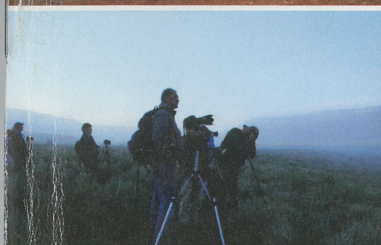
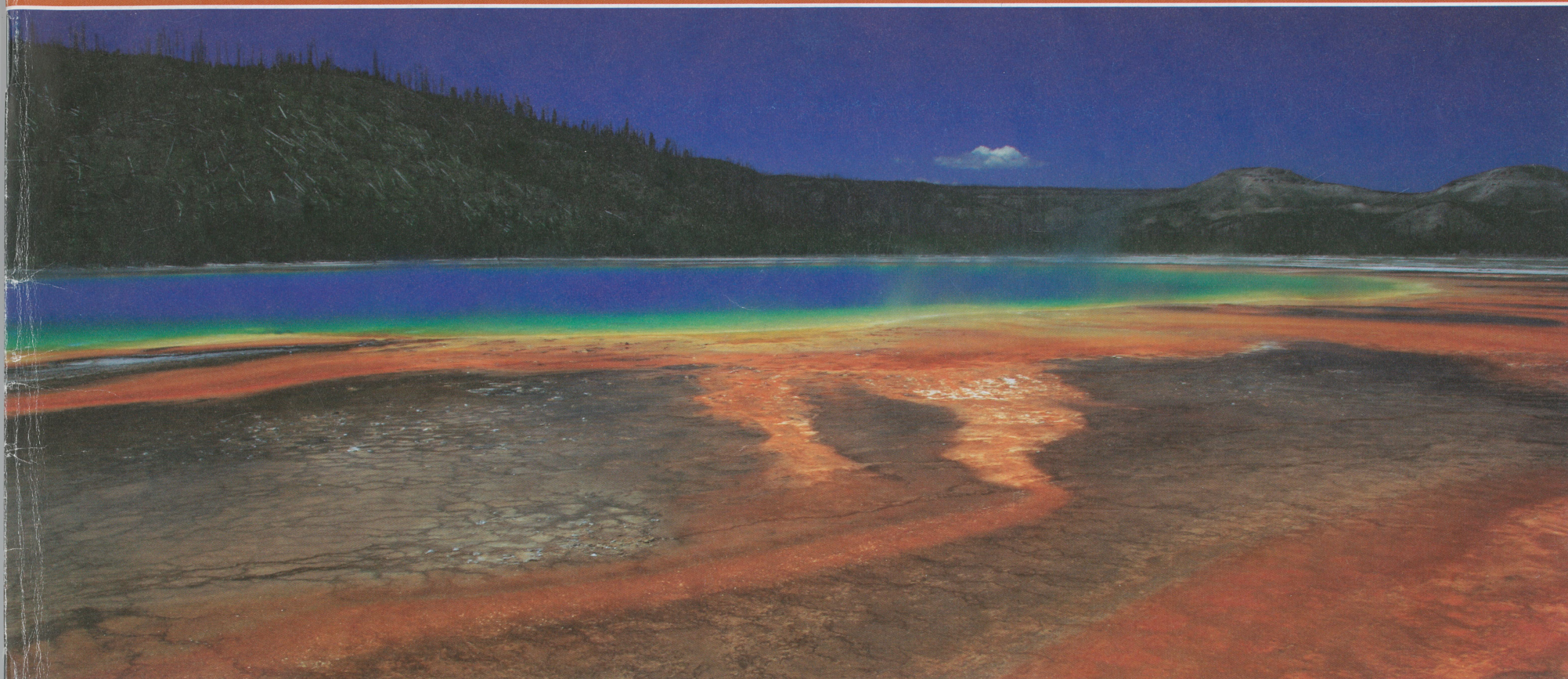




YELLOWSTONE
ASSOCIATION
INSTITUTE

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YI Collection

EDUCATIONAL PROGRAMS * SUMMER 2007



I N S P I R E . E D U C A T E . P R E S E R V E .

www.YellowstoneAssociation.org

WELCOME TO THE YELLOWSTONE ASSOCIATION INSTITUTE

The mission of the Yellowstone Association, in partnership with the National Park Service, is to foster the public's understanding, appreciation and enjoyment of Yellowstone National Park and its surrounding ecosystem by funding and providing educational products and services.

To help visitors understand the entire Yellowstone ecosystem, we offer courses on the Gallatin, Caribou-Targhee, Shoshone, and Bridger-Teton National Forests under a special use permit.

REGISTRATION

Registration for Yellowstone Association members begins January 8 at 8 a.m. and January 16 for non-members. Register by phone at 307-344-2294 or online at www.YellowstoneAssociation.org. Lodging & Learning registration has begun; call 307-344-5566 for reservations.

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COVER PHOTOGRAPHY: Karen Withrow, Pam Cabill.



A Message from Yellowstone's Chief of Interpretation

Since 1933 the nonprofit Yellowstone Association has been the National Park Service's primary partner in education at Yellowstone National Park. The Yellowstone Association Institute was established by the Yellowstone Association in 1976 to provide in-depth educational programs for park visitors. Since that time the Institute has distinguished itself as a top quality program with expert instructors and a strong commitment to park stewardship. I am proud to introduce the 2007 catalog of courses, and I hope you will join the Institute for what is sure to be a memorable and rewarding educational experience here in Yellowstone National Park.

Sincerely,
Diane Chalfant
 Chief of Interpretation

Visit our website at www.YellowstoneAssociation.org or call 307-344-2294.

SUMMER 2007 EDUCATIONAL PROGRAMS

WHICH OF OUR PROGRAMS IS RIGHT FOR YOU?

LODGING & LEARNING PROGRAMS mix just the right amount of education and recreation on your vacation. You'll be based at park hotels and taught by naturalist guides who are intimately familiar with Yellowstone. If you want a vacation package that covers almost all you'll need and provides fun and discovery, Lodging & Learning Programs are for you. See page 4.

FIELD SEMINARS are educational experiences that go deep! Taught by researchers, field biologists, and other experts, field seminars focus on specific subjects such as predator/prey relationships, vegetation of the park, illustrating the wild, and observing wildlife. You'll be amazed at how much you can learn in one to four days. See page 8.

We offer two different settings for field seminars:

- Our Lamar Buffalo Ranch campus is based in the quiet northeast corner of the park, far from other development. You share a cabin with up to two other participants, and prepare your own meals in the group kitchen. **LAMAR TITLES APPEAR IN BROWN.**
- Courses based in and around the park take advantage of vast learning opportunities throughout the Yellowstone region. You stay in hotels at various park locations and in gateway communities, and enjoy the restaurants and amenities of these areas during your learning experience. **REGIONAL TITLES APPEAR IN GREEN.**

YELLOWSTONE ED-VENTURES offer private educational programs that immerse you, your family, or other small group in Yellowstone's wonders. You choose the program that best fits your group's itinerary and interest—whether it's a one-day tour or a combination of programs for a multi-day experience. Institute naturalist guides introduce you to Yellowstone, provide advice about making the most of your visit to the park, and lead you on your adventures. See page 7.

BACKPACKING COURSES take you on a learning adventure in the vast wilderness of the Yellowstone area. Designed to be both light on the land and educational, backpacking courses are taught by a professional outdoor leader and a content expert. If you are physically fit and can carry your own gear and prepare your own meals, then venture into the Yellowstone backcountry on one of these courses. See page 27.

HOW FIT DO YOU NEED TO BE?

Institute courses are based in the field, and most require you to be an active participant. If you take part on a field outing, you will need to carry a daypack—food, clothing, water, and other essentials—that generally weighs up to 15 pounds. You will be exercising at elevations of 5,000 to 12,000 feet. Activities at these altitudes are more strenuous than the same activities at lower altitudes, and some people can experience associated health complications. To help you decide which course is best for you, we have developed a rating system that takes into account a hike's distance, pace, elevation gain, and terrain. Please note that these ratings are only guidelines: What is labeled "strenuous" might be routine for a very fit visitor while a "moderate" course might be quite difficult to a non-hiker who lives at sea level. For the most precise information about each activity and/or the effects of Yellowstone's altitude or environment, please refer to your student letter or contact the Institute Registrar at 307-334-2294.

 **MINIMAL ACTIVITY**—Leisurely hikes up to 1 mile per day through relatively flat terrain on maintained trails.

 **EASY**—Hikes up to 3 miles per day with elevation gains of up to 250 feet. Some off-trail hiking is possible.

 **EASY TO MODERATE**—Brisk hikes of up to five miles per day with occasional elevation gains up to 500 feet in undulating terrain.

 **MODERATE**—Brisk aerobic hikes of up to eight miles per day with climbs up to 1,000 feet on dirt trails. Loose rocks, uneven footing, and off-trail hiking are possible. Good coordination is recommended.

 **STRENUOUS**—Brisk aerobic, destination-oriented hiking of up to 12 miles a day. Elevation changes of up to 2,000 feet on dirt trails or off-trail; loose rock, uneven footing, steep hillside traverses, and stream crossings are possible. Good coordination is required.

SUMMER 2007 LODGING & LEARNING PROGRAMS

Explore the best of Yellowstone National Park with one of our award-winning Lodging & Learning Programs. By day you'll explore Yellowstone with a fun and knowledgeable naturalist guide from the Yellowstone Association, the official educational partner of the National Park Service. Each night you'll return to park hotels for excellent meals and comfortable accommodations provided by Xanterra Parks & Resorts®, the official concessioner for Yellowstone National Park hotels. All programs include expert instruction, breakfast and box lunches, in-park transportation, and optional evening programs by the National Park Service or Xanterra. Programs have a limit of 10 to 14 participants per session. The minimum age is 12 unless otherwise stated. Rates are per person and do not include taxes. Members of the Yellowstone Association receive a \$10 discount per person.

SO HOW DOES THIS ALL WORK?

To register or for more information about Lodging & Learning Programs, call Yellowstone National Park Lodges at 307-344-5566, 8 a.m. to 5 p.m., seven days a week, Mountain Time. Programs fill fast so register early. A 50% deposit, payable by check or major credit card, is required within two weeks of registration.

You'll receive a confirmation with a student letter, clothing and equipment list, park entrance pass, and personal data forms you need to fill out and return right away. These help us get to know you better so we're prepared for your arrival.

You must pay the balance of 50% program cost 30 days prior to your arrival, otherwise your reservation will be cancelled.

You are responsible for transportation to and from the location where the program begins.

CANCELLATION & REFUND POLICY FOR LODGING & LEARNING PROGRAMS

Your deposit is fully refundable if you cancel at least 60 days prior to arrival. Cancellations made between 60 and 30 days prior to arrival will result in a 50% penalty of the package cost. Cancellations made inside 30 days prior to arrival will result in a penalty of the total package cost. If we cancel, you will receive a full refund. We cannot make exceptions to the refund policy for any reason including but not limited to illness, travel delays, emergencies, or weather. We recommend that you purchase accident, baggage, and trip cancellation insurance through a travel agent or website such as www.TravelGuard.com. Travel insurance can help protect you against financial loss if you must cancel or interrupt your trip.



Photo: Karen Withrow

In Cooperation with the Park County Travel Council.



Photo: NPS

SPRING WOLF & BEAR DISCOVERY



This is your opportunity to delve into the world of Yellowstone's wolves and bears. You'll join a naturalist guide for sunrise trips in Yellowstone's Northern Range to look for these charismatic carnivores. During the day, you'll take short hikes in their habitat, learning about their behavior, ecology, and conservation. Your program fee includes dinner the last night. ☀

Dates:

3-day programs offered May 12, 15, 18, 21, 24, 27, 30, June 2, 5, 8, & 11

Lodging:

4 nights at Mammoth Hot Springs

Rates:

\$579 Double Occupancy
\$783 Single Occupancy

OLD TIMES ON THE GRAND TOUR



Take the famous and historic Grand Tour of Yellowstone. You'll visit cultural sites from Yellowstone's past, take walking tours of historic and thermal areas, and make stops to view wildlife and learn about their natural history. Along the way, you'll enjoy a special one-day tour in one of the classic yellow touring cars of the early 20th century. To complete each day of history and sightseeing, you'll stay overnight in three historic areas—Mammoth, Old Faithful, and Lake. ☀

Dates:

5-day program offered May 15, 22, September 25, October 2

Lodging:

2 nights each at Mammoth Hot Springs, Old Faithful Snow Lodge, Lake Hotel

Rates:

\$1,089 Double Occupancy
\$1,581 Single Occupancy



Photo: Karen Withrow

SPRINGTIME IN WONDERLAND



Enjoy the quintessential Yellowstone experience in this spring program. By day, you'll explore the hidden secrets and sights of the park—wildlife watching in the Hayden Valley, walking along the rim of the Grand Canyon of the Yellowstone River, and touring the heart of the Yellowstone volcano. Each evening, you can relax in the elegant Lake Hotel, which sits on the shore of Yellowstone Lake and is listed on the Register of Historic Places. Your program fee includes dinner the last night. ☀

Dates:

3-day programs offered May 19, 24, 29, June 2, 7, 12

Lodging:

4 nights at Lake Village

Rates:

\$619 Double Occupancy
\$837 Single Occupancy

TRAILS THROUGH YELLOWSTONE



Lace up your hiking boots and sling on your backpack for four days of hiking, wildlife viewing, and discovery in the world's first national park. You'll be led by an Institute naturalist guide on carefully chosen hikes to explore Yellowstone's diverse landscapes throughout the park, from the geyser basins around Old Faithful to the Grand Canyon of the Yellowstone River. Search for elk, bison, grizzly bears, wolves, and other species on an evening wildlife viewing expedition. Be prepared to hike every day in this active program. Summer programs start at Grant Village. September programs start at Mammoth Hot Springs. ☀

Dates:

4-day programs offered Monday to Friday from May 28 to September 24

Lodging:

2 nights at Grant Village
2 nights at Mammoth Hot Springs

Rates:

\$649 Double Occupancy
\$874 Single Occupancy



Photo: Jen Rudolph

YELLOWSTONE FOR FAMILIES



SELECTED "BEST SUMMER FAMILY CAMP IN AMERICA" BY GOOD MORNING AMERICA AND FAMILY FUN MAGAZINE!

Experience the magic of Yellowstone with this unique learning adventure for families with children 8–12 years old. Led by an Institute naturalist guide, your family can explore canyons, waterfalls, and geyser basins, and enjoy activities together including animal tracking, wildlife watching, photography, painting, and hiking. During the program, your children can become Yellowstone National Park Junior Rangers. ☀

Dates:

4-day programs offered Monday to Friday and Friday to Tuesday from June 15 to August 17

Lodging:

4 nights at Mammoth Hot Springs or Grant Village

Mammoth Rates:

\$609 Double Occupancy
\$813 Single Occupancy
\$379 Each Child

Grant Rates:

\$649 Double Occupancy
\$895 Single Occupancy
\$379 Each Child

Members of the Yellowstone Association receive a \$10 discount.



