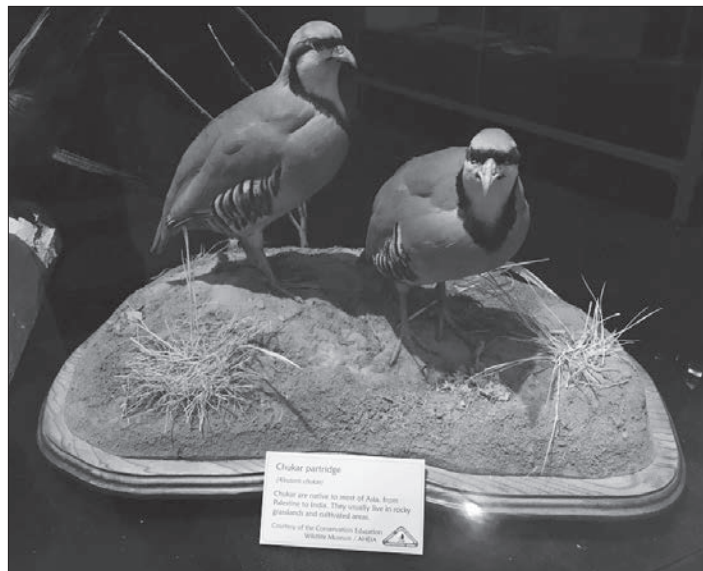


David Dolph  
Executive Director  
AHEIA

AHEIA is proud to have supplied some of the wildlife mounts currently being used at a new exhibit entitled *The Hunt* at the Esplanade Arts and Heritage Centre in Medicine Hat. Tom Hult, the museum's collection technician, has spent four years pulling together the exhibit which, as he notes, "explores the history of hunting and wildlife conservation in southern Alberta from the earliest human presence to the modern day. From early Indigenous hunters to homesteaders, from trophy hunters to hipsters, the exhibit explores the changes in hunting practices and attitudes to animals over time and looks at the role of hunting in southern Alberta today."



**AHEIA's Conservation Education Wildlife Museum is in Calgary at 911 Sylvester Crescent SE and is open Monday-Friday 8:30am-4:30pm. Admission is free.**



**The exhibit runs from June 9 - November 3, 2018 at the Esplanade Arts and Heritage Centre,  
401 First Street SE, Medicine Hat, Alberta.  
([www.esplanade.ca](http://www.esplanade.ca))**

Hours: Monday - Friday 9:00am - 5:00pm • Saturday - Sunday 12:00noon - 5:00pm • Statutory Holidays closed.







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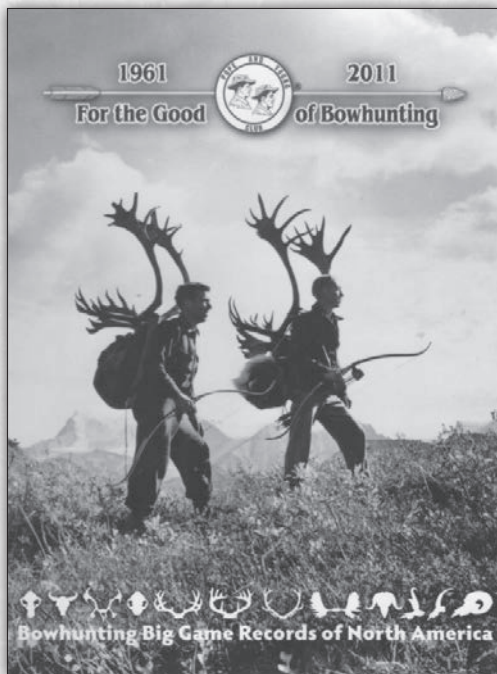
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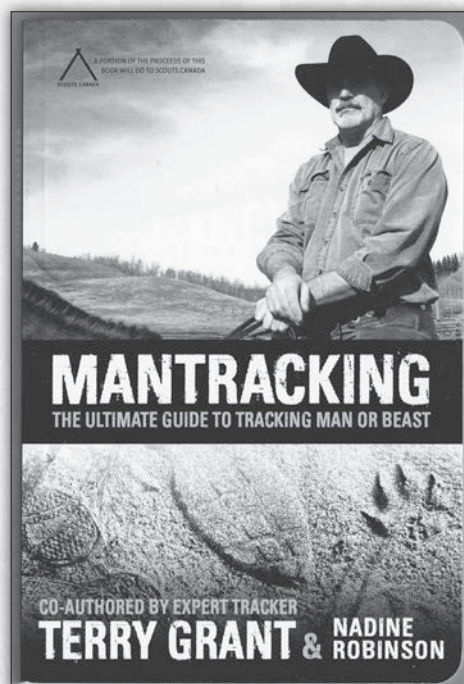
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# Firearms Education Report

“ This is a great time to reflect on your teaching skills, methods or simply upgrading your teaching kit. ”

By Glenn McKay



Glenn McKay  
Firearms Education  
Coordinator  
AHEIA

The second quarter of every year finds firearms courses going full swing with people getting into firearms for the first time, upgrading to restricted privileges, or just taking the training for the educational value. Whatever the reason, as instructors, we provide that education.

Just a couple of on-going items AHEIA is following:

## Misinformation

We have received several questions relating to the Firearms Program from current instructors. Some of these questions have been discussed amongst other instructors and the answers have been somewhat less than accurate. If you have a question, simply give our office a call and speak directly with us. We are easy to get a hold of and are more than happy to help. We are here to assist and keep all of the instructors on the same page. As I have been told, if it is on your mind — it should be on your lips. Just call and ask.

## Bill C-71

A very hot topic and one that you no doubt have an opinion on. For the present time, this is a bill, not a law. Simply keep the training on point and follow the recipe to provide a course that keeps opinion out of the equation. Listening to the debate on the radio, it was pointed out that this is an issue that goes coast to coast, border to border. Some of the presenters gave very well thought-out arguments which pointed out flaws in the bill, as well as conceding the valid portions of the bill. The debate will continue, but please limit it in the classroom.

## Hunting Draws

I usually do not comment on this area, but it does get discussed in our classes as a sideline to the CFP. While students are talking, ask them why they are taking the class. A high percentage are planning to go hunting with a firearm, hopefully this fall. Remember to tell them this is a Federal course and, to go hunting, they must have taken the Alberta Hunter Education Certification Program, which is a separate, Provincially mandated course. Every fall, AHEIA receives calls from students, Fish and Wildlife, and Conservation Officers indicating that the students were told that to hunt with a firearm, the Canadian Firearms Safe-

ty Course is the only course the student needs to take. All of us know that this is NOT the case, so please enforce that point in your classes.

Speaking of hunting, the timeline for students to obtain their PAL is now creeping upwards towards 90 days, so let your students know that they must take the course well before the hunting season starts. Taking a class in September, with the hopes of hunting in November, can be a very frustrating situation for the student. If you are advertising for your courses, it might be worthwhile informing your potential students of this timeline length.

One of the comments we are hearing from instructors (provincewide) is that there appears to be fewer students taking the classes these days. This is an annual lull, or downtime, with people getting ready for holidays, finishing school or students getting into the work force, so do not fear, the numbers usually rebound towards fall. This is a great time to reflect on your teaching skills, methods or simply upgrading your teaching kit. It matters not what you do, as long as you take some time for yourself and enjoy our summer season!