Photo: Karen Withrow

FALL WOLF & ELK DISCOVERY



This is your opportunity to delve into the world of Yellowstone's wolves and elk. You'll join an Institute naturalist guide for sunrise trips to look for these charismatic mammals. Elk should be easy to find—they are gathered for their annual rutting season, which is full of drama. Wolves are more elusive in the fall, but with an insider's advantage you'll have a good chance to see them. During the day, you'll take short hikes in elk and wolf habitat, learning about their behavior, ecology, and conservation. Your program fee includes dinner the last night. *

Dates:

3-day programs offered August 31, September 7, 14, 21, & 28

Lodging:

4 nights at Mammoth Hot Springs

Rates:

\$579 Double Occupancy

\$783 Single Occupancy

ROOSEVELT RENDEZVOUS



The historic Roosevelt Lodge sits in the center of Yellowstone's Northern Range, where you can enjoy the arresting bugle of bull elk among the fall colors of aspen, willow, and cottonwood. During the day, you can search for wolves, enjoy a series of easy geology strolls in the Yellowstone volcano, challenge yourself on a vigorous guided hike, or do your own thing. At night, we convene in the main lodge for buffet-style dinners and entertaining evening programs. You'll stay in rustic but comfortable individual guest cabins. Each program has a limit of 52; daily field trips are in small groups. *

Dates:

4-day programs offered September 7, 11, 15

Lodging:

4 nights in private cabin, with bathroom facilities nearby

Rates:

\$629 Double Occupancy

\$755 Single Occupancy

AUTUMN IN WONDERLAND



From a historic base in the heart of a volcano, you can enjoy the quintessential Yellowstone in autumn. By day, you'll explore the hidden secrets and sights of the park—wildlife watching and autumn colors in the Hayden Valley, walking along the rim of the Grand Canyon of the Yellowstone River, and touring within the Yellowstone volcano. Each evening, you can relax in the elegant Lake Hotel, which overlooks Yellowstone Lake and is listed on the Register of Historic Places. Your program fee includes dinner the last night. *

Dates:

3-day programs offered September 24, 29, October 3

Lodging:

4 nights at Lake Village

Rates:

\$619 Double Occupancy

\$837 Single Occupancy

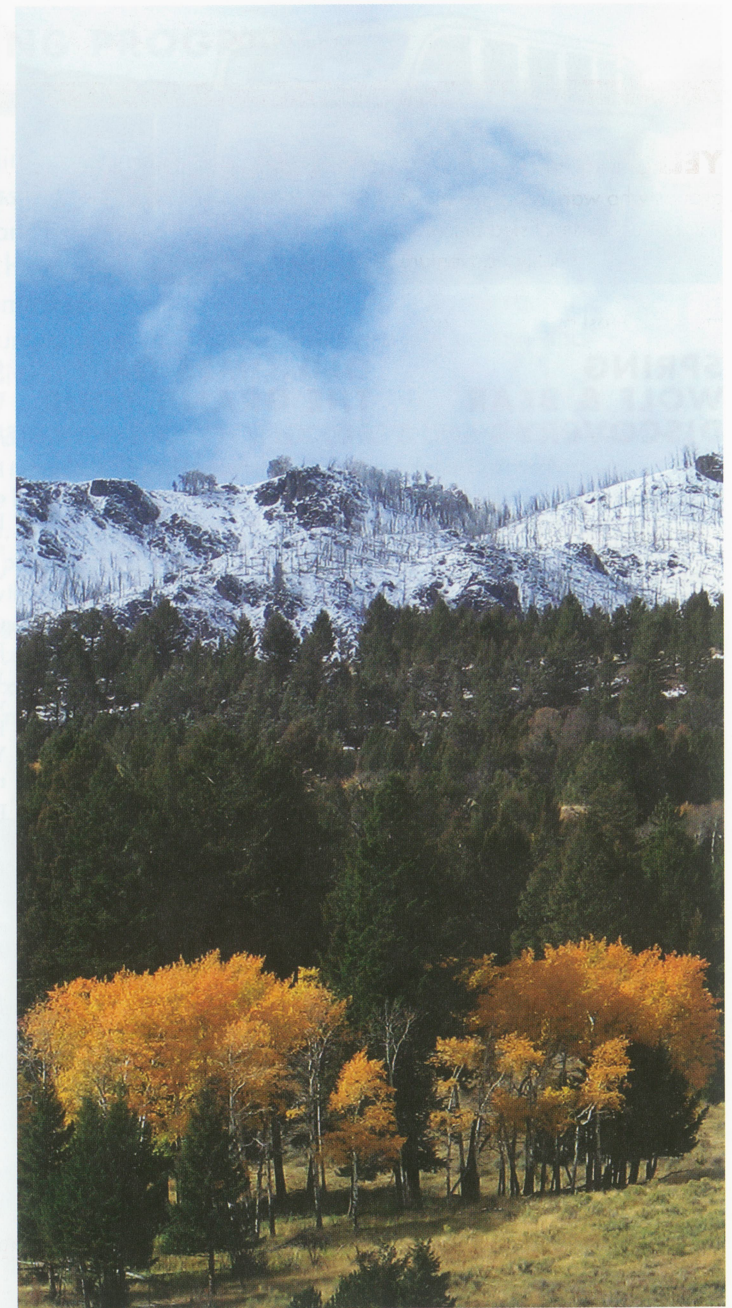


Photo: Pam Cabill

SUMMER 2007 PROGRAMS FOR PRIVATE GROUPS

YELLOWSTONE ED-VENTURES appeal to individuals, families, friends, or other small groups who want a private introduction to Yellowstone and a guided learning adventure. Choose from the four programs listed below to best fit your itinerary and interest—one for a day-long experience or several for a multi-day adventure. All programs will be tailored to your group's activity level and include an optional walk/hike. Your Institute naturalist guide will introduce you to Yellowstone, provide advice to make the most of your visit, and lead you into the wonders of the park. Yellowstone Ed-Ventures include expert instruction, in-park transportation, and snacks. Meals and lodging are not included.

WILDLIFE WATCHING ON THE NORTHERN RANGE

Start: 6 or 8 a.m. at Gardiner, Mammoth, Roosevelt, Lamar, or Cooke City

Discover the diverse and abundant wildlife of Yellowstone's Northern Range. Learn how to search for wildlife and how to use binoculars and spotting scopes effectively.

NATURAL HISTORY & GEOLOGY: YELLOWSTONE LAKE & GRAND CANYON OF THE YELLOWSTONE

Start: 8 a.m. at Gardiner, Mammoth, Canyon, Norris, or Lake

Explore the natural and geologic history of the Yellowstone Lake Area, and the spectacular Grand Canyon of the Yellowstone River. Search for wildlife in the bison-rich Hayden Valley, and learn about the Yellowstone volcano on easy geology strolls.

GEYSERS, MUDPOTS, & HOT SPRINGS: OLD FAITHFUL AREA

Start: 8 a.m. at Gardiner, Mammoth, Norris, Madison, or Old Faithful

From the center of the world's greatest concentration of hydrothermal features, take an in-depth look at how they form and why they do the things they do. You'll travel on boardwalks and easy trails, observing geologic features that reveal the wonders of Yellowstone's volcano.

DAY HIKE IN YELLOWSTONE

Start: 8 a.m. at Gardiner, Mammoth, Canyon, Old Faithful, Lake, Roosevelt, or Madison

Carefully chosen hikes explore Yellowstone's diverse landscape. Learn the basics of safe, low impact backcountry travel in grizzly country with a naturalist guide skilled in backcountry travel. Hikes are selected to match your group's ability level and interests.

LENGTH

Approximately 8 hours per day

DAILY TUITION RATES

1-5 participants \$495

6-14 participants \$625

15-28 participants \$1250

Rates effective through October 31, 2007.

**FOR MORE INFORMATION,
PLEASE CALL: 307-344-2294**

OTHER OPTIONS FOR YOUR PRIVATE GROUP

include backpacking trips and Lodging & Learning programs. To find out more, call 307-344-2591.



Photo: Karen Withrow

Members of the Yellowstone Association receive a \$10 discount.

FIELD SEMINARS

Enjoy focused educational experiences that closely examine individual aspects of the Yellowstone ecosystem. You'll learn about the park through the eyes of an animal tracker, a wolf biologist, a photographer, a geothermal scientist, and other noted experts, through just the right combination of field excursions and classroom presentations.

WE OFFER TWO DIFFERENT SETTINGS:

LAMAR BUFFALO RANCH FIELD CAMPUS: Far from other development in Yellowstone's quiet northeast corner, the Buffalo Ranch offers comfortable lodging in a remarkable wilderness setting. For just \$25 per night, you will enjoy cozy log cabins with propane heaters, a new bathhouse with private showers, and a common building with fully equipped kitchen and classrooms. You cannot camp at the Buffalo Ranch, and you cannot bring pets—but service animals are allowed. You are responsible for transportation to and from the Lamar Buffalo Ranch. An Institute staff person will greet you at check in and orient you to the facility. **LAMAR TITLES APPEAR IN BROWN.**

PARK HOTELS AND LOCATIONS THROUGHOUT THE YELLOWSTONE REGION:

These field seminars are based at hotels in the park and in gateway communities, with lodging, restaurant and other amenities available. For multi-day courses based at hotels inside the park, we have set aside a block of rooms that will be held until 30 days prior to the course. Call 307-344-5566 for rates and reservations. You are responsible for booking your own rooms and arranging for your own meals. Often, meals are enjoyed as a group, sometimes out in the field. You are responsible for transportation to and from the meeting locations, but transportation is provided during the day. **REGIONAL TITLES APPEAR IN GREEN.**

Please remember that these courses are for adults. Children over 15 may attend if accompanied by an adult. For most field seminars, you will need basic day-hiking supplies such as trail food, water, sunscreen, rain gear, daypack, plus notebook and pen or pencil. If you are a member of the Yellowstone Association, you'll receive a \$10 tuition discount.

EARNING UNIVERSITY CREDIT

You can earn one semester hour from Colorado State University (CSU) for field seminars marked "credit pending." On the first day of the course, you need to fill out a registration form and write a tuition check payable directly to CSU. Credit fees are approximately \$75 per semester hour and are in addition to the tuition and cabin fees. To receive academic credit, you may be required to successfully complete exams and other assignments. As an alternative, we are happy to provide you with a Letter of Certification after completion of the course, stating the focus of the course and the hours of instruction.

SO HOW DOES THIS ALL WORK?

To register or for more information about a Field Seminar, call us at 307-344-2294, 8 a.m. to 4:30 p.m., Monday through Friday or visit us online at www.YellowstoneAssociation.org. Courses fill fast so register early. Full payment is required at the time of registration. Online course requests are not final until confirmed by our registrar.

After you register, we'll send you a confirmation letter, a general welcome letter, park entrance pass, and personal data forms you need to fill out and return right away. These help us get to know you better so we're prepared for your arrival.

Approximately 30 days prior to your course, we'll mail you a student letter from your instructor. We will send these by email or regular mail, depending on what you requested when you signed up.

CANCELLATION & REFUND POLICY FOR FIELD SEMINARS

Payments are fully refundable, less a \$35 per course processing fee, if you cancel at least 60 days before the course. Tuition and cabin fees are non-refundable for cancellations received fewer than 60 days before the start of the course, unless your space can be filled. If we can fill your space, a refund will be made, less the course processing fee. As an alternative, we can credit your tuition and cabin fees to another course of the same type offered before October 1, 2007, on a space available basis. We reserve the right to cancel a course up to 30 days before the first class day. If we cancel, you will receive a full refund. We regret that the Institute cannot make exceptions to the refund policy for any reason, including but not limited to illness, travel delays, emergencies, or weather. We urge you to purchase accident, baggage, and trip cancellation insurance through a travel agent or website such as www.TravelGuard.com. Travel insurance can help protect you against financial loss if you must cancel or interrupt your trip.

Visit our website at www.YellowstoneAssociation.org or call 307-344-2294.



Photo: NPS



Photo: Pam Cabill



Photo: Karen Withrow



Photo: MacNeil Lyons

#501 NEW! RAPTORS RETURN



Start: April 27 at 7 p.m.
End: April 29 at 4 p.m.
Location: Gardiner, MT
Instructor: Terry McEneaney
\$180
Limit: 9
Credit Pending

Raptors are returning to their summer homes in Yellowstone—right in time for ground squirrels and other prey emerging from winter dens. Some raptors have wintered near by, others have spent the winter a continent away. As they settle in, you can observe them hunting, gathering nest material, and interacting with each other. You'll watch them from a distance so they aren't disturbed, and you'll visit a few nest sites well protected by natural barriers. Expect to see several species and to learn nuances of their identification, ecology, and behavior. *

#502 YELLOWSTONE'S PACK OF PREDATOR CONCERNS



Start: May 7 at 7 p.m.
End: May 10 at 4 p.m.
Location: Gardiner, MT
Instructors: James Halfpenny, Ph.D., Kerry Murphy, Ph.D. & Jim Garry, M.S.
\$325
Limit: 11
Credit Pending

Nothing in Yellowstone captures the human imagination more powerfully than the big three carnivores—lions, wolves, and grizzly bears. Add the largest weasel in Yellowstone, the wolverine, and you've got a pack of carnivores of great concern and intensive scientific study in Yellowstone National Park. You'll learn about these magnificent animals in classroom and field sessions led by ecologists who are working with these animals. You'll also enjoy sunrise and sunset wildlife watching with these experts. *

#503 INTO THE BEAR'S DEN



Start: May 11 at 8 a.m.
End: May 11 at 5 p.m.
Location: Gardiner, MT
Instructor: Kerry A. Gunther, M.S.
\$80
Limit: 12

The bears are awake and away from their dens—a great time to explore where they've spent the winter. You'll begin with a classroom overview of bear denning behavior and hibernation physiology, then hike to an unoccupied bear den. Along the way and during lunch, you'll discuss bear behavior, food habits, habitat use, predation, bear-human interactions, and nuisance bear management. Be prepared for a four-mile hike that begins with a strenuous, extremely steep section. *

#504 THE SPRING WILDLIFE SHOW



Start: May 14 at 9 a.m.
End: May 16 at 4 p.m.
Location: Gardiner, MT
Instructor: Gene Ball
\$240
Limit: 12

Winter departs slowly from Yellowstone, but with spring comes a wildlife show second to none. The stage is Yellowstone's Northern Range, which includes one of the world's great wildlife viewing areas, the Lamar Valley. You'll explore this area, which is home to wolf dens full of growing pups, red bison calves frolicking, bear mothers with their young in tow, ground squirrels scampering about, and sandhill cranes setting up their nests. You may even see one of the year's first elk calves. *

#505 WOLF NATIONS: DYNAMICS OF A RECOVERED POPULATION



Start: May 18 at 8 a.m.
End: May 20 at 4 p.m.
Location: Gardiner, MT
Instructor: Nathan Varley, Ph.D.
\$240
Limit: 12

What limits a wolf population? You'll find out as you hike among several wolf pack territories. Discover the natural checks and balances on wolf population growth; how packs organize themselves across the landscape; how they shift and change in size, composition, and location; and what these complex dynamics teach us about the wolf's role in the Yellowstone ecosystem. Each day you'll hike up to 5 miles off-trail to observation points where you might be able to observe some of the park's wolf packs. *



Photo: Sue Beachman



Photo: Karen Whithrow



Photo: Scott Morrison

#506 ARTISTIC FIELD JOURNALS IN YELLOWSTONE



Start: May 20 at 9 a.m.
End: May 23 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Eleanor Williams Clark, M.L.A.
\$335
Limit: 10

Explore the inspiring season of spring with the tools and skills of the artistic field journal. You'll spend early mornings and evenings in the field watching the events of the natural world unfold in the Lamar Valley. In the class, you'll use skins and mounted specimens to study the intricacies of fur and feathers. Add your experiences to the class's bound booklet, which you'll help produce during a session on bookbinding and the artistic elements of field journals. ☀

#507 WILDLIFE WATCHING IN GRIZZLY COUNTRY



Start: May 21 at 10 a.m.
End: May 23 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Gene Ball
\$240
Limit: 10

The grizzlies are out and about, which makes wildlife watching especially interesting now. You'll find out how to adjust and use spotting scopes and binoculars for safe viewing. You'll also learn to observe the park's many wildlife species unobtrusively and ethically while exploring their habitats. In between and during viewing sessions and a few high-elevation hikes, you'll discuss various wildlife topics, issues, and controversies. ☀

#508 WILDERNESS FIRST AID



Start: May 24 at 8 a.m.
End: May 25 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Wilderness Medicine Institute Staff
\$200
Limit: 24
Credit Pending

Do you spend a lot of time in the outdoors? Have you ever wondered how you would respond to a backcountry emergency? This 16-hour certification course is ideal for hikers, skiers, and outdoor professionals who want to learn the basics of emergency care in remote settings. You'll learn patient assessment, shock, wilderness wounds, fractures and dislocations, hypothermia, heat illness, altitude illness, and bites and stings. May be used to re-certify as a Wilderness First Responder. No previous certification is required. ☀

#509 FROM BISON TO BIGHORN: THE HOOFED MAMMALS OF YELLOWSTONE



Start: May 26 at 9 a.m.
End: May 28 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructors: Harold Picton, Ph.D. & Terry Enk, Ph.D.
\$300
Limit: 11
Credit Pending

Yellowstone visitors have a good chance of seeing bison and elk. But what about the other cud-chewing, hoofed mammals that inhabit the park? In this class, you'll learn about them all: elk, bison, mule deer, pronghorn, bighorn sheep, moose, mountain goats—and maybe see each of them. Through field observation, you'll examine their adaptations and their roles in the Yellowstone ecosystem. ☀

#510 BEHIND THE SCENES OF WOLF BEHAVIOR & ECOLOGY



Start: May 26 at 4 p.m.
End: May 28 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Jon Trapp, M.A.
\$180
Limit: 12

Step into the shoes of wolf biologists to better understand exciting new research and the complexity of wolf management. What effects have wolves had on coyotes, grizzlies, cougars, ravens, and vegetation in Yellowstone? What happens to wolves when they leave the protection of the park? You'll view wolves in the wild, visit original reintroduction sites, and delve into the ecology, politics, economics, and mythology of this keystone predator. Be prepared for time outdoors in cold, wet weather. ☀



Photo: Karen Whitthrow



Photo: Karen Whitthrow



Photo: Pam Cabill

#511 **NEW! CSI: YELLOWSTONE MAMMAL TRACKING**



Start: May 29 at 9 a.m.
End: May 30 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: James Halfpenny, Ph.D.
\$175
Limit: 12
Credit Pending

Put on your thinking cap and flip open your field notebook—it's time to learn how to be a professional natural history detective. Observe the clues in tracks and trails, ask the probing questions about behavior and habitat, and work as a team to prove (or disprove!) a mammal's presence and understand its behavior. Your goal is to reveal the true story behind the trails. Each morning begins with lectures about tracking, and then you're out into the field and the muddy, wet, down-to-earth work of following mammal trails. ☀

#512 **WE ARE NOT FOOLS YET! CROW TRIBAL CULTURE & YELLOWSTONE NATIONAL PARK**



Start: May 29 at 7 p.m.
End: May 31 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructors: Timothy P. McCleary & Alden Big Man, Ph.D. candidates
\$230
Limit: 11
Credit Pending

In this class led by an anthropologist and a Crow tribal historian, you will examine the importance of Yellowstone National Park to Crow people historically and today. Through a combination of classroom sessions and field trips to critical cultural sites, you will learn about the origins and history of Crow people, the Crow explanation of how natural features within Yellowstone National Park were created, child rearing and training, hunting and warfare, historic and contemporary Crow beliefs and practices in Yellowstone Park. ☀

#514 **ARE WOLVES WORTH THE EFFORT?**



Start: May 31 at 9 a.m.
End: June 1 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Douglas Smith, Ph.D.
\$160
Limit: 12
Credit Pending

Some people wonder if wolves are worth all the public attention and scientific research they are receiving. You can learn about the value of this attention to humans and to ecosystems in which wolves live by finding out what scientists are learning from long-term research in Yellowstone and other parts of the world. You'll learn about wolf natural history through field trips to observe them and to examine their scat, tracks, other sign, and carcasses they have killed. ☀

#601 **NEW! WITH YOUR HEAD & HEART: BE SMART & SAFE IN BEAR COUNTRY**



Start: June 1 at 9 a.m.
End: June 3 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Stephen Herrero, Ph.D.
\$240
Limit: 12

Spend three days with the man who literally wrote the book on staying safe in bear country, and you'll soon discover you are the subject of this course as much as bears. Learn to keep your senses sharp and your heart tuned to nature as you look for bears from the safety of a vehicle or the exposure of a trail. Discuss and see videos of their biology and ecology during class sessions; find out how you can protect bears by protecting yourself in their country. You'll still need to bring bear spray along on hikes, but now you'll better understand how to avoid using it. ☀

#602 **NATIVE TROUT CONSERVATION IN YELLOWSTONE**



Start: June 1 at 7 p.m.
End: June 3 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Bob Gresswell, Ph.D.
\$180
Limit: 12
Credit Pending

If cutthroat trout and other native sport fish are to survive in Yellowstone National Park and remain an ecologically significant component of the ecosystem, it will be through intensive efforts based on sound, defensible science. You can join this effort by participating in spawning stream surveys, stream inventories, native fish restoration activities, and other management and scientific projects. Most of your time will be spent on the streams and lakes of the park, but you'll have some class time to learn details about the trout and current issues making their management a true challenge. ☀



Photo: Karen Whitbrow



Photo: Pam Cabill



Photo: Karen Whitbrow

#603 BEARS: BONES, SIGNS & STORIES



Start: June 4 at 9 a.m.
End: June 7 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructors: James Halfpenny, Ph.D. & Jim Garry, M.S.
\$420
Limit: 11
Credit Pending

Ursophiles (Greek for "bear lovers") unite! Discover a uniquely broad view of bears from their evolutionary origins to interpretation of their sign to compelling renditions of classic bear tales. In lectures and the field, you'll learn about bear evolution, ecology, and management from carnivore ecologist Dr. James Halfpenny and the rich cultural history of bears from folklorist Jim Garry. Perhaps you'll see these magnificent bears during the field trips. ☀

#605 WOLVES AT THE DOOR: SUCCESSSES & CHALLENGES OF RECOVERY



Start: June 4 at 7 p.m.
End: June 6 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Diane Boyd, Ph.D.
\$180
Limit: 12

Late spring in the Lamar Valley presents a vivid backdrop for observing wolves and discussing the challenges they present both inside and outside the park. Each day, you'll have opportunities to observe wolves interacting with other wildlife, and to explore their habitat and look for their tracks and other sign. Through thoughtful discussions and illustrated presentations, you'll explore the challenges of wolf recovery including the science and emotions involved, wolf/prey/hunter dynamics, wolf-livestock conflicts, and wolf habituation to human activities. ☀

#606 THE CARNIVORE CONSERVATION CHALLENGE



Start: June 7 at 8:30 a.m.
End: June 9 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructors: Steve Primm, M.A. & Jason Wilmot, M.E.M.
\$300
Limit: 11
Credit Pending

Grizzly bears, gray wolves, Canada lynx, and wolverines are in dramatically different stages of recovery in the Greater Yellowstone Ecosystem. During field trips and lectures, you'll learn up-to-date information about the contentious crossroads facing grizzly bear recovery, the political controversies surrounding wolf recovery, and the formation of recovery plans for lynx and wolverine. You'll also explore the ecology and management of these and other Yellowstone carnivores. ☀

#607 WOLVES OF THE PAST, PRESENT, & FUTURE



Start: June 8 at 9 a.m.
End: June 10 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructors: James Halfpenny, Ph.D. & Jim Garry, M.S.
\$320
Limit: 11
Credit Pending

Discover a uniquely broad view of wolves from their evolutionary origins to interpretation of their sign to compelling renditions of classic wolf tales. In lectures and the field, you'll learn about wolf evolution, ecology, and management from carnivore ecologist Dr. James Halfpenny and the rich cultural history of wolves from folklorist Jim Garry. During field trips, you'll look for these magnificent canids and learn more about their restoration to Yellowstone. ☀

#609 PHOTOGRAPHY IN YELLOWSTONE: A FOUNDATION FOR CREATIVITY



Start: June 9 at 9 a.m.
End: June 12 at 4 p.m.
Location: Gardiner, MT
Instructor: Sandra Nykerk
\$330
Limit: 11

Yellowstone provides an unparalleled setting for learning and expanding your photographic skills. As you photograph its landscapes, wildlife, and geyser basins, you'll build a foundation of technical and creative photographic principles such as the ethics of nature photography, creative visualization, metering and exposure, and composition. You'll explore the differences between film and digital imaging, and the possibilities of macro photography. You should bring a 35mm SLR camera (either film-based or digital) with interchangeable lenses. You'll depart with technical excellence and a personal vision of photography. ☀



Photo: NPS



Photo: Karen Whitbrow



Photo: Karen Whitbrow

#610 SPRING WILDFLOWERS



Start: June 10 at 9 a.m.
End: June 11 at 4 p.m.
Location: Mammoth Hot Springs
Instructor: Jennifer Whipple, M.A.
\$160
Limit: 12

From the low-elevation sagebrush to high subalpine meadows, the northern portion of Yellowstone National Park is home to an extraordinary variety of wildflower habitats. In discussions with the park's botanist, you'll learn about wildflower lore, the influence of wildlife, and how climate and geology determine the park's vegetation. You'll learn to recognize wildflower families, genera, and species, including some rarely seen in the park. And you'll look for early blooming wildflowers, such as bitterroot and calypso orchid, by identifying and exploring their habitats. *

#611 THE MILITARY IN YELLOWSTONE



Start: June 13 at 8:30 a.m.
End: June 14 at 5 p.m.
Location: Gardiner, MT
Instructor: Lee Whittlesey, M.A., J.D., Ph.D. (Hon.)
\$160
Limit: 12
Credit Pending

Before the National Park Service came into being, the U.S. Army managed Yellowstone National Park for more than 30 years. Through class discussions and a walking tour of Fort Yellowstone, you'll examine the U.S. Army's tenure in Yellowstone National Park and discover why the troops were here, their successes and failures, why they left, and the legacy the Army left to the National Park Service. *

#612 IN CELEBRATION OF BIRDS



Start: June 15 at 7 p.m.
End: June 17 at 4 p.m.
Location: Old Faithful
Instructor: Katy Duffy, M.S.
\$180
Limit: 12

Do birds fascinate you? Do sweet bird songs make you smile? Then come enjoy Yellowstone's winged wonders. During the evenings, you'll learn the common birds of Yellowstone, including hawks, eagles, falcons and owls. The first day we'll look for these birds from Old Faithful out of the park to Quake Lake. The second day we'll search from Old Faithful to Lake to Mammoth Hot Springs. Along the way, you'll investigate specialized adaptations to habitats, how birds migrate, and why birds sing. *

#613 NEW! SEARCHING THE NATIVE STORE: PLANTS THAT FEED, CLOTHE, & HEAL



Start: June 16 at 9 a.m.
End: June 18 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Wayne Phillips, Ph.D.
\$240
Limit: 12

In centuries past, tribes came to Yellowstone to find the plants they needed for food, medicine, fiber, dyes, and ceremonies. You'll search for these same plants in Yellowstone's dry sagebrush valleys, lush mountain meadows, and coniferous forests. You won't be able to collect the plants, but you'll learn what they look like, what habitat they require, and how they were used by Shoshone, Bannock, Crow, Nez Perce, Blackfeet and other tribal people. *

#614 WOLVES—REALITY & MYTH



Start: June 16 at 7 p.m.
End: June 18 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructor: Nathan Varley, Ph.D.
\$180
Limit: 12

Immerse yourself in the ecological, cultural, and spiritual realm of the wolf through field observations and classroom discussions. As you search for wolves, explore the role their mythology plays in your relationship to these controversial carnivores. Plan on being in the field for sunrise and sunset each day and hiking in the morning or afternoon. *



Photo: Karen Whitbrow



Photo: Karen Whitbrow



Photo: Karen Whitbrow

#615 NATURE PHOTOGRAPHY IN YELLOWSTONE: THE DIGITAL IMAGE



Start: June 18 at 7 p.m.
End: June 22 at 4 p.m.
Location: Gardiner, MT
Instructor: Sandra Nykerk
\$350
Limit: 11

Using the many photographic opportunities in Yellowstone National Park as inspiration, you'll integrate the many aspects of digital photography into your photographic skill set. Explore the digital workflow from pixels to prints and learn the differences between film and digital cameras, and techniques of image editing and adjustment. You'll have time to practice these new digital skills in the field and the class. Bring a digital SLR camera with which you are familiar; you should also understand basic photographic principles. You'll be able to produce digital prints but will be responsible for lab fees. ☀

#616 NEW! POETRY IN YELLOWSTONE: A JOURNEY OF THE HEART



Start: June 19 at 9 a.m.
End: June 21 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Susan Zwinger, Ph.D.
\$240
Limit: 12

Wolves howl across the valley, their wild "words" echoing off the hills and sending shivers up your spine. Can you live up to these ultimate poets of Yellowstone? In this workshop, you'll find out how to transform exploration and observation into a poetic journey of the heart. You'll be working with an acclaimed writer who will lead you in exercises to hone your skills in metaphor, symbolism, voice, and rhythm. She'll introduce you to great poets and guide you into the wild Lamar Valley. Expect to create a half dozen or more poems during this unique workshop. ☀

#617 YELLOWSTONE TIME TRAVEL: HIKING INTO THE GEOLOGICAL PAST



Start: June 19 at 7 p.m.
End: June 22 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Robert W. Spoelhof, Ph.D.
\$260
Limit: 12
Credit Pending

Take a walk on any Yellowstone hiking trail and you will find lost worlds underfoot and all around—from ancient seas to explosive volcanism to a frozen Yellowstone capped by 4,000 feet of ice. Through illustrated presentations and hikes, you'll explore Yellowstone's rich geologic history that can be found by anyone venturing onto the park's trails. ☀

#618 PHOTOGRAPHING YELLOWSTONE'S SUMMER



Start: June 22 at 9 a.m.
End: June 24 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Tom Murphy
\$240
Limit: 12

Surrounded by the lively, colorful landscape of summer in Yellowstone, you'll learn photography techniques and philosophy. On early morning and evening field trips, you'll search for birds and their nests, and learn how to photograph them ethically and safely. You'll also photograph other wild animals, scenics, and the beginnings and endings of each day. Along the way, you'll discuss composition, ethics, and technical challenges. Bring your digital or film camera. This course is ideal for beginning to intermediate photographers. ☀

#619 LEARNING BIRDS BY SOUND



Start: June 22 at 7 p.m.
End: June 24 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructor: Terry McEneaney
\$180
Limit: 9

Challenge your birding skills by undertaking identification not with binoculars or field guides, but with your ears. Learn to identify bird songs, calls, chip notes, vocal clucks, quivering, fluttering, gaping, and even flying noises. Using intense concentration, you'll focus on the sounds of 30 species to form a sound learning foundation, and will learn approximately 20 more species. You'll spend most of your time in the field developing these difficult but rewarding skills. ☀

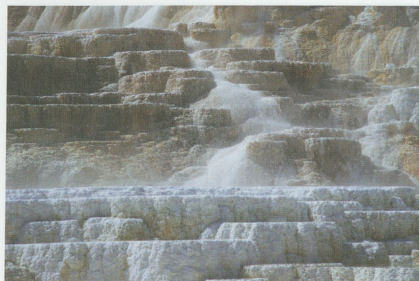


Photo: Karen Whithrow



Photo: Karen Whithrow

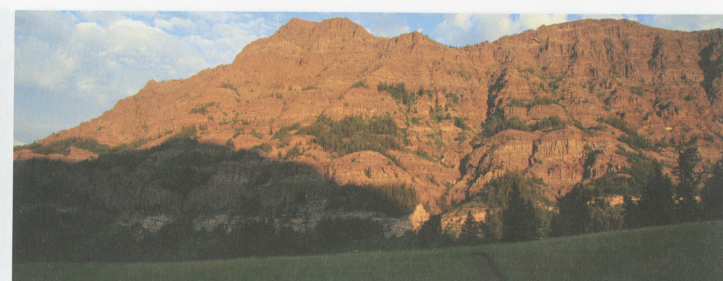


Photo: Karen Whithrow

#620

**YELLOWSTONE'S
GEOECOSYSTEM**

Start: June 23 at 8 a.m.
End: June 25 at 4 p.m.
Location: Mammoth Hot Springs, Lake Village
Instructor: Paul Doss, Ph.D.
\$240
Limit: 10
Credit Pending