If you have any questions or concerns, simply contact us at 403-252-8474 or [info@aheia.com](mailto:info@aheia.com).

## Staff Announcement



On behalf of AHEIA and WISE I am both delighted and disheartened to announce that Glenn McKay is retiring. His last day at AHEIA will be Tuesday, July 31. Glenn has been a tremendous employee, leader and friend. Gifted, with an endless energy level and a cooperative nature, Glenn has shared many highs and lows with AHEIA as our programs have grown. Glenn joined our team September 26, 2005 after his retirement from the Calgary Police Service, where he served for 26 years. He has been a tremendous help to me and to all of us at AHEIA, and while Glenn's retirement is a loss for us, it is a well-deserved respite for him.

He has accepted a new role where he will be navigating the highways and bi-ways of North America and beyond as he and Kathy explore and seek adventure, including some in the great outdoors with their new trailer. I'm sure that there will be many trout streams that Glenn will be visiting and tossing in a fly or two! With Glenn's love of family, fishing, hunting and outdoor activities, I know he will enjoy a greater chance to enjoy these pursuits.

We all wish Glenn the very best.

Robert A. Gruszecki, President - AHEIA



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**“Accessing the river is quite simple,  
and fishing from the shore is a popular pastime for those who have discovered this fishing secret.”**

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# Fishing the North Saskatchewan River

By Len Gransch



Len Gransch  
Program Coordinator  
AHEIA  
Red Deer - North

Most residents in and around the Edmonton area tend to overlook the North Saskatchewan River as a viable fishing destination. It is somewhat normal for people to ignore adventures in their own backyard, so to speak. “How good can it be?” With the warm weather finally here, most people cannot wait to get outdoors in pursuit of their favourite activities. If you list fishing on your list of hobbies, make sure you give the North Saskatchewan River a try. You won’t be disappointed.

There are numerous species of fish that inhabit this river system, both sport species and those categorized as the coarse species. Among the more prominent sport

fish members are the Burbot (Ling Cod), the Goldeye, its smaller relative the Mooneye, the prehistoric Lake Sturgeon, the Mountain Whitefish, the Northern Pike, the Sauger, and the ever-popular Walleye. Most individuals are quite surprised when they hear about the bounty of fish available in their own city.

The Burbot can easily be identified by its dark body and white belly. It has a single barbel (whisker) hanging from its lower jaw and one from each nare (nostril). Some people may tell you that Burbot are not fit for eating. Boy, are they wrong! The Burbot is basically a freshwater cod and is delicious.



Goldeye

Lake Sturgeon are considered to be the longest living and largest fish in the river. They have long barbels and five rows of bony plates called scutes along the body.

Mountain Whitefish tend to move in schools from one pool to another. Try fishing from the north end of the Quesnell Bridge. They are fabulous smoked.

Goldeye and Mooneye are deep, laterally compressed fish with silvery scales. The Goldeye has a bright yellow or golden eye. In contrast, the Mooneye only has the yellow colouring on the upper half of the eye. Both tend to be a schooling fish and are also fabulous when smoked.

Northern Pike is a predatory fish at the top of the food chain in the river. It is a very common species and are typically rather easy to catch. Commonly referred to as jackfish.

Walleye and Sauger are very similar in appearance, but the Sauger has characteristic black spots on its first spiny dorsal fin. The Walleye is typically larger than the Sauger and has characteristic white spots on the tips of the anal and caudal fins.

When it comes to the coarse species of fish, we are pretty much left with the members of the sucker family. In the North Saskatchewan River you will find the Quillback, Shorthead Red Horse, Silver Red Horse, Longnose Sucker and the White Sucker. Although not considered table fair, they can still be fun to catch, and the Quillback can hold its own when it comes to putting up a fight.

While compiling pictures to go along with the article I called upon Shona Derlukewich. About 10 years ago, during a Hunter Education/Fishing Education instructor certification course at NAIT, I met Shona. Shona has taken her passion for all things to do with fish and turned it into a career. I contacted her for assistance with some pictures and she was able to supply some (that is her you see in the photographs). She has published a *Fishes of Alberta Field Identification Guide*. It is an invaluable tool and I purchased one right away. You can contact Shona Derlukewich, B.Sc., QAES at [derlukewich@hotmail.com](mailto:derlukewich@hotmail.com) to get your own book or ask questions. Thanks Shona for allowing us access to your pictures.



Walleye





Rocky Mountain Whitefish



Mooneye

Health Canada has set fish consumption guidelines based on the concentration of mercury in fish tissue. Most mercury accumulation in Alberta fish comes from natural sources. The Alberta Government recommends that pregnant women and children under 12 not consume Walleye, Northern Pike, Sauger and Goldeye. They have no daily limit for children 12 and over, or adults. Always use caution.

Accessing the river is quite simple, and fishing from the shore is a popular pastime for those who have discovered this fishing secret. If you have a vehicle, you can access numerous fishing locations in the area. Some access points are Fort Edmonton Park, Whitemud Park, William Hawrelak Park, Rosedale Water Treatment Plant, Emily Murphy Park, Goldbar Park and Hermitage Park, to name a few.

Should you wish to utilize a boat, canoe or kayak there are some additional areas where you can access the river. The City of Edmonton has boat launches at Capilano Park (south side of river at the end of 50th Street) and Laurier Park (13221 Buena Vista Road NW). If you have a canoe or kayak there are more options for you, but they are strictly hand/carry launches. You can locate them at Whitemud Park (off of Fox Drive by the Whitemud Equine Center), Terwillegar Park (156 Street and 36 Avenue), Fort Edmonton Park (corner of Fox Drive and Whitemud Drive), Emily Murphy Park (Emily Murphy Road and Groat Road), Dawson Park (north of 10286 and 89 Street), and Louise McKinney Riverfront Floating Dock (off of Grierson Hill).

Please make sure that your adventures at the river are always done safely. Be aware of hazards like water intakes, poor footing, changing water levels, obstructions in the water, etc. I highly endorse the use of a PFD (personal floatation device) and some kind of a buoyant heaving line. Remember, you are always responsible for you and your family's safety!



Northern Pike



Silver Redhorse

*Continued* ➤



Burbot



## Fishing the North Saskatchewan River *cont.*



Lake Sturgeon

It is also your responsibility to know, and follow, all the fishing and boating regulations. Ignorance of the law is never an excuse. For the laws governing fishing please check the current *Alberta Guide to Sportfishing Regulations* which is available at all vendors who sell fishing and hunting licenses, or online. For specific questions, you may call the Edmonton Fish and Wildlife Division at 780-427-3574. If you wish to learn more about boating regulations please call the Boating Safety Information Line at 1-800-267-6687.

Interested in obtaining your Pleasure Craft Operators Card? By the time you read this, we should have our online course up and running. You can also take the course, or do a challenge, through any of our AHEIA Pleasure Craft Operator Training certified instructors. Courses will also be offered at both our Calgary and Edmonton offices. Contact us for availability.

A very good Alberta fishing educational resource is our Alberta Fishing Education Program manual. You can purchase one for the low price of \$10 plus GST. Manuals are available through our Calgary or Edmonton offices.

If you live in other cities, please check with them for angling programs and opportunities available to you in your area.

Remember, your rewards will be even greater if you take a youngster or two out fishing with you.