Find out firsthand how geology puts the "system" in ecosystem by exploring the geologic controls so magnificently displayed in Yellowstone National Park. During field trips and brief lectures, you'll learn how geology controls the ecosystem—from entire landscapes to small hillside niches, from charismatic megafauna to microscopic plants and animals. You'll also discover the intricate interplay among volcanic and hydrothermal processes, rock types, hydrogeology, and the distribution of flora and fauna that make Yellowstone unique. Participants should have a small overnight bag for the stay at Lake on the second night. ☀

#622

**WILDFLOWERS
FOR BEGINNERS**

Start: June 24 at 8:30 a.m.
End: June 24 at 5 p.m.
Location: Mammoth Hot Springs
Instructor: William C. Edwards, Ph.D.
\$80
Limit: 12

More than 1,000 different kinds of plants add to the visual splendor of Yellowstone. During a full day in the field, you'll seek them out in meadows, forests, and along streams. Marvel at the visual spectrum they display, learn about their uses and how they were named, and discover how you can identify other flowers you may find in the park. ☀

#623

**WOLVES OF
THE WORLD**

Start: June 25 at 9 a.m.
End: June 26 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructors: Douglas Smith, Ph.D. & Christine Smith
\$200
Limit: 11
Credit Pending

In this comprehensive and intensive class, you'll learn about worldwide wolf population status, taxonomy, predator-prey relationships, relationships with other carnivores, morphology, and evolution. You'll also discuss controversies involving Yellowstone wolves, such as their interactions with humans and livestock. On field trips, you'll visit one of the acclimation pens used during wolf restoration, examine typical wolf habitat, and perhaps see wolves in the wild. ☀

#624

**FIELD
SKETCHING FOR
BEGINNERS: THE
ART OF NATURE
STUDY**

Start: June 25 at 9 a.m.
End: June 27 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructor: Meredith E. Campbell
\$240
Limit: 12

See more as the natural world unfolds for you in the pages of your own field sketch journal. By learning to sketch you'll begin to see things you have never noticed before. Sketching is a simple process of mechanics and basic geometry that everyone can learn, at any age. You'll learn and practice these skills as we explore the Lamar Valley and its habitats and creatures. ☀

#625

**NEW! MAP,
COMPASS, &
GPS: EXPLORING
YELLOWSTONE**

Start: June 26 at 9 a.m.
End: June 26 at 4 p.m.
Location: Old Faithful
Instructor: Orville E. Bach, Jr., Ed.D.
\$80
Limit: 12

A lake awaits—you can see it on the map, but how to get there? Learn the classic skills of map and compass navigation that have helped travelers for centuries find their way. Then turn on the GPS and discover the modern method of navigation by satellite. You'll use these skills to find that hidden lake and historic sites in the Old Faithful area. Navigation equipment provided. ☀



Photo: Bridget Lyons



Photo: Karen Whitbrow



Photo: Sue Beachman

#626 **NEW! FISH BONES & SCAT PILES: OTTERS IN THE WILD**



Start: June 27 at 8 a.m.
End: June 28 at 4 p.m.
Location: Lake Village
Instructor: Jamie Crait, Ph.D.
Candidate
\$160
Limit: 12

Secretive otters may not reveal themselves during this class—but you'll spend plenty of time looking for them. Along the way, you'll learn to identify their tracks and signs, investigate a den, and find out how they choose their habitats. You'll collect otter scat to dissect for clues to their prey. And in class sessions, you'll find out more about their role in the Yellowstone ecosystem, examine how the decline in cutthroat trout impacts them, and how humans affect them. No doubt you'll keep searching for these intriguing animals long after the class ends. ☀

#627 **MAMMOTH: 320 MILLION YEARS IN THE MAKING**



Start: June 27 at 8 a.m.
End: June 28 at 4 p.m.
Location: Mammoth Hot Springs
Instructor: Paul Doss, Ph.D.
\$160
Limit: 12
Credit Pending

In this field course, you'll unravel the unique geological history and development of the Mammoth travertine terraces and the surrounding landscape. During field trips and short hikes, you'll study the geology forming the Gallatin Range, the Lamar Valley, Norris Geyser Basin, and learn how they relate to the geologic history of Mammoth. You'll also see how geologic materials behave differently and you'll make specific geological, ecological, and hydrothermal observations in the backcountry. ☀

#628 **THE ART OF WILDFLOWER IDENTIFICATION**



Start: June 28 at 8:30 a.m.
End: June 30 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructor: Meredith E. Campbell
\$240
Limit: 12

Develop a new way to identify and remember the names of the diverse and beautiful wildflowers that enhance our world. You'll begin with a classroom session on basic botanical terminology, how to use beginner keys and field guides, and simple sketching techniques. Then you'll spend most of the time on short hikes to observe wildflowers and develop these new skills. With this knowledge and the observations that come with field sketching, you'll better understand and appreciate Yellowstone's wildflowers. ☀

#630 **YELLOWSTONE'S BUTTERFLY BOUNTY**



Start: June 29 at 9 a.m.
End: July 1 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Robert Anderson, Ph.D.
\$225
Limit: 12
Credit Pending

Flitting among bluebirds and bison, from mud puddles to lupine, butterflies abound in the Greater Yellowstone Ecosystem. You'll explore their varied habitats and see many of the nearly 130 species living here. Learn how their sensitivity to local environments and microhabitats have resulted in this rich array. As you watch them, you'll be able to study their field marks, flight characteristics, and preferred foods. Class and field discussions include details about their life cycles and other amazing attributes of these winged beauties. ☀

#631 **NATIVE TRAILS & TALES: A DAY HIKE ON THE BANNOCK INDIAN TRAIL**



Start: June 30 at 8 a.m.
End: June 30 at 5 p.m.
Location: Mammoth Hot Springs
Instructor: Rosemary Sucec, M.A.
\$80
Limit: 12

A web of well-worn pathways led American Indians to familiar locations within, through, and around present-day Yellowstone National Park. Led by the park's cultural anthropologist, you'll learn about these ancient highways as you walk portions of the Bannock Trail system. Examine the natural and cultural features along the trail and hear amazing accounts of tribes traveling these aboriginal park pathways. Throughout the day, we'll talk about other old trails in the park, such as the north-south Thorofare and Snake River trails, all of which are part of regional and continental trail systems. ☀

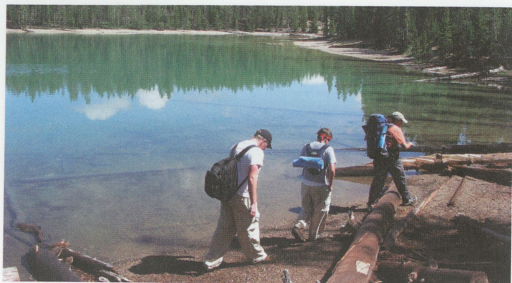


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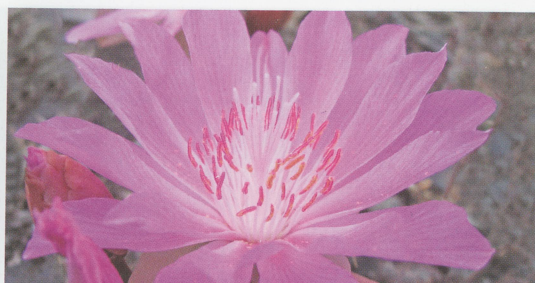


Photo: Pam Cabill



Photo: Karen Whitthow



Photo: Jenny Golding

#701 A TRAIL THROUGH LEAVES: THE ART OF THE ILLUSTRATED FIELD JOURNAL



Start: July 2 at 9 a.m.
End: July 5 at Noon
Location: Lamar Buffalo Ranch
Instructor: Hannah Hinchman
\$320
Limit: 12

Enter nature in a new way, through the exhilaration and creativity of an illustrated field journal. You'll learn to mix words and images with exploration and introspection to record your encounters with the natural world. Explore these techniques through early morning writing rambles, classroom and field instruction in basic drawing methods, creative mapping, design and color, and careful observation. You'll have ample time for solitude and for browsing in the instructor's extensive library. *

#702 DAY HIKING THE WILD YELLOWSTONE: NORTHERN RANGE AREA



Start: July 2 at 7 p.m.
End: July 5 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Julianne Baker, M.A.
\$260
Limit: 12

John Muir once exclaimed that Yellowstone is "wild enough to awaken the dead." More than 100 years later, Yellowstone's wild side is still out there waiting for you lace up your boots, leave the roadside, and hike into the backcountry. After an evening to review the basics of safe, comfortable, low-impact backcountry travel, you will hit the trail to soak up the history, geology, ecology, wildlife and wildflowers with stories, discussion, and hands-on exploration. Daily hikes will range from 8 to 12 miles with 2000-foot elevation gains, so come prepared to breathe the air that "is electric and full of ozone." *

#703 NEW! BEYOND THE TRAIL: IN-DEPTH FIELD JOURNALING



Start: July 6 at 9 a.m.
End: July 9 at 2 p.m.
Location: Lamar Buffalo Ranch
Instructor: Hannah Hinchman
\$320
Limit: 12

Your field journals are filled with sketches, small paintings, poetry, and observations. Now take your journal into the deeper realms of examining what you observe, detailing what you see, and wondering about what you can't see. Experiment with different ways of seeing—move as slowly as Thoreau watching sand rivulets or leap toward Moran's impassioned sketch-maps. This course is for experienced keepers of field journals; for a basic introduction, consider attending Hinchman's earlier class. *

#704 ALPINE WILDFLOWERS OF THE BEARTOOTH PLATEAU



Start: July 6 at 7 p.m.
End: July 8 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: John S. Campbell, Ph.D.
\$180
Limit: 12
Credit Pending

High, windswept, and cold, the Beartooth Plateau seems inhospitable to wildflowers. In this field course, you'll discover the truth: the plateau is rich with wildflowers adapted to live at high altitudes. You'll learn about these alpine survivors, their ecological adaptations, and the distribution and ecology of tundra plant communities. *

#705 NEW! DRAWN TO YELLOWSTONE



Start: July 7 at 9 a.m.
End: July 7 at 5 p.m.
Location: Gardiner, MT
Instructor: Peter H. Hassrick, M.A.
\$80
Limit: 12

Artists have returned again and again to Yellowstone for inspiration, ever since Thomas Moran first revealed its visual power in his sketches and paintings of this vast region. You'll explore this history and its importance to Yellowstone through the eyes of a foremost expert on Western Art. Enjoy his illustrated discussion held at the new Yellowstone Heritage and Research Center, just down the slope from the Roosevelt Memorial Arch. Then enjoy an opportunity rarely available to the public—viewing some of the original paintings, prints, and sculptures in the Yellowstone National Park collection, which is housed down the hall from where you'll meet. *

#706 MAMMAL TRACKING: INTERPRETING TRACKS, SCAT & OTHER SIGNS



Start: July 9 at 9 a.m.
End: July 12 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: James Halfpenny, Ph.D.
\$350
Limit: 12
Credit Pending

Mammals are elusive and hard to observe in the wild, but you can discover their behavior in the signs they leave behind. Through illustrated lectures and laboratories, you'll learn about natural history, ecology, anatomy, gaits, track averaging, relative size, estimating track age and speed, print identification, finding clues, and following trails. During afternoons in the field, you'll put your learning into practice as you explore animal behavior by reading the stories that tracks tell. *

Members of the Yellowstone Association receive a \$10 discount.

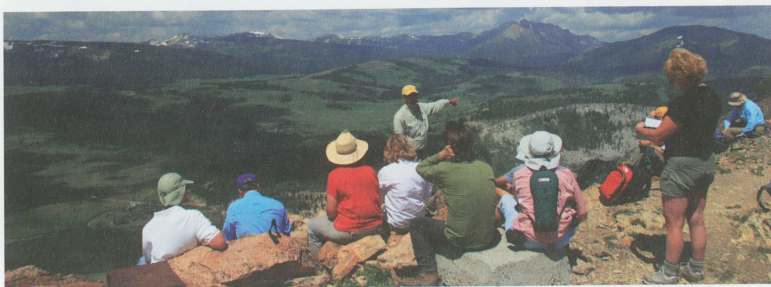


Photo: Karen Withrow

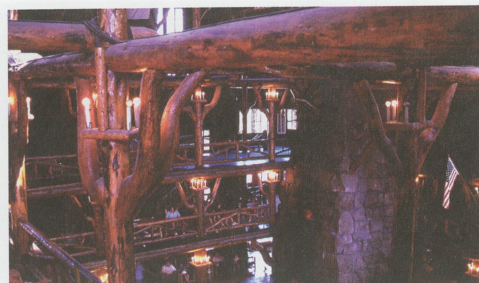


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#707

**YELLOWSTONE'S
WILDLIFE HISTORY**

Start: July 10 at 9 a.m.
End: July 12 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructors: Lee Whittlesey, M.A., J.D.,
Ph.D. (Hon.) & James Pritchard, Ph.D.
\$300
Limit: 11
Credit Pending

A tangled tale of cougars exterminated, bison protected, fish propagated, bears degraded, and wolves restored—the history of wildlife in Yellowstone includes some of the park's finest moments and darkest hours. You'll examine this history using documents from the Yellowstone National Park archives, visiting historic sites, and discussing the issues with two historians intimately familiar with Yellowstone's wildlife. Find out how this history has shaped how the world views wildlife, national parks, and nature itself. ☀

#708

**DAY
HIKING THE WILD
YELLOWSTONE:
LAKE VILLAGE**

Start: July 10 at 7 p.m.
End: July 13 at 4 p.m.
Location: Lake Village
Instructor: Julianne Baker, M.A.
\$260
Limit: 12

From the top-of-the-world views on Avalanche Peak to the scenic shores of Shoshone Lake, Yellowstone's interior offers an outstanding diversity of backcountry hiking. After an evening to review the basics of low-impact backcountry travel, you will hit the trail to soak up the history, geology, ecology, wildlife and wildflowers with stories, discussion and hands-on exploration. Daily hikes will range from 8 to 12 miles, with possible 2000-foot elevation gains, so bring the boots that are your feet's best friend. In the evening, rest in the comfort of the historic Lake area. ☀

#709

**NEW!
EMERGING
KNOWLEDGE OF
WOLVES**

Start: July 12 at 7 p.m.
End: July 15 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructors: Nathan Varley, Ph.D., Dan MacNulty, Ph.D. Candidate & Dan Stahler, Ph.D. student
\$325
Limit: 24

In this unique seminar, you'll discover the latest results of three leading wolf researchers. Their work is revealing answers to questions such as: Are wolves changing elk numbers and distribution? Does this affect elk hunting by humans? Will these changes trickle down to alter willow and aspen communities? You'll also see how genetic work has revealed the entire Yellowstone wolf family tree and study how wolves hunt their prey. Each instructor will lead small groups into the Northern Range each morning and evening to see these results in action. ☀

#710

**OLD TIMES
AT OLD FAITHFUL**

Start: July 14 at 9 a.m.
End: July 14 at 5 p.m.
Location: Old Faithful
Instructor: Leslie J. Quinn, M.Ed.
\$80
Limit: 20

Imagine diving into a swimming pool as Old Faithful erupts, or enjoying hothouse flowers in your room at the Old Faithful Inn. You'll explore these long-gone experiences through site visits, antique photographs, and discussions with a park hotel expert. You'll also visit current places important to the cultural history of Old Faithful village, such as the Inn, the Lodge, and the two general stores. Find out what happened to the Haynes Photo Shops, why the Upper General Store is nicknamed the B.A.C., and other interesting details about Old Faithful village past and present. ☀

#711

**GHOST
HOTELS OF
YELLOWSTONE**

Start: July 15 at 8 a.m.
End: July 15 at 5 p.m.
Location: Old Faithful
Instructor: Leslie J. Quinn, M.Ed.
\$80
Limit: 12

Did they really build a hotel in Yellowstone and never open it? Has Old Faithful Inn lost 51 rooms since it opened in 1904? Which hotel was slated to have a "drive through" installed for automobiles? In this field class, you'll discover the answers to these and other questions. As you tour the sites of Old Faithful, Fountain, Marshall's, Norris, Canyon, and Lake hotels, you'll envision the scenes through antique photographs and learn the hotel histories from a park hotel expert. You might even discover some ghosts among the current hotels. ☀



Photo: Karen Withrow



Photo: Karen Withrow



Photo: Karen Withrow

#712 **NEW!** HONING THE VAGUE VERB, & OTHER TIPS FOR WILD WRITERS



Start: July 16 at 9 a.m.
End: July 18 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Tim Cahill
\$240
Limit: 12

Almost there, but not quite? Bring ten pages of an essay or other writing to transform into a piece that magazine editors relish. Learn the secret to consistently outstanding work from this well-known and widely-published writer. Search for that secret in each participant's piece; discuss other reasons why the writing works or doesn't. And test yourself with entertaining daily short assignments. ☀

#713 GEYSERS, MUDPOTS & HOT SPRINGS



Start: July 16 at 9 a.m.
End: July 18 at 4 p.m.
Location: Old Faithful
Instructor: Duncan Foley, Ph.D.
\$255
Limit: 12
Credit Pending

Based in the center of the world's greatest concentration of hydrothermal features, you'll examine how they form and why they do the things they do. You'll spend the first day looking at the plumbing of hydrothermal systems, and observing features at Mud Volcano and along the shores of Yellowstone Lake. On the second day, you'll visit dynamic Norris Geyser Basin and end the day among the travertine terraces of Mammoth Hot Springs. The third day you'll explore the Upper, Midway, and Lower geyser basins—and possibly see several major geysers erupt. ☀

#714 LESSER- KNOWN CARNIVORES



Start: July 16 at 9 a.m.
End: July 18 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: James Halfpenny, Ph.D.
\$255
Limit: 12
Credit Pending

Meet the lesser-known carnivores of the Greater Yellowstone Ecosystem: coyotes, foxes, cougars, lynx, bobcats, wolverines, otters, fisher, badgers, and martens. You'll explore their biology, ecology, behavior, conservation, and evolution through classroom presentations and field trips to the habitats where these carnivores are found. ☀

#715 **NEW!** PICKING BUGS OUT OF THE PAINT: THE ART OF PLEIN AIR



Start: July 19 at 9 a.m.
End: July 22 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Aaron Schuerr
\$320
Limit: 12

Bring your paints and palette to translate the complex beauty of Yellowstone into the visual language of art. You'll spend mornings and evenings sketching and painting on location, when the shadows are long and the color is rich. During these field sessions and in the classroom, you'll discuss fundamentals of value, design, and color, and planning larger studio paintings from plein air studies. Instruction focuses on oil, but will include pastel, which shares many concepts and techniques. ☀

#716 YELLOWSTONE UNDER ICE



Start: July 20 at 9 a.m.
End: July 22 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Kenneth Pierce, Ph.D.
\$240
Limit: 12
Credit Pending

Through field trips and hikes, you can observe first-hand the geologic forces that shaped dramatically different terrains in the northern Yellowstone area and laid the foundation for its ecosystems. Find out how glaciers helped create the grassland ecosystems that support much of Yellowstone's wildlife. Hike to the summit of Mount Washburn to see tell-tale glacial polish and striations from an overriding ice cap during the last glaciation, and for an overview of Yellowstone's geologic landscape. Follow these forces beyond the park's borders to observe how glaciers, volcanoes, and catastrophic floods sculpted other parts of this rich landscape. ☀



Photo: Jen Rudolph



Photo: Karen Withrow



Photo: Karen Withrow

#717 **NEW!** GLOBAL CLIMATE CHANGE & YELLOWSTONE



Start: July 20 at 9 a.m.
End: July 23 at 4 p.m.
Location: Gardiner, MT
Instructors: William C. Edwards, Ph.D.
& James Halfpenny, Ph.D.
\$350
Limit: 25
Credit Pending

Instead of just hearing about global climate change, *experience* it in Yellowstone. Discover the complexity and difficulty in assessing the damage and solving the problems during field trips, lectures, and from guest speakers. By examining the issue locally, you'll better understand the worldwide implications of climate change. You'll also find out how the National Park Service, concessioners, and park partners are lessening greenhouse gas emissions. And you'll take home ideas for making your life even more environmentally sustainable. ☀

#718 **NEW** TEACHER WORKSHOP! NO CHILD LEFT INDOORS!



Start: July 23 at 9 a.m.
End: July 26 at Noon
Location: Lamar Buffalo Ranch
Instructors: Julianne Baker, M.A. and
National Park Service educator
\$335
Limit: 24
Credit Pending

Teachers, discover the buzz about *Expedition: Yellowstone!* This award-winning curriculum is an invaluable resource for educators who want to bring their students to Yellowstone or want to enliven classroom learning with park material. *Expedition: Yellowstone!* is a residential (multi-day, overnight) program that has inspired hundreds of teachers and tens of thousands of students from across the country. You'll participate in curriculum activities taught by experienced instructors and learn best practices for teaching in any outdoor setting—skills you can easily transport home to share with your students and inspire them to value spending time outdoors. ☀

#719 **NEW!** SECRETS OF THE LOWER GEYSER BASIN



Start: July 25 at 9 a.m.
End: July 25 at 5 p.m.
Location: Old Faithful
Instructor: Orville E. Bach, Jr., Ed.D.
\$80
Limit: 12

Experience Yellowstone as the early explorers did—by “discovering” the hidden wonders of the Lower Geyser Basin. You'll go beyond the well-known Fountain Paint Pots and Great Fountain geyser to see rare, remote, and spectacular hot pools, mudpots, and geysers seldom seen by other visitors. During several short hikes to these special locations, you'll discover even more about the park's astonishing thermal geology and ecology. ☀

#721 **GEOLOGY OF YELLOWSTONE LAKE**



Start: July 26 at 7 p.m.
End: July 29 at 4 p.m.
Location: Lake Village
Instructor: Lisa Morgan, Ph.D.
\$260
Limit: 12
Credit Pending

In this field-intensive class, you'll explore the geologic forces shaping Yellowstone Lake, the centerpiece of the dynamic Yellowstone Plateau, and how these forces influence the lake's ecosystem. In brief illustrated lectures and discussions, you'll find out how high-resolution technologies have been used to map the floor of the lake. In the field, you'll examine the active hydrothermal systems, large explosion craters and associated deposits, and rhyolitic lava flows that create the dynamic landscape of Yellowstone. ☀

#722 **ALPINE ECOLOGY IN THE BEARTOOTH**



Start: July 27 at 6 a.m.
End: July 29 at 4 p.m.
Location: Cooke City, MT
Instructor: James Halfpenny, Ph.D.
\$245
Limit: 12
Credit Pending

Led by an avid cold-weather ecologist, you'll explore the high-elevation landscapes of the Beartooth Plateau. Experience first-hand the dichotomy of stunning alpine wilderness and a forbidding environment of bitter cold and cutting wind. You'll learn how geology, climate, plants, and animals form the alpine ecosystem. Using an ecosystem approach, we'll examine individual species and their remarkable adaptations to this extreme environment of unsurpassed beauty. ☀



Photo: Karen Withrow



Photo: Gina Morrison



Photo: NPS

#723 EXPLORING YELLOWSTONE'S MICROBES



Start: July 27 at 9 a.m.
End: July 29 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Anna-Louise Reysenbach, Ph.D.
\$240
Limit: 12
Credit Pending

Discover the spectacular microbe communities thriving in Yellowstone's hot springs. You'll learn about their amazing diversity, the extremes in which they thrive, and what they might reveal about how life evolved on Earth and if life exists on other planets. You'll combine brief classroom time with visits and occasional short hikes to hydrothermal areas. We will discuss why heat-loving microbes have much biotechnological value and how techniques such as PCR were first made possible because of an enzyme from a Yellowstone microbe. In the evening, you'll learn about related topics such as the biology of deep-sea hydrothermal vents. ☀

#724 NEW! FLY FISHING & ECOLOGY FOR SEASONED ANGLERS



Start: July 28 at 10 a.m.
End: July 30 at 6 p.m.
Location: Lamar Buffalo Ranch
Instructor: Rhea Topping
\$255
Limit: 10

Unpack your fly rod and head out to Yellowstone's world-class trout waters to fine-tune your skills and knowledge. On the first day, you'll concentrate on the double haul and presentation casts, which enable you to fish all types of Yellowstone water. You'll learn details about aquatic "bugs" that Yellowstone's trout thrive on and what conservation issues face the park's trout. The next two days, using ethical and safe practices, you'll be fly fishing in the first meadow of Slough Creek with dry flies and in pocket water of several other rivers with fish nymphs and streamers. ☀

#725 TRUE TO LIFE: THE ART & SCIENCE OF DRAWING ANIMALS



Start: July 30 at 8:30 a.m.
End: August 1 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructors: Peg Steunenberg & George Bumann, M.S.
\$300
Limit: 11

Find out why a fox's face fur falls the way it does and how to capture those details with drawing. See for yourself where the ankle is on an elk and where it's hidden on a bird's wing. You'll learn to use pencil, pen and ink, and watercolor to depict fur, feathers, and behavior in this class designed for anyone with an interest in learning more about Yellowstone's wild animals and how to capture their lives in art. ☀

#726 NEW! TRACKING THE HEAT: YELLOWSTONE'S HOT SPOT & CALDERAS



Start: July 30 at 7 p.m.
End: August 3 at 4 p.m.
Location: Old Faithful
Instructor: Lisa Morgan, Ph.D.
\$340
Limit: 12
Credit Pending

You've heard the story of Yellowstone's volcano, whether on TV or in books or at the new Canyon Visitor Education Center. Now you can experience the story up close and in the field. Led by one of the leading experts on the Yellowstone hot spot and calderas, you'll hike to locations rich with geologic evidence of the volcano. You'll learn to identify the rocks, their relationships to each other, and to the volcano. ☀

#801 SEARCHING FOR YELLOWSTONE'S MOST ELUSIVE CARNIVORES



Start: August 1 at 9 a.m.
End: August 2 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructors: James Halfpenny, Ph.D. & Kerry Murphy, Ph.D.
\$200
Limit: 11
Credit Pending

How do you study an animal you seldom see? You'll discover the answers by working with two scientists who are researching Yellowstone's most elusive predators—the wolverine and the Canada lynx. You'll learn to identify these carnivores, their footprints, and their sign. You'll visit a live-trap used on the wolverine research project and see how hair-snare devices can detect Canada lynx. And you'll find out why this research is so important to these animals and the rest of Yellowstone's ecosystem. ☀



Photo: Karen Withrow



Photo: MacNeil Lyons



Photo: Pam Cabill

#802 **NEW!** SCULPTING YELLOWSTONE WILDLIFE



Start: August 2 at 9 a.m.
End: August 5 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: George Bumann, M.S.
\$320
Limit: 12

Bring clay to life amid the inspiration of Yellowstone's wildlife. You'll learn basics and details of modeling animals you observe in the field. Discover the art of simplifying your subject and of capturing its character, mood, and emotion. At the same time, learn to build an armature, compose a piece, and ensure the anatomy and behavior are as true to life as the wildlife you see in this wondrous wilderness. Students must provide their own materials. ☀

#804 INTRODUCTION TO MAMMAL TRACKING



Start: August 3 at 8 a.m.
End: August 3 at 5 p.m.
Location: Gardiner, MT
Instructor: James Halfpenny, Ph.D.
\$85
Limit: 12

Brush up your natural history detective skills by learning to read mammal tracks. In the morning at Dr. Halfpenny's Track Museum in Gardiner, you'll learn about foot anatomy, footprint identification, movements and gaits, and trails. In the afternoon, you'll travel to one of Yellowstone's hottest tracking areas to locate footprints, make plaster casts, follow faint trails, and interpret the stories that tracks tell. ☀

#805 BEARS: FOLKLORE & BIOLOGY



Start: August 3 at 9 a.m.
End: August 5 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructors: Jim Garry, M.S. & Harold Picton, Ph.D.
\$300
Limit: 11
Credit Pending

Why does the bear loom large in Yellowstone and in our psychic landscape? You'll explore this question in both the classroom and the field. Learn about the bear's basic biology, including reproduction, behavior, food habits, home ranges, habitat use, and population biology. You'll also delve into the bears of myths, dreams, folklore, and popular culture. Throughout the course, you'll explore the importance of both scientific and folk knowledge as part of our relationship with the land. ☀

#806 YELLOWSTONE'S WORLD OF BATS



Start: August 4 at 11 a.m.
End: August 5 at 11 p.m.
Location: Mammoth Hot Springs
Instructor: Douglas Keinath
\$160
Limit: 12

At dusk, most Yellowstone visitors retire indoors—but not if you are taking this tour of the world of bats. You'll get to know more than a dozen bat species that fly the night skies of the Yellowstone area. During the day, you'll learn about bats through illustrated talks. At night you'll be in the field tracking these elusive animals with computer aided echolocation detectors and learning field identification techniques as the instructor monitors some of the parks most sensitive bat species. ☀

#807 YELLOWSTONE'S NORTHERN ROADSIDE HISTORY



Start: August 6 at 8:30 a.m.
End: August 8 at 4 p.m.
Location: Gardiner, MT
Instructor: Lee Whittlesey, M.A., J.D., Ph.D. (Hon.)
\$240
Limit: 12
Credit Pending

Yellowstone's landscape is rich with evidence of previous human activity. Through roadside viewing and short hikes (up to 3 miles round trip), you'll examine sites that reveal this history from early Native American use to more recent human activity. You'll learn more interesting details through the illustrated discussions led by Yellowstone's historian. He will also take you on a special tour of Yellowstone's antique stagecoaches and early buses, which are not usually on view to the public. ☀



Photo: Karen Withrow



Photo: NPS



Photo: Karen Withrow

#808 SHAPING THE NORTHERN YELLOWSTONE LANDSCAPE



Start: August 6 at 9 a.m.
End: August 8 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructor: Grant A. Meyer, Ph.D.
\$240
Limit: 12
Credit Pending

Northern Yellowstone displays the spectacular geologic processes—from volcanism to huge landslides—that shaped this region. You'll learn to read this landscape, interpret its evolution, and understand how physical processes and climate affect Yellowstone's ecosystems. With illustrated programs, you'll see less accessible areas and learn about scientific methods of interpreting geologic processes and history. During short hikes each day, you'll apply this knowledge and use maps and digital images to understand this still-evolving landscape. ☀

#809 THE BISON OF YELLOWSTONE



Start: August 6 at 9 a.m.
End: August 8 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructors: Jim Garry, M.S. & Harold Picton, Ph.D.
\$300
Limit: 11
Credit Pending

The big boys are rumbling. While you're observing the often noisy and always fascinating bison rut, you'll also learn about one of the Old West's classic, enduring symbols. You'll explore the bison's history and natural history, its role in native cultures, and its role in the expanding white culture of the nineteenth century. Discover the role of the Buffalo Ranch in the survival of the bison and explore the current political turmoil around the bison management and the definition of the Yellowstone ecosystem. ☀

#810 DAY HIKING THE BEARTOOTH



Start: August 6 at 7 p.m.
End: August 9 at 4 p.m.
Location: Cooke City, MT
Instructor: Julianne Baker, M.A.
\$260
Limit: 12

Outside Yellowstone's northeast corner rises the Beartooth Plateau—an ancient high country with the largest expanse of tundra in the lower 48 states. After an evening review of low-impact backcountry travel, we'll spend three days hiking to glacial lakes, walking among blazing wildflower meadows, and soaking up the history, geology, and ecology of the Beartooths. Hikes range up to 12 miles, with 2000-foot elevation gains, so take a deep breath and tighten up those boot laces. At day's end, you'll find good food and relaxation in Cooke City, where rooms have been set aside; contact the registrar for lodging information. ☀