“ It is also your responsibility to know, and follow, all the fishing and boating regulations. Ignorance of the law is never an excuse. ”

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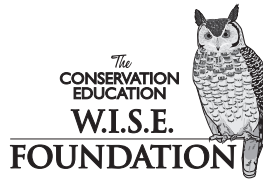
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# W.I.S.E. Award Nominations

## Recognize Conservation Excellence

Nominations for the 2019 W.I.S.E. Awards are now being accepted.

Initiated 16 years ago, the W.I.S.E. Awards recognize outstanding achievement and commitment in the area of Conservation Education and Resource Management.

The Alberta Hunter Education Instructors' Association and the Conservation Education W.I.S.E. Foundation created the W.I.S.E. Awards. Both of these charitable foundations exist solely for the purpose of helping Albertans learn about Alberta's wildlife and the contribution that wildlife makes to the quality of our lives in Alberta. The goal is to make wildlife and fish part of the value system of all Albertans.

W.I.S.E. Award recipients can be chosen from one of the following four categories:

- W.I.S.E. Public Service Conservation Award
- W.I.S.E. Industry Conservation Award
- W.I.S.E. Volunteer Instructor Conservation Award
- W.I.S.E. Alva Bair Memorial Award

The awards will be presented at the AHEIA banquet and fundraising auction held February 9, 2019, in the BMO Centre, Palomino Room, Stampede Park, Calgary, Alberta.

Please have your W.I.S.E. Award Nominations in as soon as possible for consideration.

For more W.I.S.E. Conservation Awards information and nomination forms visit the AHEIA website at [www.aheia.com](http://www.aheia.com) or call 1-866-852-4342.

### Conservation Awards Nomination Form

- |  |  |
|--|--|
| <input type="checkbox"/> Public Service Conservation Award       | <input type="checkbox"/> Industry Conservation Award |
| <input type="checkbox"/> Volunteer Instructor Conservation Award | <input type="checkbox"/> Alva Bair Memorial Award    |

*Include with your nomination, details as to why your nominee should be selected, based on the general criteria listed for each award description.*

Name of Nominee: \_\_\_\_\_

P.O. or Street Address: \_\_\_\_\_

Town or City: \_\_\_\_\_ Province: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Nominated By: \_\_\_\_\_ Signature: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Date: \_\_\_\_\_

Please submit completed nomination form to:  
Alberta Hunter Education Instructors' Association (AHEIA)  
911 Sylvester Crescent S.W., Calgary, AB T2W 0R8  
(403) 252-8474 or 1-866-852-4342  
Email: [info@aheia.com](mailto:info@aheia.com)

Submissions may be forwarded by mail or email, or you may access this form electronically by visiting our website. Be sure to include all supporting materials.

### Recognizing Conservation Excellence



The Alberta Hunter Education Instructors' Association

## Our Mission:

*To Make Wildlife and Fish Part of the  
Value System of Every Albertan.*

#### Working Principles & Elements of AHEIA's Conservation Education Programs:

- Wildlife is part of the value system of every Albertan.
- Wildlife contributes to the quality of the lives of Albertans.
- Human activity impacts wildlife.
- The behaviour of each person is important to the future of wildlife.
- Conservation Education is people helping other people to understand the needs and value of wildlife.
- Conservation Education is people enjoying wildlife and introducing other people to wildlife related activities.
- Conservation Education is people involved in wildlife education programs in formal and non-formal settings.
- Conservation Education is people advocating wildlife values to their communities.
- Conservation Education is people developing and sharing wildlife related skills.
- Conservation Education is people watching wildlife.



# SURVIVAL IS IN OUR CROSSHAIRS



# CON CAPIT

## DID YOU KNOW:

- that it takes an annual operating budget of approximately \$4.3 million to deliver all facets of Conservation Education to approximately 100,000 Albertans annually?
- that every cent of every dollar that is donated goes into Conservation Education program delivery?
- that the annual printing budget of AHEIA for all program areas, including manuals, tests, certificates, etc. represents in excess of \$400,000?
- the annual premiums to secure liability insurance of \$10,000,000 and all other necessary insurance for equipment, facilities and vehicles for AHEIA and every instructor and participant exceeds \$150,000.
- the annual cost of correspondence to members of AHEIA is approximately \$150,000.
- the annual cost for the purchase and repair of training aids and equipment is approximately \$400,000.
- the cost of the one week long Outdoor Women's Program, including three meals and one snack per day, is approximately \$130,000 or \$550 per participant.
- the cost of running one of our Youth Seminars for 150 youths exceeds \$70,000.
- the cost of running one of our Youth Camps for 50 youths for five days, including three meals and one snack per day, is approximately \$1000 per participant or \$50,000.
- the cost of running a one day Outdoor Wildlife Learning (O.W.L. Days) program for 150 youths is approximately \$120 per child or \$18,000.
- the cost of one instructional techniques workshop for 20 instructors for 20 hours is approximately \$1,500 per participant or \$30,000.
- AHEIA does not charge fees on a cost recovery basis for their programs, and survives by donations!

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## FACT:

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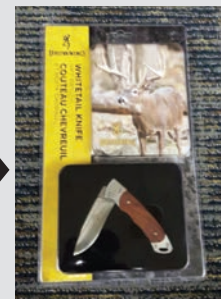
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**“It is up to individual hunters to follow all laws regarding the identification of fish and wildlife harvested in Alberta.”**

# Ageing an Ungulate Carcass

By Allan Orr



Allan Orr  
Assistant Conservation  
Education Coordinator  
AHEIA Red Deer - South

Just as humans grow and change with age, so do ungulates. One of the most noticeable changes occurs in their jawbone and teeth. A quick look at the jawbone of an ungulate will show it to be a fawn (calf), a yearling, or an adult. There are also ways of determining the age of adult deer (over 2½ years), but for the purposes of this article, let's stick with the basics.

First, for those of you new to the topic, we typically talk of age in ungulates in “X+½” years. This is because the young are born in the spring and typically harvested in the fall. We therefore are interested in determining their age during the usual time of harvest, approximately 6, 18, 30, etc. months after birth.

When looking at an ungulate jaw for field forensic aging, we look at the third tooth on the animal's jaw. I am not talking about the teeth at the very front of the mouth (the ones you see when they “smile” at you), but am talking about the grinding teeth located in the back half of the jaw. You will typically need to cut the cheek open to have a good look at these teeth.

A fawn (six months) will have four teeth in the back of their mouth on each side of the jaw. The first three are premolars called “milk teeth” and will fall out. The fourth one, counting back from the front, is a permanent molar. The third “milk tooth”, or the one just before the molar, will have three points or “cusps” on either side of it. It is

called a tri-cuspid premolar. This tooth is not present in adult ungulates.

A juvenile (18 months) will still have at least one tri-cuspid still in its jaw (likely will have both, but not always) and will have six teeth in total on each side of the jaw. The third molar will likely not be fully erupted.

An adult (30 months and over) will have a bi-cuspid (two cusps) pre-molar as a third tooth and will carry a total of six fully erupted teeth on each side of the jaw.

Adults after 30 months will show various stages of decay and wear on their teeth. Some experts feel comfortable estimating older deer using this method. Most times, though, it seems like more of an educated guess than anything. A far better method, and one that experts will use to definitively age a deer, is to count the rings of cementum annuli on the two middle incisors (their “smiley” teeth). This involves using expensive lab equipment to slice the teeth into very thin slices, dye the slices and count the growth rings, similar to counting age rings on a tree trunk.