#813 NEW! SCORCHED EARTH: HOW THE 1988 FIRES CHANGED AMERICA



Start: August 20 at 9 a.m.
End: August 21 at 5 p.m.
Location: Mammoth Hot Springs
Instructor: Rocky Barker
\$160
Limit: 12
Credit Pending

Explore the fires of Yellowstone—before, during, and after 1988—and how they affect the park ecologically, socially, and politically. You'll visit fire sites around the park and discuss your observations with local experts on wildland fire and management policies. Find out how misconceptions arise and endure in spite of science, and how these views influence fire management policies. The title of the class is adapted from the instructor's recent book, *Scorched Earth, How the Fires of Yellowstone Changed America*. ☀

#814 DAY HIKING THE WILD YELLOWSTONE: NORTHERN RANGE AREA



Start: August 20 at 7 p.m.
End: August 23 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Julianne Baker, M.A.
\$260
Limit: 12

John Muir once exclaimed that Yellowstone is "wild enough to awaken the dead." More than 100 years later, Yellowstone's wild side is still out there waiting for you lace up your boots, leave the roadside, and hike into the backcountry. After an evening review of low-impact backcountry travel, you will hit the trail to soak up the history, geology, ecology, wildlife and wildflowers with stories, discussion, and hands-on exploration. Daily hikes will range from 8 to 12 miles with 2000-foot elevation gains, so come prepared to breathe the air that "is electric and full of ozone." ☀



Photo: NPS

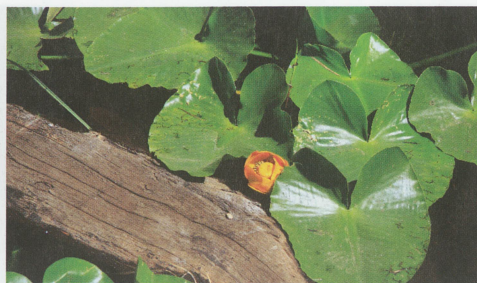


Photo: Karen Withrow



Photo: Bridget Lyons

#815 THE WOLVES OF YELLOWSTONE



Start: August 21 at 9 a.m.
End: August 23 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: George Bumann, M.S.
\$240
Limit: 12

Are you intrigued by wolves and hungry to learn more? This course will satisfy even the biggest appetite for wolf knowledge and experience. You'll begin with a comprehensive overview of wolf evolution, behavior, communication, and predation. Then you'll learn about Yellowstone wolf restoration, how well the wolves are doing, and how they relate to prey species, scavengers, and other animals. In addition to some class time, you'll spend plenty of time in the field observing wolves and prey, visiting the carcass of an animal killed by wolves, and exploring wolf habitat. ☀

#817 THE WOLVES OF YELLOWSTONE



Start: August 27 at 9 a.m.
End: August 29 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: George Bumann, M.S.
\$240
Limit: 12

Are you intrigued by wolves and hungry to learn more? This course will satisfy even the biggest appetite for wolf knowledge and experience. You'll begin with a comprehensive overview of wolf evolution, behavior, communication, and predation. Then you'll learn about Yellowstone wolf restoration, how well the wolves are doing, and how they relate to prey species, scavengers, and other animals. In addition to some class time, you'll spend plenty of time in the field observing wolves and prey, visiting the carcass of an animal killed by wolves, and exploring wolf habitat. ☀

#818 NEW! CALLING YELLOWSTONE HOME: THE SHEEP EATERS



Start: August 27 at 9 a.m.
End: August 29 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Larry Loendorf, Ph.D.
\$240
Limit: 12
Credit Pending

In this class led by an expert on Yellowstone's native people, you'll explore the rich culture of the Sheep Eaters. You'll walk trails they used as they traveled in and out of Yellowstone on their annual hunting and gathering cycles and visit a site where their old travois poles still lean against the trees. See why Obsidian Cliff was so important to the Sheep Eaters and to other tribes throughout North America. Find out how their uses for bighorn sheep went far beyond simple sustenance. ☀

#819 NEW! FROM THE GROUND UP: BOTANICAL ILLUSTRATION



Start: August 31 at 9 a.m.
End: September 3 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Nancy Seiler
\$320
Limit: 12

Step by step, one line at a time, you'll bring plants alive with graphite on paper. Using drawing basics you already know, learn to build a botanical illustration with layers of sketching, refining, shading and composition. In the field and in the classroom, discover how light, perspective, texture, and detail help create life-like illustrations. In between drawing sessions, you'll learn the history of botanical illustration and some simple botany to understand your specimen better. ☀

#820 GRIZZLIES: FROM DUMPS TO RECOVERY?



Start: August 31 at 7 p.m.
End: September 2 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Mark Haroldson
\$180
Limit: 12
Credit Pending

As grizzlies are being considered for delisting from the endangered species list, have you wondered if they've really recovered? What about the challenges and threats they face (and pose)? Through field trips and lectures, you'll explore the bears' life history patterns and current status. You'll be out in the field at the beginning of hyperphagia—a time when bears eat constantly to prepare for hibernation. You'll find out why bears are at risk this time of year and how changes in human behavior can help conserve grizzly bears in the Greater Yellowstone Ecosystem. ☀



Photo: Karen Withrow

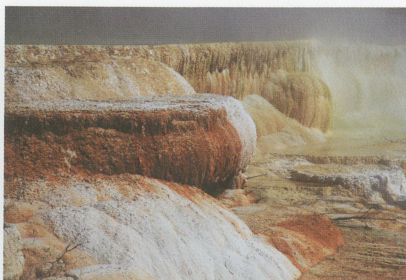


Photo: Karen Withrow



Photo: Jonmikel Pardo



Photo: Jonmikel Pardo

#821 **NEW!** UNRAVELING THE CANYON



Start: August 31 at 7 p.m.
End: September 3 at 4 p.m.
Location: Canyon Village
Instructor: Cheryl Jaworowski, Ph.D.
\$260
Limit: 12
Credit Pending

Imagine the area now occupied by the Grand Canyon of the Yellowstone being covered by fiery, flowing lava or frozen beneath 3,000 feet of ice. Find out how these events are related and their role in creating the sinuous, precipitous flow of the Yellowstone River through the Grand Canyon. You'll spend each day hiking to geologic sites where you'll examine lava flows, ash falls, and layers of sediment built up over millions of years. Follow these clues through time to unravel the complex story of the spectacular Grand Canyon of the Yellowstone River. *

#901 YELLOWSTONE'S HOME TOWN: MAMMOTH HOT SPRINGS



Start: September 1 at 9 a.m.
End: September 1 at 5 p.m.
Location: Mammoth Hot Springs
Instructor: Leslie J. Quinn, M.Ed.
\$80
Limit: 12

With its green lawns and stately buildings, you can easily see why Mammoth has been the heart of park activity since Yellowstone National Park was established in 1872. Walk among those buildings and discover their role in Fort Yellowstone; follow roads past sites of now-gone buildings such as McCartney's Hotel and Mammoth Lodge; and explore the Mammoth Terraces to find Bath Lake, the Devil's Kitchenette, and other formerly famous features of Yellowstone's home town. *

#903 RAPTORS ON THE WING



Start: September 7 at 7 p.m.
End: September 9 at 3 p.m.
Location: Gardiner, MT
Instructor: Terry McEneaney
\$180
Limit: 9

Look above Yellowstone's mountains and ridges this time of year, and you are likely to see raptors (birds of prey) soaring on updrafts on their way south. You'll find out why they fly along these ridges, where they are going, and other aspects of their ecology. You'll also learn to observe field marks for immature and adult hawks, eagles, falcons, and osprey. If you are an advanced birder, you'll pick up new identification tips as you observe these traveling raptors. *

#904 THE AUTUMN WILDLIFE SHOW



Start: September 11 at 9 a.m.
End: September 13 at 4 p.m.
Location: Mammoth Hot Springs
Instructor: Jim Garry, M.S.
\$240
Limit: 12
Credit Pending

Amidst the biggest show of autumn—the elk rut—venture into Yellowstone's Northern Range on short hikes. You'll surely hear the haunting bugle of bull elk echoing across the landscape and you might see wolves testing the strength and speed of well-fed elk. Some small mammals, such as Uinta ground squirrels, have already gone underground, but others—such as red squirrels and pika—continue their intense winter preparations. As you observe the action, you'll learn about complex biological and political challenges affecting the future of Yellowstone wildlife. *

#906 AUTUMN PHOTOGRAPHY IN YELLOWSTONE



Start: September 25 at 9 a.m.
End: September 28 at 4 p.m.
Location: Gardiner, MT
Instructor: Sandra Nykerk
\$330
Limit: 11

Immerse yourself in photography while exploring the opportunities of autumn in Yellowstone, from bugling elk to the delicate colors of the changing landscape. You'll build a foundation of technical and creative photographic principles and the ethics of nature photography while exploring differences between film and digital imaging, the possibilities of macro photography, and the importance of understanding natural history. You will need a film or digital SLR camera with which you are familiar and a thorough understanding of basic photographic principles. You'll be able to process film and produce digital prints but will be responsible for lab fees. *



Photo: Jonmikel Pardo

#907 AUTUMN DAY HIKING IN YELLOWSTONE



Start: September 28 at 9 a.m.
End: September 30 at 5 p.m.
Location: Mammoth Hot Springs
Instructors: Edward Schauster, M.S. & Melissa Pangraze
\$300
Limit: 12

Autumn day hikes in Yellowstone enliven all of your senses. You'll hear the eerie sounds of bugling elk, smell the fragrance of aspens and cured grasses, feel the contrast of cold breezes and hot sun. As you hike through the park's backcountry, you may see bighorn sheep and migrating hawks, find moose along willow-filled creek beds, or spot the elusive coyote, wolf and bear. Be prepared to hike from 8 to 12 miles each day with elevation gains up to 1500 feet. ☀

#908 WATCHING WOLVES IN AUTUMN



Start: September 28 at 6 p.m.
End: September 30 at 4 p.m.
Location: Slough Creek Campground
Instructor: Nathan Varley, Ph.D.
\$180
Limit: 12

Set up your tent in the heart of Yellowstone's wolf country—Slough Creek Campground—for a long weekend designed for wolf- and outdoor-enthusiasts. Imagine falling asleep to howls, dreaming of wolves running, and waking up to watch a pack frolic while your coffee brews. Away from camp, you'll look for resident packs from the road and hike the rugged territories of lesser-known packs. After dinner, you'll listen to the intriguing stories and observations of seasoned wolf biologists and other experts—and share your own. ☀



Photo: Jonmikel Pardo

#1001 THE WOLVES OF YELLOWSTONE



Start: October 1 at 9 a.m.
End: October 3 at 4 p.m.
Location: Gardiner, MT
Instructor: George Bumann, M.S.
\$240
Limit: 12

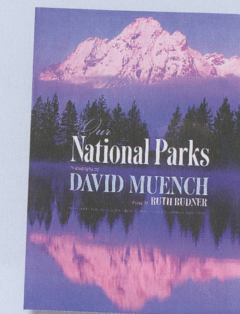
Are you intrigued by wolves and hungry to learn more? This course will satisfy even the biggest appetite for wolf knowledge and experience. You'll begin with a comprehensive overview of wolf evolution, behavior, communication, and predation. Then you'll learn about Yellowstone wolf restoration, how well the wolves are doing, and how they relate to prey species, scavengers, and other animals. In addition to some class time, you'll spend plenty of time in the field observing wolves and prey, visiting the carcass of an animal killed by wolves, and exploring wolf habitat. ☀

#1002 AUTUMN DAY HIKING IN YELLOWSTONE



Start: October 2 at 9 a.m.
End: October 4 at 5 p.m.
Location: Mammoth Hot Springs
Instructors: Edward Schauster, M.S. & Melissa Pangraze
\$300
Limit: 12

Autumn day hikes in Yellowstone enliven all of your senses. You'll hear the eerie sounds of bugling elk, smell the fragrance of aspens and cured grasses, feel the contrast of cold breezes and hot sun. As you hike through the park's backcountry, you may see bighorn sheep and migrating hawks, find moose along willow-filled creek beds, or spot the elusive coyote, wolf and bear. Be prepared to hike from 8 to 12 miles each day with elevation gains up to 1500 feet. ☀



#1003 **NEW!** MASTER ARTIST SEMINAR: OUR NATIONAL PARKS



Start: October 6 at 9 a.m.
End: October 6 at 9 p.m.
Location: Mammoth Hot Springs
Instructors: David Muench & Ruth Rudner
\$125
Limit: 40

Join 40 other nature photography enthusiasts to meet David Muench and hear the story behind his spectacular photography. Learn how he uses his skill and artistic vision to champion the strength and beauty of wild lands. Discuss the environmental concerns of photography in the landscape and how we can be both excellent photographers and stewards of the land. Bring two slides of your own work for Muench to review. You'll also have time in the afternoon to photograph the Mammoth area on your own, trying out new ideas and techniques. End this inspiring day by attending an evening presentation with Muench and writer Ruth Rudner, who will discuss their book, *Our National Parks*, which captures the essence of park icons through images and words. ☀

BACKPACKING COURSES

If you are a physically fit adult, consider experiencing the Yellowstone wilderness in a small group. Two experts lead all backpacking courses. The backpacking instructor will teach the group about wilderness travel, including minimum-impact camping and bear safety. A content instructor will teach about a specific subject (for example, wolves or history) related to Yellowstone.

Every course begins with a classroom day where the morning is spent on orientation to the course topic, the Yellowstone backcountry, the route and itinerary, Leave No Trace principles, and the group expectations and goals. Both instructors will present important information to prepare the group for their backpacking seminar. After lunch as a group, the backpacking instructor will cover the logistical details of backcountry travel, including reviewing food and gear requirements, packing techniques and helpful hints, bear safety, and other backpacking information. You'll be able to make last minute purchases at this time. Stores in nearby communities and in the park carry some backpacking supplies. The afternoon session is required for all participants new to Yellowstone Association Institute backpacking courses. Students who have taken a YAI backpacking course within the last year may be eligible to skip the afternoon session and use the time to pack on their own, purchase supplies, or relax in Yellowstone.

Rates include tents, stoves, and other group equipment but you must provide your own personal equipment (such as backpack, water bottles, sleeping bags, clothing) and food. Students who are not prepared at the time of their course may be asked to refrain from participating.

For all backpacking courses, trip itineraries may change based on trail conditions and the availability of campsites. Participants must secure their own accommodations before and after the course, and for the first evening of the course.

SO HOW DOES THIS ALL WORK?

To register or for more information about a backpacking course, call us at 307-344-2294, 8 a.m. to 4:30 p.m., Monday through Friday or visit us online at www.YellowstoneAssociation.org. Courses fill fast so register early. Full payment is required at the time of registration. Online course requests are not final until confirmed by our registrar.

After you register, we'll send you a confirmation letter, park entrance pass, and personal data forms you need to fill out and return right away. These help us get to know you better so we're prepared for your arrival.

Approximately 30 days prior to your course, we'll mail you a student letter from the instructor and a list of supplies and equipment you'll need. We will send these by email or regular mail, depending on what you requested when you signed up.

CANCELLATION & REFUND POLICY FOR BACKPACKING COURSES

Payments are fully refundable, less a \$35 per course processing fee, if you cancel at least 60 days before the course. No refunds will be made for cancellations received fewer than 60 days before the start of the course, unless your space can be filled. If we can fill your space, a refund will be made, less the course processing fee. As an alternative, we can credit your tuition to another course of the same type offered before October 1, 2007, on a space available basis. We reserve the right to cancel a course up to 30 days before the first class day. If we cancel, you will receive a full refund. We regret that the Institute cannot make exceptions to the refund policy for any reason, including but not limited to illness, travel delays, emergencies, or weather. We urge you to purchase accident, baggage, and trip cancellation insurance through a travel agent or website such as www.TravelGuard.com. Travel insurance can help protect you against financial loss if you must cancel or interrupt your trip.

WHAT'S THE BEST BACKPACKING COURSE FOR YOU?