So, in a very small nutshell, this is how you can determine the age class of any deer, elk or moose you shoot. Of course, if you are hunting in an age-specific season, you had better make sure you can identify these animals by age class BEFORE you shoot them. However, by having this information in your back pocket, you can impress a few people and maybe even make a few bucks (dollars that is) back in hunting camp at the end of the day!

There are several great websites you can look at for more information. If you go to YouTube you can see a very good video on ageing by tooth eruption. I have included the URL here: <http://www.youtube.com/watch?v=laVjWsmkRgA&feature=related>.

This video belongs to a very avid bow hunter from the United States. Here is what he told me about himself and his interest in this field:

*“As far as my wildlife background, I am an avid bow hunter. I love white-tail deer. Over the years I have read countless articles of the wary animal. I wanted to know the animal that I hunted. In 1992, I learned how to age them and score their antlers. I have aged and scored hundreds since then and always for free. I substitute teach at the Somerset County Technology Center. Every year the forestry instructor has me teach his class how to age and score their antlers. I've had some students tell me they still remember and use these methods years after graduation. Like you put it, I'm just a guy who is really interested in this subject.”*

There is some proof from the field that this technique can be learned with some observation and a lot of practice.

## Ageing a Headless Ungulate Carcass

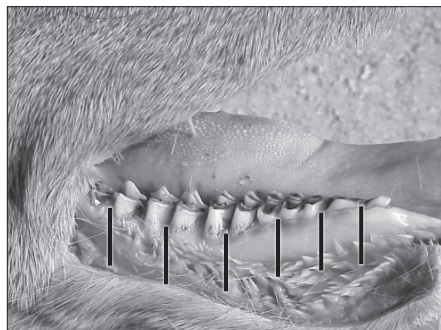
What happens if you find an ungulate carcass that has had the head removed and you desperately want to age it? NO TEETH! What to do?

Well, no need to panic. Headless carcasses can be aged, but the process is much more technical and is difficult to do in the field unless done by someone who has a lot of experience in the technique.

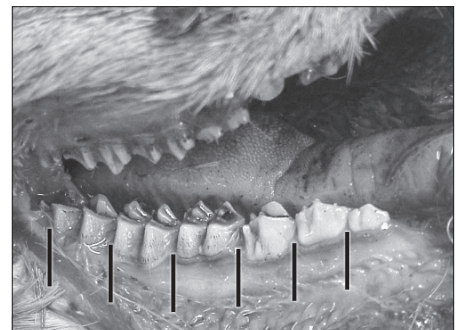
In most cases, you can tell the approximate age



Six month old White-tailed Deer jaw.



Juvenile White-tailed Deer jaw, no tricuspid.



Adult White-tailed Deer jaw.

Photos courtesy <http://www.wideopenspaces.com/tell-age-deer-pics/>

## Epiphyseal Fusion

- The figures below are of the Epiphyses of a human femur or thigh bone (the ball end of the joint, joined by a layer of cartilage).
- The lines in the illustrated **Image 1** show the lines or layers of cartilage between the bone and the epiphyses. The lines are very clear on the bone when a person, either male or female is not out of puberty.
- In **Image 2**, you see no visible lines. This person is out of puberty. The epiphyses have fully joined when a person reaches adulthood, closing off the ability to grow taller or, in the case of the arms, to grow longer.



**Image 1**

**Image 2**

Courtesy <http://canacopegdl.com/keyword/epiphyseal-fusion.html>

class (fawn/calf, juvenile, adult) simply by looking at the body size and shape of the animal. Of course, different species of ungulates will have different body sizes, but all show similar characteristics as they grow older.

Fawns or calves are noticeably small and don't have a whole lot of meat on them. Juvenile animals will be nearly full size in stature, but will be lacking the fullness in the body that adult deer have. Think of a skinny teenager that grows "up" rather than growing "out". The adults, of course, are full-bodied and, particularly in the case of mature bucks, will look very heavy in comparison to the antlerless female companions. Of course, this will never stand up in court, and so law enforcement officers must rely on a more reliable method of aging headless carcasses.

Officers unsure of the age of a given ungulate (or any mammal, for that matter) will enlist the help of one of a number of Fish and Wildlife forensics labs in North America. Proper samples will be collected and shipped to the appropriate facility. The forensic lab will look at any one of the several long bones (radius, ulna, humerus, tibia, fibula, femur) in the legs of the animal to make this determination. They are particularly interested in looking at the processes that have occurred at an almost microscopic level that cause the bones to stop growing. Technically speaking, there is a fusing or capping-off of the

epiphysis, which is the growth leader on the end of the long bones. Once this is capped-off, bone growth stops. This is called epiphyseal fusion.

Epiphyseal fusion is a process that takes place in all mammals and is an examinable, measurable forensic characteristic. Once epiphyseal fusion is complete, the skeleton stops growing and the muscles have a chance to fill out. The amount of fusion, or the lack thereof, will give defendable scientific evidence of the age class of that particular animal.

The lab will compare the level of fusion to known samples and make a determination. Once age is decided, the officer can proceed in whatever manner is appropriate for the situation.

## Wrap-up

The methods described above are common knowledge in the wildlife law enforcement and forensics fields. They may be used by officers to investigate possible violations. It is up to individual hunters to follow all laws regarding the identification of fish and wildlife harvested in Alberta. If you have any questions about these laws, contact your local Fish and Wildlife Office for more information.



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**“Whatever use the axe is going to be put to,  
the key is to use the right axe for the right task.”**

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# Thoughts on Choosing an Axe

By Bob Gruszecki



Robert Gruszecki  
President - A.H.E.I.A.

It's that time when we can start to get outdoors again and clean up deadfall and refill our wood sheds! Perhaps we are going to tackle that log cabin dream we've had or perhaps we are just going to do some simple felling or maybe even a bit of sculpting. So what type of axe to choose for the task at hand? When making your choice it is important to decide what the axe will be used for. Will it be used for chopping wood, out in the forest or to make a log house? The axe has been around for centuries and is one of mankind's oldest tools. It comes in a multitude of sizes and shapes and is very often abused or taken for granted.

The main difference between axes is the edge. Most commonly, the edge faces the direction of travel, parallel with the handle, such as a small forest axe. There are also axes where the edge is perpendicular, although these are less common. An example of such a tool is an Adze or a Gutter Adze.

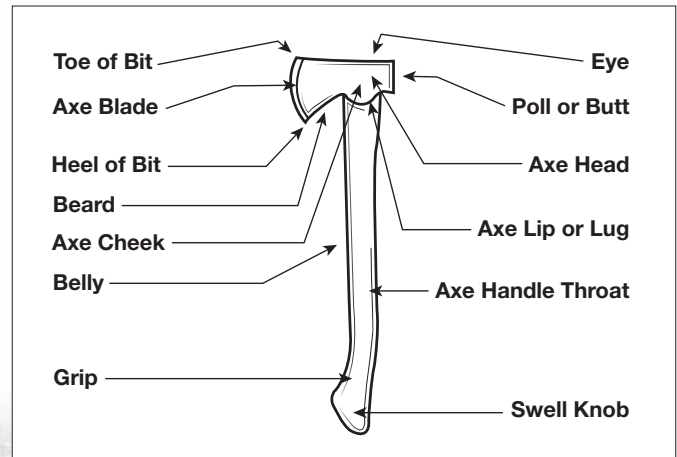
There is a huge difference between chopping axes and carving axes. The shape and edge of a chopping axe are designed to chop away wood fibres and split the wood apart, while a carving axe must slice into the wood.

A typical chopper axe has quite a thin edge but a much broader and thicker poll. This helps to split the wood apart. A prime example of a carving axe is a Carpenter's Axe. This has a long, thin and straight edge with a straight, pointed bevel face and a narrower poll, which makes it perfect for carving. The Carpenter's Axe is not suitable for heavier work such as tree felling or log splitting. The pointed angle of the blade is not designed for that.

Nowadays, axes are used primarily as tools and form three main groups: Forest Axes, Splitting Axes, and Log/Building Axes. There are also some less common types of axe, such as a meat cleaver, like those used in the kitchen or boning shed, the ice pick, such as those used by mountain climbers, and the fireman's fire axe. Whatever use the axe is going to be put to, the key is to use the right axe for the right task.

## Parts of the Axe

Before we get too far into this, let's define the parts of an axe:



## Choosing an Axe

Decide what you need to do with an axe. Choosing an axe has everything to do with your purpose. Axes can be used for either cutting or splitting.

First, let's review the Forest Axe. These axes are made to be used in forests for everything from felling large trees to limbing and separating pieces of the logs. The main distinguishing feature of forest axes is that they are long, have a rounded edge with a flat, elongated axe head. Forest axes are specifically designed to cut across the grain of the wood fibres, as one would want when felling or limbing.

Splitting Axes are just as the name suggests, designed to help split wood. These axes have a heavier and larger head than the Forest Axe. The head is ground into concave shape with a relatively thin edge. These axes are made to chop along the grain of the wood fibres, in contrast to Forest Axes, which are made to cut across the grain of the wood fibres. The concave shape of the Splitting Axes ensures that the edge goes quickly and easily into the wood and then effectively splits it as the broader section pushes apart the wood. Its unique design also means that the axe head does not stick as easily in the wood, as would happen with a slimmer axe head.



Cutting axe

Note the thin profile of this Cutting Axe. This design allows the axe to penetrate "across grain". The thinness means that it presents the maximum force on a low surface area and "severs" what it cuts across — much like a razor blade is designed to function. As a result, this design of axe head is great for cutting. It is not as functional for splitting as, when cutting into a log, it will tend to slide in between the fibres of the wood with minimal interruption. Although we often try to use an axe for multiple purposes, using the axe for its intended design will result in a cleaner, more effortless result.

If you want to cut wood and fell (cut down) trees, you need a Cutting Axe like the one pictured above. A Cutting Axe has a very thin blade that comes to a very sharp edge. This sharp edge can be easily sharpened without taking too

much metal off. Make sure the head is made of good solid steel and is not smooth with a dent here and there. Look carefully at the head; it needs to be one piece of metal. You should not see any joints or connections.

So how does this compare to the shape of a Splitting Axe you ask?

The picture below shows a much wider angle. This is an excellent shape for acting as a wedge when driven into a log. It has a wedge-like action and forces the log apart the deeper the axe head is forced into the wood. It expends all its energy in this way, causing a deep split that forces the grain to separate and come apart more easily. It is at its best when used for this task and this task alone though. If used to cut "across grain" it will not penetrate very deeply, as it will be trying to sever far more fibres than a narrower profile "cutting" bit has to. It will, therefore, stop in a more shallow cut.



Splitting axe

## Handle (Haft)

Hickory makes great handle material because of its strength and straight grains. Pick up the axe and look down the handle towards the axe head. You want the handle to be wood and the grain (the lines in the wood) should run toward the



Grain of the Handle

A good quality haft should have the grain running straight from the haft toe to the neck and the haft shoulder to the haft heel. A small "wander" is okay, trees are rarely straight, but a diagonal grain should be avoided as the haft is likely to split.

head. If the lines run cross ways to the length of the handle, this often is a weak point and a location sure to show signs of a crack or separation after extended use — especially if misused. When they break, they usually break on these "weak" points.

The length of the shaft also depends on your purpose. To fell trees, a handle at least as long as the distance from the middle of your palm to your arm pit will be needed. If you will use it only for small or close cutting jobs, the size of your forearm will be fine. Generally speaking, a longer shaft is a bit better until you become skilled with the use of an axe. The incidence of self inflicted injuries by beginners using hatchets in the woods is far too frequent. I'm not suggesting hatchets don't have their place. Quite the contrary, but in my experience doing bush first aid, I have bandaged more people because of an accident with a hatchet than I care to mention. More on hatchets later in this article.

## Haft Materials

This isn't complicated. The choice is simple: wood, metal or GRP. There are advantages to each.



GRP haft



Metal haft

*Continued* ➤



## Thoughts on Choosing an Axe *cont.*

### • Wood

It's simple, it acts well as a shock absorber and can be replaced if damaged. However, it's much easier to damage than the other two materials.

### • GRP

This is "glass reinforced plastic" and is very common, especially in inexpensive model axes. It is quite a bit more robust than wood, although subject to damage by chemicals if left in sheds, boats, quad boxes. etc. It is every bit as light as wood, but cannot be replaced when damaged.

### • Metal

Too heavy for a large axe, but popular in some hatchets (especially Estwing brands). Metal is obviously heavy for the size and cannot be replaced if bent (possible, but unlikely). Avoid hollow metal hafts found on cheap axes and go for a solid bar of steel if this is your preference.

## Balance

The handle should not move in the head, and when you place the axe roughly one inch below the head on two fingers, it should balance.



Rest the axe across your hand with the shoulder to the neck hanging just off your finger and thumb. The axe should balance perfectly level from the head to the haft toe being level. Neither the poll nor the bit should touch your hand. An axe with this sort of balance is a joy to use.

## Length of Haft

One piece of advice I received, and I often share, is to try and match the axe to your arm. Grasp the head of the axe, with the bit facing forward, and try to tuck the axe into your armpit. The toe of the haft should sit comfortably inside your armpit. This technique in an adult male will usually result in a limbing axe selection — don't be worried to select something slightly smaller if that is your taste and need.

## Hatchets

**Approximately 15" to 18" and weighing approximately 1½ lb.**

Possibly the most versatile and best loved all round bushcraft axe. The best length for one



handed use. The model shown at the bottom left of this page is the Wetterlings Large Hunters axe, but I would also consider a Gransfors Bruks Small Forest Axe or the Husqvarna pictured here.



This is the author's favourite shape axe for an all-around bushcraft axe. This model is made for Husqvarna and has served me well.

I consider a hatchet to be a tool best used in the hands of experienced woodsmen, and would recommend care and caution for beginners.  $\frac{3}{4}$  size pack axes are commonly used and, yes, they are a bit more dangerous, as you are closer to the wood, but are much more efficient at a lot of things such as limbing. Focus on proper stance, smooth and controlled swings, and check the wood for consistency and rotting.

## Using Axes Safely

While an entire chapter could be written about this, and one will in a subsequent article, my purpose here is to provide a cursory review of hand axes. Remember that hand axes, as described in this brief article, are used for the cutting and trimming of small firewood, thin branches and twigs. They are also used to split logs. Whatever you are doing with it, you must check your axe before you take it afield. Never use an axe if the haft is split or damaged in any way. A head separating from the handle, or breaking free during or after the swing, could be catastrophic.