Backpacking in a high-altitude environment is a physically demanding activity, and to enjoy your Institute experience without endangering yourself or others, you must be sufficiently fit. You will be required to carry a backpack weighing 50-60 pounds and hike up to eight hours a day at elevations ranging from 5,000 to 12,000 feet. Unless you live at this altitude, your body will experience the stresses associated with hypoxia—i.e., low oxygen. You should expect significant demands on the heart, lungs, and all major muscle groups. You also should be prepared to hike in inclement weather and a dry environment. Hiking in these conditions is more strenuous than hiking in fair weather at sea level, and some people experience associated health complications. We recommend that you talk to your doctor about your suitability before enrolling. To help you decide which course is best for you, we have developed a rating system that takes into account distance, elevation gain, terrain, and even pace. Please do not overestimate your ability. Selecting a course that is too difficult can endanger your health as well as the safety of those around you, and it can diminish everyone's enjoyment.

NOTE: Each backpacking course is rated according to the difficulty scale on the next page.

Members of the Yellowstone Association receive a \$10 discount.

BACKPACKING DIFFICULTY SCALE

- 1 Leisurely to moderately paced hikes of up to 6 miles per day over relatively flat terrain. Total elevation change will be less than 500 feet per day.
- 2 Moderately paced hikes of up to 8 miles per day over undulating terrain. Elevation changes up to 1,000 feet per day are possible.
- 3 Moderately to briskly paced hikes of up to 8 miles per day over sometimes rough and steep terrain. Elevation changes of 1,000 feet per day are likely.
- 4 Brisk to aggressive hiking is expected. You will cover up to 13 miles per day over sometimes rough and steep terrain with possible daily elevation changes of 1,000 feet or more.
- 5 Aggressive hiking over extended courses of seven days or longer. Each day can include hikes of up to 13 miles over sometimes rough and steep terrain, on- or off-trail. Elevation changes of up to 2,000 feet likely.

Please note that these ratings are only guidelines: What is labeled "5" might be routine for a very fit hiker while a "3" might be quite difficult to a non-backpacker who lives at sea level. Further, weather; current environmental conditions; route hazards; and your own fitness, preparedness, and acclimatization can affect the difficulty of any given course. If you still have questions about any course, or if you would like more information about local conditions or the effects of altitude, please call the Institute office and a staff member will be happy to help.

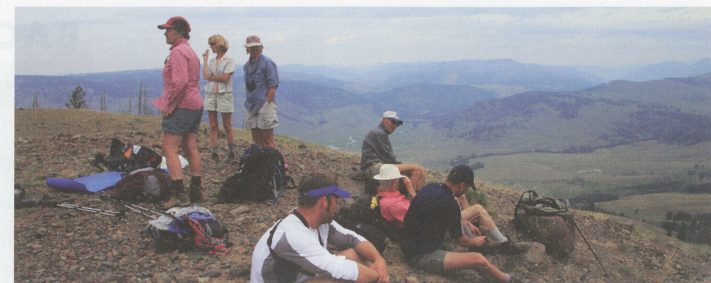


Photo: Karen Withrow

#513 GRIZZLY BEAR BASECAMP

2

Start: May 30 at 9 a.m., Gardiner, MT
End: June 2 at 4 p.m.
Location: Slough Creek
Instructors: Jim Garry, M.S. & Backpacking Instructor
\$400
Limit: 8
Credit Pending

Venture into the heart of picturesque Slough Creek, where elk calves are being born and grizzly bears are hunting them. Find out why and how grizzlies seek elk calves; discover what other foods they search for. See where the great bears have been by learning to identify and interpret their tracks, scat, and other sign. Along the trail and in camp, you'll also learn about grizzly bear evolution, taxonomy, folklore, conservation, and management. At sunrise and sunset, you'll be able to look for elk, bison, and bears. ☀

#604 **NEW!** MASTER COURSE: LEAVE NO TRACE

2

Start: June 4 at 9 a.m., Gardiner, MT
End: June 8 at 4 p.m.
Location: Lower Black Canyon
Instructors: Edward Schauster, M.S. & Melissa Pangraze
\$715
Limit: 10

Backpack the Black Canyon of the Yellowstone while earning the certification to teach the basic Leave No Trace course. After an introductory day (which also includes packing), you'll move into the backcountry for four days to learn and practice LNT techniques. You'll practice LNT teaching strategies by conducting a short session for the other participants. When you hike out of the Black Canyon, no one will know you've been there—except you and your companions. All new Master Educators will receive a one-year membership to Leave No Trace. ☀





Photo: Karen Withrow

#608 COUGAR ECOLOGY BACKPACK

4

Start: June 8 at 9 a.m., Gardiner, MT
End: June 12 at 4 p.m.
Location: Black Canyon
Instructors: Toni Ruth, Ph.D. & Backpacking Instructor
\$500
Limit: 8
Credit Pending

Rocky terrain and steep, broken canyon sidewalls mixed with small grassy meadows . . . purr-fect cougar habitat! You'll be hiking the Black Canyon, home to some of Yellowstone's cougars. You'll look for tracks, scats, and other sign of cougars and other carnivores. During the trek and in camp you will learn about cougar food habits, habitat use, interactions with other carnivores, and conservation and management issues. We probably won't see a cougar, but they probably will be watching us. ☀

#621 YELLOWSTONE WOLF BASECAMP

2

Start: June 23 at 9 a.m., Gardiner, MT
End: June 26 at Noon
Location: Northern Range
Instructors: Dan Stahler, Ph.D. student & Nathan Varley, Ph.D.
\$400
Limit: 8

Settle into a basecamp among the territories of several wolf packs. As you explore their territory, you'll begin observing the world as wolves see it—reading their sign, watching their prey, exploring their habitat, and examining the dynamic relationships between packs. With luck and patience, you may see or hear wolves. Before going afield, we will review the history of wolves in the park and the ecology of wolf restoration. ☀

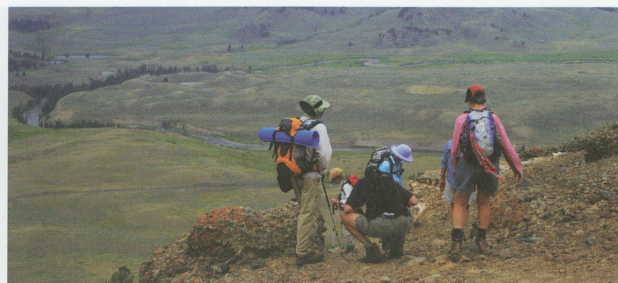


Photo: Karen Withrow

#629 NEW! BACKCOUNTRY SKETCHBOOK

2

Start: June 28 at 9 a.m., Gardiner, MT
End: July 2 at 4 p.m.
Location: Northern Range
Instructors: George Bumann, M.S. & Backpacking Instructor
\$500
Limit: 8

Ever want to capture that remote backcountry landscape in a wash of watercolor or a quick pencil sketch? Stymied by which art supplies to bring—and how to carry them and use them while backpacking? Achieve your goals on this backpacking trip designed specifically for the beginning artist and the creative traveler. You'll concentrate on drawing and painting, lessons from the Masters, along with demonstrations and discussion by an experienced artist who knows the arts as well as he knows the ecology and geology of Yellowstone. ☀

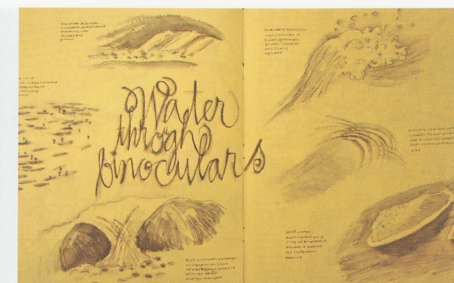


Photo: Sue Beachman

#720 BACKPACKING THE TRAIL OF THE NEZ PERCE

5

Start: July 25 at 9 a.m., Gardiner, MT
End: July 30 at 4 p.m.
Location: Lamar River/Miller Creek/Hoodoos/Sunlight Basin
Instructors: Jim Garry, M.S. & Backpacking Instructor
\$600
Limit: 8
Credit Pending

Follow the flight of the Nez Perce out of Yellowstone as they fled the U.S. Army in 1877. We'll follow Chief Yellow Wolf's trail, where he lead the main Nez Perce scouting party along the Lamar River, up Miller Creek into the spectacular high country of the Hoodoo Basin, then out Sunlight Basin. Along the way, you'll learn about historic accounts of the trek, alternate routes various groups of Nez Perce might have taken, Nez Perce history and traditions, and why this trail remains significant to the tribe. ☀

#803 ALPINE WILDLIFE: BASECAMP IN THE HIGH COUNTRY

3

Start: August 2 at 9 a.m., Gardiner, MT
End: August 5 at 4 p.m.
Location: Absaroka/Beartooth Mountains
Instructors: Nathan Varley, Ph.D. & Backpacking Instructor
\$400
Limit: 8

From a base camp at 9,000 feet, you'll hike the rugged peaks and ridgelines of the remote Absaroka Mountains. Discover for yourself the fascination and beauty of this enchanted realm of eagles, mountain goats, and pika. You'll learn about the ecology, geology, and human exploration of this majestic landscape and how to travel safely and effectively in this challenging terrain. Keep your eyes wide open—you might also see grizzly bears, bighorn sheep, and maybe even wolves. ☀

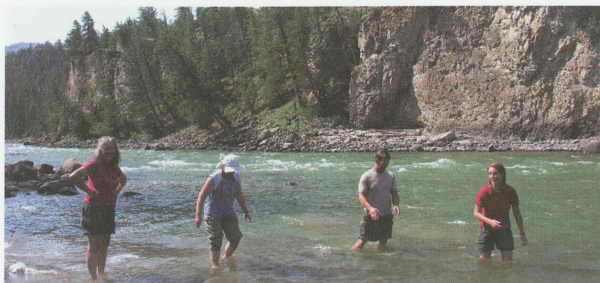


Photo: Karen Withrow



Photo: MacNeil Lyons

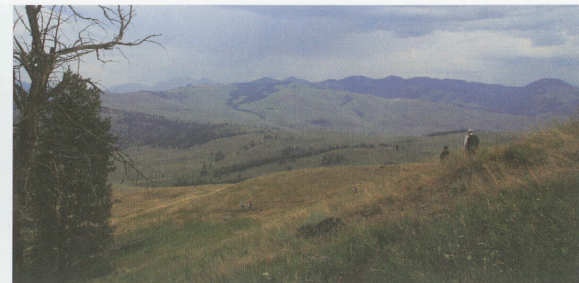


Photo: Karen Withrow

#811 **NEW!** WET & WILD: BACKPACKING THE BECHLER

③

Start: August 9 at 10 a.m., Ashton, ID
End: August 14 at 4 p.m.
Location: Bechler
Instructors: Mike Yochim, Ph.D. & Backpacking Instructor
\$600
Limit: 8
Credit Pending

Hot springs, waterfalls, history—find it all on this backpack through the park's southwest corner, known as the Bechler or Cascade Corner. On the way, you'll visit a backcountry geyser basin at Shoshone Lake, see signs of wolves and bears, and cross a gentle section of the Continental Divide. In the lush Bechler area, you'll enjoy the abundant waterfalls and soak in hot springs. You'll also discover the connection between Bechler and wilderness management, the national park idea, tribes, and the area's geology and ecology—all in one wonderful backpack during the golden days of late summer. ☀

#812 **NEW!** WRITING RETREAT: THE WILD SHORE OF YELLOWSTONE

①

Start: August 14 at 9 a.m., Gardiner, MT
End: August 18 at 4 p.m.
Location: Yellowstone Lake
Instructors: Alan Kesselheim & Backpacking Instructor
\$600
Limit: 10

Climb in the boat and leave the workaday world behind—you're heading to the remote southern reaches of Yellowstone Lake to write and reflect and learn. Author and adventurer Kesselheim will help you focus on nature-writing techniques—the art of journal keeping, using wilderness as a source for metaphors, becoming a mindful observer, finding story themes through inquiry, and drawing connections between raw events and universal human experience. We'll be based in one wilderness campsite, so you won't have to haul a heavy overnight pack, but you'll learn about backcountry travel and camping in bear country. Fuel your creative fire with days exploring and observing some of Yellowstone's most untouched and spectacular wilderness. ☀

#816 **NEW!** THOROFARE EXPEDITION

⑤

Start: August 21 at 9 a.m., Gardiner, MT
End: August 30 at 4 p.m.
Location: Thorofare Region
Instructors: Jim Garry, M.S. & Backpacking Instructor
\$900
Limit: 10
Credit Pending

Join this 9-day expedition exploring the heart of Yellowstone's most remote region—the Thorofare. After the boat trip to the southeast corner of Yellowstone Lake, you'll be hiking in wilderness thick with grizzlies and rich in history. Hone your wilderness travel skills as you backpack up the Yellowstone River to Hawk's Rest, over the continental divide at Two Ocean Pass, and south along Pacific Creek toward Grand Teton National Park. Catch your breath while one of the best storytellers around regales you with tales of wanderers and explorers who walked before you. Round-trip transportation will be provided from Gardiner. ☀

#902 PELICAN VALLEY GRIZZLY BEAR BASECAMP

④

Start: September 6 at 9 a.m., Gardiner, MT
End: September 9 at 4 p.m.
Location: Pelican Valley
Instructors: Kerry A. Gunther, M.S. & Backpacking Instructor
\$400
Limit: 8
Credit Pending

Hikers familiar with Yellowstone know the Pelican Valley as one of the best places to see grizzly bears in the backcountry. Explore this spectacular country and learn about bear behavior, food habits, habitat use, bear-human interactions, and bear-human conflict resolution. You'll also learn to distinguish the tracks and other sign of a grizzly from a black bear, and perhaps see both species. Our basecamp will be over Mist Pass, so the first and last days are a long backpack with an extremely strenuous climb over the pass, and the middle observation days will require descending and ascending the pass. ☀

#905 AUTUMN WOLF & ELK BACKPACK

③

Start: September 12 at 9 a.m., Gardiner, MT
End: September 16 at 4 p.m.
Location: Northern Range
Instructors: Dan Stahler, Ph.D. student & Nathan Varley, Ph.D.
\$500
Limit: 10

On this one-of-a-kind wildlife-watching trip, you'll backpack four days in outstanding elk and wolf country—the open meadows of the southern Gallatin Mountains. Spend frosty mornings and crisp, starry evenings in the company of elk as they gather, feed, and engage in their intricate annual mating ritual. With luck, you'll also see their primary predator—wolves—in action. We'll certainly see sign of wolves and discuss their relationships with elk in Yellowstone. ☀

INSTRUCTOR PROFILES

ROBERT ANDERSON, PH.D.

(16) is an entomologist and professor of biological sciences at Idaho State University, where he teaches and writes about applied ecology and medical entomology. He has also produced videos on crickets, insect collecting, and butterflies of Yellowstone and Grand Teton National Parks.

ORVILLE E. BACH, JR.,

ED.D. (15, 20) is a familiar face at the Old Faithful Visitor Center, where he works each summer as an interpretive ranger. He wrote *Exploring the Yellowstone Backcountry*, a popular hiking guide, and *Tracking the Spirit of Yellowstone: Recollections of Thirty-One Years as a Seasonal Ranger*.

JULIANNE BAKER, M.A.

(18, 20, 23) moved to Gardiner, Montana, after more than 20 years visiting Yellowstone to hike, backpack, kayak, and ski. She retired from teaching in Michigan, where she taught environmental science, and now is the Resident Instructor for the Yellowstone Association Institute. She is a graduate of the National Outdoor Leadership School (NOLS), a Wilderness First Responder, and a certified master Leave No Trace educator.

GENE BALL (9, 10) was director of the Yellowstone Association and Institute from 1985–88. He now lives in Meeteetse, Wyoming, and teaches a wide variety of topics and does other freelance projects for a variety of organizations throughout the West.

ROCKY BARKER (23) writes about environmental issues ranging from salmon in Idaho to mining in Wisconsin to fish and wildlife conservation in Africa. An award-winning environmental reporter, he currently reports for the *Idaho Statesman* and is syndicated through Writers on the Range. Barker is the author of the highly acclaimed book, *Scorched Earth: How the Fires in Yellowstone Changed America*.