Try never to use a dull axe. Believe it or not, a dull axe causes more injuries than a sharp one. Dull axes glance off branches, limbs, etc. far easier than sharp ones that "bite" into the wood when struck. Clear an area around you of at least the length of three of your outstretched arms. Make sure there isn't anything to "catch" your swing, such as an overhanging branch, a rope or some other obstruction.

For maximum protection, use the correct protective equipment like safety glasses and safety boots. Even a small splinter coming off the wood and into your eyes can cause a major injury, and no further description is needed other than to imagine the damage an axe can do to a toe or foot! Keep your axe in a sheath when not in use. Examples of such coverings are included below and will be the topic of a future article. These were made by the author, and with a bit of time and rudimentary leather skill, can be easily crafted. Covering the axe protects the axe head itself as well as anyone who may come into contact with the axe blade, which is sharp!

## Conclusion

It really doesn't matter if you are trying to build that campfire to roast marshmallows for the grandkids or if you are trying to move that tree that fell on the barn or camper, a little axe know-how is very helpful. Knowing how to use the tools described above is a lifelong journey and a skill acquired over many years. Knowing how to chop wood for fuel is an important skill for any outdoor enthusiast. If you've had zero experience with an axe, chances are pretty good that you could still get the job done. Knowing proper tool selection and the proper use of that tool is a great step in the right direction. You don't have to be built like a lumberjack to use an axe effectively; you just need the tools and knowledge to handle it well. Good luck on your journey and be safe!





# Staff Appointments



**Dawn Dillon**  
Administrative Assistant  
AHEIA Calgary

It gives me great pleasure to announce that, effective April 11, 2018, Dawn Dillon has accepted a permanent full-time position with AHEIA as an Administrative Assistant in the Calgary office.

Dawn has moved to Calgary from London, Ontario with her husband, Andy, and her Australian Shepherd, Oliver. Since their recent arrival, they have explored Calgary, Banff, Red Deer and Rocky Mountain House.

Dawn brings administrative skills to her position from her work at a medical manufacturing company and an orthodontist office in London. Dawn is very active and loves being outdoors in nature. Her husband is interested in learning to hunt and together they are excited to move forward with their lives here in Calgary.

Please join me in welcoming Dawn to the AHEIA family!



**Dave Cason**  
Assistant Conservation  
Education Coordinator  
Calgary Firearms Centre

It is my pleasure to announce that effective April 25, 2018, Dave Cason has accepted a position with AHEIA as an Assistant Conservation Education Program Coordinator. He is assigned to the Calgary Firearms Centre, but will have duties provincially at all AHEIA's centres from time to time.

Over the years, Dave has worked on diverse and exciting projects throughout the world. After completing Broadcasting at Mount Royal College in Calgary, he worked in locations including New York, London and Seoul, Korea and earned himself an Emmy Award for coverage of the 1988 Olympic Games in Calgary. After leaving broadcasting, he returned to Calgary and spent 20 years in the IT and tech industry.

Dave's passion for volunteering is evident in the work he has done and continues to do. He was the founder of both the Bearspaw Canoe Club

and the Mount Royal College Climbing Club, served on the Calgary Area Outdoor Council, Chinook Music Society, SPCA, Civil Air Rescue Association, Vice President of the Calgary Amateur Radio Association and is currently a director of AHEIA.

Although he has such a busy lifestyle, Dave always finds time to enjoy the outdoors. He is an avid hunter, sailor, canoeist, back-country enthusiast, enjoys fishing and is a year-round camper. Dave is an outdoor advocate and brings to his new position not only his outdoor experiences but also a deep understanding of AHEIA's objectives.

Please join me in welcoming Dave to the AHEIA team!



**Abigail Chan**  
Administrative Assistant  
AHEIA Edmonton

It is with pleasure that I announce that, effective May 14, 2018, Abigail Chan has accepted a permanent full-time position with AHEIA as an Administrative Assistant in the Edmonton office.

Originally from Hong Kong, Abigail has lived in Canada for 20 years, the past 10 in Edmonton. She has a degree in Mathematics from the University of Alberta and a minor in Statistics. She also adds East Asian Studies and Japanese to her educational portfolio.

Abigail is no stranger to the non-profit sector, working for eight years as Volunteer Coordinator for ASSIST Community Services Centre involving recruiting and training. She also coordinated special events, advertising and fundraising for the Association. Abigail is an avid volunteer herself, performing magic shows at seniors' centres.

Welcome, Abigail, to the AHEIA family!

Robert A. Gruszecki, President - AHEIA

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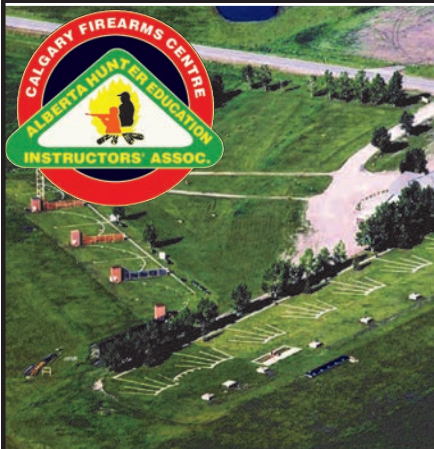
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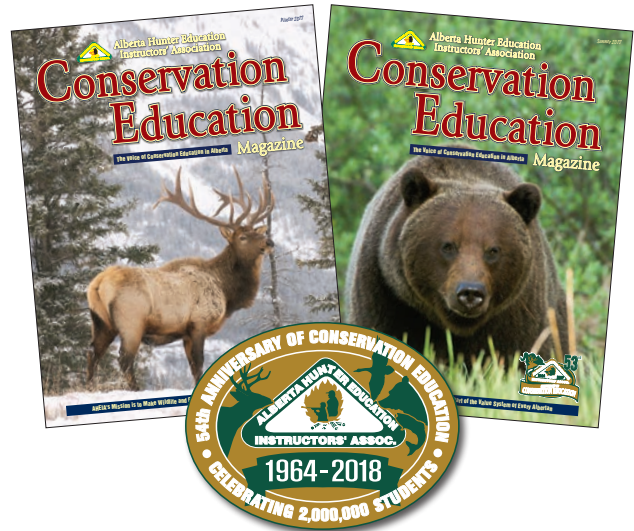


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# Really Honey... This is the Last One I'll Buy!



By John Morrissey



John Morrissey  
Assistant Conservation  
Education Program  
Coordinator  
AHEIA - Calgary

Those are the immortal words spoken when a new firearm magically appears at my door, namely a Beretta M9 A3 pistol. I'm sure my loving wife knows this is not really the last one.

The M9 A3 is the updated version of the Beretta M9 A1 pistol which has served the United States Military for a number of years. Anyone familiar with the Beretta knows these are well made, and the designs appear to be well thought out. The M9 A1 was basically an updated and militarized Beretta 92 FS. With the M9 A3, Beretta has redesigned the grip to a "vertec-style" which reduces the grip size as well as changes the grip angle. The result is a pistol that points well and has good balance. (Grip angle is reminiscent of the Colt 1911 style pistol.)

The magazine well has been beveled and the accompanying magazines have a textured finish that apparently is impervious to the elements.

Controls such as the de-cocker and magazine release are oversized and could easily be used while wearing gloves. Sights are designed for low light and the front sight is easily picked up even with my progressive lenses.

Also, should Canada ever legalise suppressors, the 127mm barrel comes threaded. If nothing else it's a conversation piece.

Disassembly for cleaning is straight forward and tool-free. The M9 A3 comes in a plastic carrying case with three magazines and the manual.

Yes, the Beretta is costlier than some other models. However, given how well it shoots and overall quality, I would say it is well worth the cost.

Who knows, maybe this will be the last one I'll buy?



Photos courtesy Beretta, USA.



## AHEIA Member/Instructor Receives Award

Phillip Faubion from Standard, Alberta has been a long time AHEIA volunteer and instructor. Phil began his tenure with us in February of 1988 when he became certified as an Alberta Conservation and Hunter Education instructor and helped bring the hunter education program to his community and surrounding area.

In 2007, Phil became a certified Canadian Firearms Program instructor. This new certification allowed him to offer even more to his community. He is also a frequent volunteer at our youth camps and other AHEIA events.

This year Phil received some special recognition to add to his list of accomplishments. He has been a volunteer fireman in Standard for a very long time and has transitioned into becoming the Fire Chief. On Sunday, May 27 Phil travelled to Edmonton for a Government of Alberta awards ceremony where he received the Fire Services Exemplary Service Medal for 40 years of loyal and exemplary service to public safety in Canada. The award was presented by Her Honour, the Honourable Lois E. Mitchell, Lieutenant Governor of Alberta. Phil now has received the 20 year, 30 year and 40 year awards.

Over his volunteer career he has also received additional awards. The Federal Government awarded fire chiefs, including Phil, with the special Canada 150 Award, and he has been awarded the Emergency Services of Alberta Awards for 12, 22, 32 and 40 years of service.

Congratulations to Phillip Faubion. Keep up the great volunteer work.



Len Gransch, Program Coordinator, AHEIA Red Deer - North



**“If you’re in a harsh, hot or cold, dusty, and dirty environment,  
you should clean your firearm.”**

# Firearms Field Cleaning and Field Care

By Chuck Strong



**Chuck Strong**  
Assistant  
Program Coordinator  
A.H.E.I.A. - Edmonton

Field cleaning is a basic cleaning to get the residue out of your rifle while you’re out in the field. On a typical day’s hunt in Alberta you can experience any of these conditions: rain, snow, hot, dry and dusty. With rain and snow, you may have introduced moisture into your firearm and, if it is cold, you may develop condensation in the bore of your firearm. When it’s hot and dry, dust may create a problem in the firearm. If you’re in a harsh, hot or cold, dusty, and dirty environment, you should clean your firearm.

Too often we put the cleaning of our rifle or shotgun on the back burner. Not a good idea. You’re tired after hunting a whole day and you want to eat and get some

rest, so you figure your firearm looks ok and you make the decision that you will do it tomorrow. That type of attitude has ruined many a hunt and firearm.

You’re out in the woods or prairie for a day, a week, or more for a fall/early winter deer or waterfowl hunt. It’s cold. You’ve got a steel rifle or shotgun, and after a whole day, you come in to a warm cabin. The same thing that happens to your glasses as they fog up happens with a firearm. It forms condensation, and that’s a killer for a firearm. You have made a significant investment in your firearms, and if you don’t take care of them, they won’t work properly, if at all.

No need to totally strip down your rifle. Whatever you do, don’t put it in a case, and at least wipe it down with a gun wipe or silicone cloth and leave it out overnight. This daily procedure will keep your firearm in the shape you need for the entire season.

If you’re not in a place where you can set out all your supplies, like your gun vise and cleaning rod, and take the time to give your gun a good cleaning, here are some items you can utilize to take care of your firearm in the field.

Safety should be your first concern when cleaning your rifle, whether you are at home or in the field.

Prior to cleaning you should always unload your firearm and PROVE it safe.



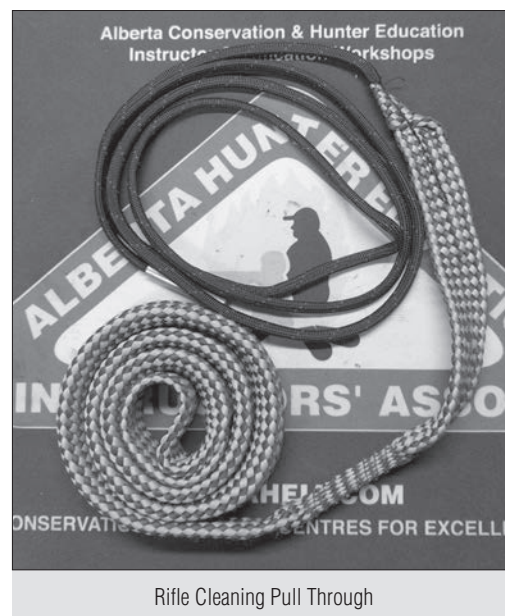
**“ You have made a significant investment in your firearms,  
and if you don’t take care of them, they won’t work properly,  
if at all ...**

**Treat your firearms well,  
and they will never let you down. ”**

## 1. Rifle Cleaning Pull Through

- The pull through will clean moisture and dust from the bore of your rifle or shotgun.
- Drop the weighted end of an oiled pull through down the barrel and pull through the bore, out the muzzle.
- Do that 2-3 times, and you’re good to go.

**Tip:** Before you go on your trip, lay your pull through on your bench and wet the first 1/3 of it with a bore cleaner/oil combination. Then coil it up and put it in a ziploc bag.

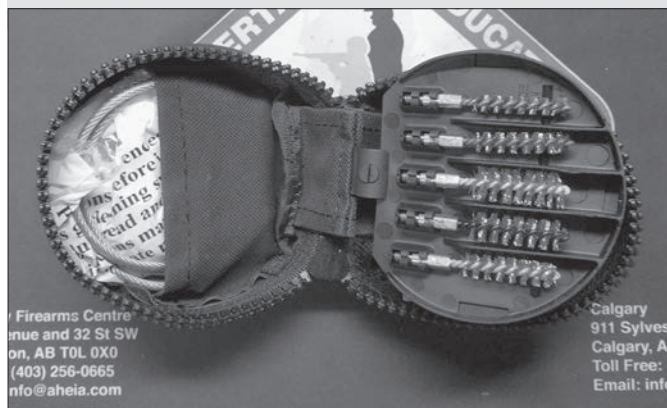




Shotgun Cleaning Pull Through



Cable Cleaning Set



Silicone Gun Wipes and Gun Oil Wipe Down Cloth



Scope Lens Cleaner



Universal Gun Tool

## 2. Shotgun Cleaning Pull Through

For shotguns it's a good idea to give them a good cleaning after a day of hunting. If you're duck hunting, for instance, your shotgun will get wet, and residue builds up quickly in the tube and mechanism. Every night after the hunt, clean your shotgun so it's ready, dry and operational for the next day.

## 3. Cable Cleaning Set

While out in mud and snow there is a good chance mud may get stuck in the end of your barrel, no matter how careful you are. You must clean it out or, upon firing, your gun barrel may burst! This can all be avoided by carrying a handy cable cleaning rod kit.

## 4. Gun Oil Wipe Down Cloth and Silicone Gun Wipes

These will wipe moisture and fingerprints off the finish that may cause rust and will also leave a light coating of oil to help repel moisture in wet and snowy conditions.

## 5. Scope Lens Care

Scope care is also an essential part of field care for your firearm. If dirt, mud or snow gets on the lenses, they will need to be cleaned correctly or you may scratch them. Some field kits come with lens care spray and wipes. You can also carry a lens pen that will aid in cleaning your scope lenses.

## 6. Universal Gun Tool

One last piece of equipment that should be in your backpack when going into the field should be a universal gun tool. There is nothing worse than having to cut your hunt short because a scope comes loose or you need to do some minor repairs to your firearm in the field.

**Note:** When you get home from your trip you will still want to give your gun a good cleaning. A quick and easy field cleaning will help you to keep your firearm relatively clean, lubricated and water-resistant, but it won't take out the heavy copper or carbon deposits like a good deep-cleaning at home will.

Treat your firearms well, and they will never let you down.



Lens Pen



# Women's & Youth Leagues

All abilities welcome, including those who have never held a gun before!



## Summer 2018 Session

July 4, 11, 18, 25, August 1, 8

## Fall 2018 Session

September 5, 12, 19, 26

Cost is \$60.00 per session.

Firearms, eye and ear protection included.

An AHEIA membership is required  
and can be purchased onsite.

Sessions held at the Calgary Firearms Centre,  
242 Avenue and 32 Street SW, DeWinton, AB  
[www.AHEIA.com/calgaryfirearmscentre](http://www.AHEIA.com/calgaryfirearmscentre)

To register or for more information  
contact Allan Orr at 403.252.8474  
or email [allan@aheia.com](mailto:allan@aheia.com)



A Call For Your  
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**Membership: \$35.00/year**



# 2018 AHEIA CHARLES BOSWELL SHOTGUN RAFFLE

**DRAW DATE: FRIDAY, FEBRUARY 15, 2019**  
Calgary Conservation Education Centre For Excellence



**Tickets**  
**\$20**  
**each**

## MATCHED PAIR OF CHARLES BOSWELL 20 GAUGE O/U SHOTGUNS

Boxlock actions with sideplates, single selective triggers and non-automatic safeties. Both firearms are engraved with Scroll & Bulino Style game scenes. Comes with Case2.

Appraisal Value for both: \$19,500.00.

\* In order to take possession of this prize, the winner must have a valid PAL.

## ONE LUCKY WINNER WILL RECEIVE THE PAIR!

### CALL TODAY TO PURCHASE YOUR TICKETS!

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**780.466.6682 • 1.866.282.4342**

edmontoninfo@aheia.com

Licence #485437. 2000 Tickets Printed.



# Great Meals from the Harvest

*with Len Gransch*



Len Gransch  
Program Coordinator  
AHEIA Red Deer - North

## Slow Cooker Moose Brisket

- 1 three pound moose brisket
- 1 teaspoon olive oil
- 1 tablespoon dried basil
- 1 small onion (chopped)
- 2 teaspoons fresh garlic (chopped)
- 1 cup water
- 2 cups good quality chicken broth
- Hot sauce to taste
- 1 teaspoon Worcestershire sauce
- Salt and pepper to taste

Lightly coat the inside of the slow cooker with the olive oil.

Season the brisket with salt and pepper and place on the bottom of the slow cooker. Cover the brisket with the onion, garlic, Worcestershire sauce, hot sauce and basil. Pour the chicken broth and water over the brisket.

Cover and cook on low until the brisket is tender. This could take 6-10 hours, depending on your cooker. Make sure you baste every hour. The wait is worthwhile.

Serve with mashed potatoes and corn on the cob (when available) or your favourite vegetable. You just know that a glass of good red wine will be the perfect accompaniment.

## Venison Breakfast Sausages

- |                            |                                  |
|----------------------------|----------------------------------|
| 1 pound ground venison     | 1/2 teaspoon ground ginger       |
| 8 ounces bacon (minced)    | 1 tablespoon ground dry sage     |
| 1/2 teaspoon onion powder  | 1/2 teaspoon garlic powder       |
| 1/4 teaspoon sweet paprika | 1/4 teaspoon fresh ground pepper |

In a large bowl combine the venison, bacon, sage, paprika, garlic powder, onion powder, pepper and ginger.

Mix well. Shape into 12 patties using about 1/4 cup of the mixture per patty. Place patties on a plate, cover with plastic wrap and place in the refrigerator. The flavor will intensify if you leave them for at least 24 hours before using.

Pan fry the patties or freeze for use at a later date.

This recipe works well with any type of ground wild game meat.

Enjoy!



# Alberta Traditional Bowhunters Association Conservation Education Bursary Program Raffle

## Alberta Traditional Bowhunters Association



Prize: Custom made bow of your choice by legendary craftsman Abe Penner of Cari-bow. Included in the package is a Thunderhorn Quiver, and 3 dozen arrows. All proceeds go toward the ATBA college bursary program. Check the bursary program out at [albertatraditionalbowhunters.ca](http://albertatraditionalbowhunters.ca)

Draw Date: Sunday Aug 5<sup>th</sup> 2018  
Eckville, Ab.  
At The Heritage Classic Jamboree  
Legal Land SW - 12 -40 - 4 - W5  
Call 780-852-8445

Tickets Are \$10.00 Each  
And There Are 1000 Tickets Printed.

Licence # 468442

Win a custom made bow, quiver and three dozen arrows while supporting the ATBA College Bursary Program!

The ATBA has established two bursaries, one at the University of Lethbridge and one at Lakeland College, which support students who are in their third and fourth years in conservation related programs.

The ATBA asks for your support by purchasing a Cari-bow raffle ticket. Abe Penner, master bowyer from Manitoba and maker of the Cari-bow, has donated a custom bow with the understanding that all proceeds from the raffle go towards the ATBA bursary programs.

Tickets can be purchased at AHEIA's Calgary office or by visiting [www.albertatraditionalbowhunters.ca](http://www.albertatraditionalbowhunters.ca).

Thank you for your support of education programming and conservation!

Mitchell Elser, ATBA Membership Director



## Specialty Field Shotgun Raffle Winner

Drawn May 25, 2018 at the Calgary Conservation Centre for Excellence.  
Licence #475908.



**Aaron Eagan**

is the proud winner of this Benelli 828 U 12-gauge shotgun.  
Retail value: \$3,675.00

***Congratulations!***

To register as a mentor or mentorship participant, please visit the  
**Hunting for Tomorrow** website  
at [www.huntingfortomorrow.ca](http://www.huntingfortomorrow.ca)  
or [www.aheia.com](http://www.aheia.com) for more information.



**HUNTING  
FOR TOMORROW**



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**Alford Lake  
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**Grounds and Facility  
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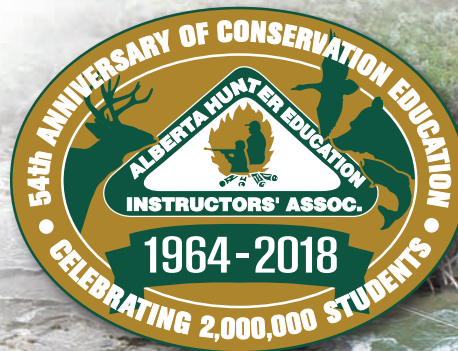
**Assistant  
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# Are you looking for a career in Conservation Education?

For more information on  
any of these employment  
opportunities visit

**AHEIA.com**

under Employment Opportunities







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