ALDEN BIG MAN JR.,

PH.D. CANDIDATE (11) is a member of the Crow Nation who speaks Crow fluently and has in-depth knowledge of the traditions, history, and culture of his tribe. He is completing a Ph.D. in history at the University of New Mexico, with an emphasis on the American West and Northern Plains Culture.

DIANE BOYD, PH.D.

(12) began studying wolves in Minnesota with Dave Mech during the 1970s. She has since conducted wolf research in Montana, Alberta, British Columbia, Northwest Territories, Romania, Italy, Arizona, and New Mexico. Her subjects included the first wolves to den in Montana since their extirpation in the early 1900s; this occurred a decade before wolves were restored to Yellowstone National Park.

GEORGE BUMANN, M.S.

(21, 22, 24, 26, 28) can draw, paint, describe, and teach about all aspects of Yellowstone National Park's ecology. He has a degree in wildlife ecology and experience teaching field biology, ornithology, dendrology, mammalogy, drawing, and field journaling. His art and writing have appeared in popular and scientific publications. His bronze sculptures can be found in collections across the United States, England, and in the National Museum of Wildlife Art in Jackson, WY.

TIM CAHILL (19), founding editor of *Outside* magazine and frequent contributor for *National Geographic Adventure*, writes with humor and insight about his worldwide adventures. His eight books include *A Wolverine Is Eating My Leg* and *Lost In My Own Backyard: A Walk In Yellowstone National Park*. He lives in Montana, downstream from Yellowstone.

JOHN S. CAMPBELL, PH.D.

(17) has studied arctic and alpine plant ecology in the Greater Yellowstone Ecosystem since 1973. He is a professor of biology at Northwest College, located immediately east of Yellowstone National Park, and has published an extensive review of North American alpine ecosystems.

MEREDITH E. CAMPBELL

(15, 16) holds a Bachelor of Science Degree from Saint Lawrence University; a certificate in Scientific Illustration; and has been published in numerous science-related books, textbooks and magazines. Meredith shows her wildlife paintings in the Wyoming Gallery in Jackson Hole. Meredith has been teaching all ages how we can use drawing as a way to learn and understand more about our natural world for more than 18 years.

ELEANOR WILLIAMS

CLARK, M.L.A. (10) is Chief of the Division of Planning, Compliance and Landscape Architecture in Yellowstone National Park and has kept journals of landscape projects for more than 15 years. Her work in landscape design involves ecology, sculptural aspects of landscape, and the influence of art in shaping our connections to the land.

JAMIE CRAIT, PH.D. CANDIDATE

(16) has been studying otters for more than 5 years, earning his master's degree in 2005 and now working toward his Ph.D. at the University of Wyoming. He has earned several awards for his research and has published numerous articles about otters and the ecology of Yellowstone Lake. His research focuses on how cutthroat declines in the lake affect otters and the ecology of the lake.

PAUL DOSS, PH.D. (15, 16) vividly describes geologic processes so that you can almost see the landscape forming. Supervisory geologist for Yellowstone National Park from 2000–2001, he teaches in the Department of Geology and Physics at the University of Southern Indiana. For over two decades, he has taught field geology, conducted research, and completed geologic mapping in the Rocky Mountain Region and the Yellowstone Plateau.

Photo: Karen Withrow

Members of the Yellowstone Association receive a \$10 discount.

KATY DUFFY, M.S. (13) identifies raptors on the wing and songbirds by sound. She is a licensed bird bander specializing in owls, hawks and songbirds, and holds an ecology degree from Rutgers University. A resident of the Greater Yellowstone Ecosystem for more than two decades, she was a naturalist for Grand Teton National Park before becoming the West District Interpretive Ranger for Yellowstone National Park.

WILLIAM C. EDWARDS, PH.D. (15, 20) is a retired professor of biology who has taught at high school, junior college, and university levels. Now living in the Yellowstone area, he pursues his interest in plant ecology of Grand Teton and Yellowstone national parks. He has worked for both parks as a seasonal ranger, researcher, and volunteer.

TERRY ENK, PH.D. (10) studied bighorn sheep and mountain lions for his doctorate from Montana State University. He has also conducted mountain lion research with the Hornocker Wildlife Institute, assisted in developing a strategy to protect wildlife along the U.S.-Mexico border, and served as wildlife biologist for the New Mexico Department of Game and Fish. He now is a wildlife consultant from his home in Boise, Idaho.

DUNCAN FOLEY, PH.D. (19) keeps coming back to teach in Yellowstone, where he guides students among the ever-changing and fascinating hydrothermal features and teaches about the volcano that fuels them. A professor of geosciences at Pacific Lutheran University in Tacoma, Washington, he is the author of *Yellowstone's Geysers and Other Hydrothermal Features*.

JIM GARRY, M.S. (9, 12, 22, 23, 25, 28, 29) weaves together natural history, human history, folklore, and myth into spell-binding stories. A naturalist and folklorist, he has spent a good part of the past four decades in the Yellowstone ecosystem. Since 1980 he has directed Great Plains Lore and Natural History, Inc. His books include *This Ol' Drought Ain't Broke Us Yet* and *The First Liar Never Has a Chance*.

BOB GRESSWELL, PH.D. (11) knows the cutthroat trout intimately after more than 30 years studying this fish. He is a research biologist with the USGS Northern Rocky Mountain Science Center in Bozeman, Montana, and teaches at Montana State University and Oregon State University.

KERRY A. GUNTHER, M.S. (9, 30) studied how Yellowstone's grizzlies behaved when people approached on a trail. His innovative research led to his work as a bear management specialist for Yellowstone National Park. He has published papers on bear management, grizzly bear-human interactions, bear-human conflict resolution, and grizzly predation on elk calves. In 1977, he received the Sigurd Olsen Environmental Achievement Award.

JAMES HALFPENNY, PH.D. (9, 11, 12, 17, 19, 20, 21, 22) is an ecologist, educator, and writer who has taught field courses since 1961 and was coordinator of Long-Term Ecological and Alpine Research at the University of Colorado. Jim, president of A Naturalist's World, produces educational books, computer programs, and videos, and travels the world teaching about bears, wolves, and animal tracks. Jim's most recent book is *Yellowstone Wolves in the Wild*; a book about Yellowstone's bears is in production.

MARK HAROLDSON (24) has studied bears for more than 30 years. He is supervisory wildlife biologist for the Interagency Grizzly Bear Study Team in Bozeman, Montana, and has authored or coauthored more than 25 publications about grizzly bears. Recent works include co-authoring a *Wildlife Monograph* (no. 161) on grizzly bear population parameters in the Yellowstone ecosystem and a book chapter on grizzly bear ecology and management.

PETER H. HASSRICK, M.A. (17) is a writer and scholar whose passion is American art of the West. During his career, he has served as director for many museums, including twenty years as Director of the Buffalo Bill Historical Center in Cody, Wyoming. Among his more than one dozen books is *Drawn to Yellowstone: Artists in America's First National Park*.

STEPHEN HERRERO, PH.D. (11) is a leader in grizzly bear/human interaction research. Herrero wrote the well-known book, *Bear Attacks: Their Causes and Avoidance*. To more broadly disseminate an understanding of safety around bears, he and four colleagues founded the Safety in Bear Country Society. Together they have produced four safety videos that show how to be safe while enjoying black, grizzly, and polar bears.

HANNAH HINCHMAN, (17) a journal-keeper for more than 40 years, is earning her MFA in graphic design at Indiana University. Last year, she was invited to work with graduate students in architecture, geography, and design at Louisiana State University. Her books include *A Trail Through Leaves: the Journal as a Path to Place* and the award-winning *Little Things in a Big Country: an Artist and her Dog on the Rocky Mountain Front*.

CHERYL JAWOROWSKI, PH.D. (25) is a geologist for Yellowstone National Park. Her scientific research and interests include Yellowstone's volcano, glacial geology, geologic mapping, and the evolution of the landscape. She has enjoyed hiking and skiing in the Greater Yellowstone area for more than 20 years.

DOUGLAS KEINATH (22) is an expert on the fauna of Wyoming, and recently completed an inventory of bats in the Greater Yellowstone Ecosystem. As Senior Zoologist for the Wyoming Natural Diversity Database, he guides research efforts, manages field surveys, and consults with state, federal, and private organizations. Keinath also maintains a prioritized list of locally sensitive species, including bats.

ALAN KESSELHEIM (29) is a wilderness adventurer, accomplished paddler, freelance writer, and workshop leader. Adventures in wild places have fueled much of his writing. He has written hundreds of magazine pieces and eight acclaimed books, including *Water and Sky: Reflections of a Northern Year* and *Threading the Currents: A Paddler's Passion for Water*. He has taught popular writing classes at the Buffalo Ranch for six seasons.

Photo: Karen Withrow

LAWRENCE LOENDORF, PH.D. (24) has always been interested in the hunting and gathering cultures of Montana and Wyoming. He has contributed to the understanding of these cultures through his archeological and historical research, his university teaching, and his writing. Working with Peter Nabokov, he recently completed a historical and ethnographic overview of Indians in Yellowstone National Park and published *Restoring a Presence: American Indians and Yellowstone National Park*.

DAN MACNULTY, PH.D. CANDIDATE (18) began his career as one of the park's first volunteer wolf research assistants, where he led efforts to document the behavior of wolves hunting elk. In his graduate work at the University of Minnesota, he is exploring how predator-prey behavioral interactions influence ecological dynamics.

TIMOTHY P. MCCLEARY, PH.D. CANDIDATE (11) works with the Crow Nation to record and share their history, traditions, and culture. He is a professor at Little Big Horn College, the Crow tribal college, and is a Ph.D. candidate in anthropology at the University of Illinois: Urbana-Champaign. He has published papers on Crow culture, and the book, *The Stars We Know: Crow Indian Astronomy and Lifeways*.

TERRY MCENEANEY (9, 14, 25) is Yellowstone National Park's ornithologist and first began birding Yellowstone in 1968. He teaches field ornithology throughout Montana and Wyoming, and wrote *Birds of Yellowstone, The Uncommon Loon, and Birding Montana*. He is writing a book on the ecology of Yellowstone birds and a scientific monograph on the Yellowstone trumpeter swan.

GRANT A. MEYER, PH.D. (23) studied fires and climate change in northern Yellowstone, which earned him the 1997 Kirk Bryan Award of the Geological Society of America. He is assistant professor in the Department of Earth and Planetary Sciences at the University of New Mexico and has studied landforms and geological processes in Yellowstone since 1983.

LISA MORGAN, PH.D. (20, 21) studies the geology and geophysics of volcanic terrains in and near Yellowstone National Park as a research geologist for the U.S. Geological Survey. With Ken Pierce, she developed major concepts and a model for the Yellowstone hot spot. Currently, she is focusing on caldera-forming eruptions, rhyolitic lava flows, hydrothermal explosions, and the geology of Yellowstone Lake.

DAVID MUENCH (26) champions the strength and beauty of wilderness through his work as a photographer. His images have appeared in magazines, books, advertising, exhibit format books, and wilderness conservation publications throughout the world. Muench is the primary photographer for more than forty books and has participated in numerous exhibits. His most recent book is a collaboration with Ruth Rudner, *Our National Parks*.

KERRY MURPHY, PH.D. (9, 21) is a wildlife ecologist and management biologist for Yellowstone National Park. He has researched and managed the wild cats of the Northern Rocky Mountains. He currently works on furbearer (e.g., lynx) and endangered species conservation, and has published numerous scientific and popular articles on carnivore ecology.

TOM MURPHY (14) owns Wilderness Photography Expeditions and conducts natural history photography seminars primarily in Yellowstone National Park. Tom's work has been published in *The New York Times Magazine*, *Newsweek*, *Outside*, *National Geographic*, and most of the major magazines that deal with natural history. Tom has published several books, including *The Comfort of Autumn: The Seasons of Yellowstone*.

SANDRA NYKERK (12, 14, 25) is a naturalist and photographer in Gardiner, Montana, who has taught photography and led natural history workshops for two decades. Her photographs and fine art images are widely published and exhibited. Her interdisciplinary degree in photography, cultural anthropology, and environmental history explored the role of photography in the conservation of natural spaces, including Yellowstone.

MELISSA PANGRAZE (26, 28) obtained her degree in wildlife science from Purdue University. As an Institute backpacking instructor, she specializes in leadership, communication, and low impact backpacking techniques. She has guided for many organizations in a variety of places, but always finds her way back to Yellowstone country where she feels education of the ecosystem is of utmost importance.

WAYNE PHILLIPS (13) is a former Forest Service ecologist who now teaches and writes about the flora of the Central and Northern Rocky Mountains, and is active in the Montana Native Plant Society. He wrote *Central Rocky Mountain Wildflowers*, *Northern Rocky Mountain Wildflowers*, and *Plants of the Lewis and Clark Expedition*.

HAROLD PICTON, PH.D. (10, 22, 23) is emeritus professor of wildlife at Montana State University and studies herbivores, carnivores, and wildlife management history. He and more than 50 previous graduate students have published more than 100 articles in both the scientific and popular press, many of which deal with the Yellowstone area.

KENNETH PIERCE, PH.D. (19) retired from the U.S. Geological Survey where he studied the geologic origin of Rocky Mountain landscapes. He received the Kirk Bryan Award of the Geological Society of America for his report on the glacial geology of northern Yellowstone. He co-authored *Interpreting the Landscape: Recent and Ongoing Geology of Grand Teton and Yellowstone National Parks* and *Creation of the Teton Landscape*, and is exploring geologic controls on Yellowstone's ecology.

STEVE PRIMM, M.A. (12) is Field Director for Keystone Conservation. He has conducted field research, and worked on projects involving community-based conservation and backcountry food storage. Steve has published articles on carnivore conservation and ecosystem management in *Conservation Biology and Policy Sciences*, and contributed chapters to the book, *Co-existing with Large Carnivores: Lessons from Greater Yellowstone*.

Photo: Karen Withrow

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JAMES PRITCHARD, PH.D.

(18) teaches the history of wildlife in North America, renewable resources, and natural resource policy at Iowa State University. He is the author of *Preserving Yellowstone's Natural Conditions: Science and the Perception of Nature*, and co-author of *A Field Guide to Butterflies of the Greater Yellowstone Ecosystem*.

LESLIE J. QUINN, M.ED.

(18, 25) trains park bus tour guides, boat guides, and wranglers for Xanterra Parks and Resorts in Yellowstone. He also contributes to *Yellowstone Science*. His special interests include Yellowstone Park village history, the Howard Eaton Trail, and the maritime history of Yellowstone Lake.

ANNA-LOUISE REYSENBACH, PH.D.

(21) studies the ecology of microorganisms from high temperature environments. Over the past decade, her work has taken her to the thermal springs of Yellowstone National Park, Iceland, New Zealand, and the Azores, and in research submersibles to the deep-sea hydrothermal vents along the mid-oceanic ridges. She teaches at Portland State University, Oregon.

RUTH RUDNER (26) focuses her writing on the American West. She has written many articles for the *Wall Street Journal* and numerous books, including *A Chorus of Buffalo*, about the bison's struggle to exist among the harsh realities of human society in and around Yellowstone National Park. Her most recent books are *Our National Parks*, a collaboration with David Muench, and *Ask Now the Beasts*.

TONI RUTH, PH.D.

(28) has studied cougars and other large carnivores in habitats throughout the United States—including Yellowstone. She spent many winters snowshoeing the park's backcountry studying how wolf reintroduction affected cougars; now she is writing a book about that project. She is currently a contract biologist with the Selway Institute in Bellevue, Idaho.

EDWARD SCHAUSTER, M.S.

(26, 28) earned his graduate degree in wildlife biology and has studied many species, including coyotes in the Lamar Valley and swift foxes and coyotes in Colorado. He resides in Driggs, Idaho, where he is an EMT, teaches for the Wilderness Medicine Institute and National Outdoor Leadership School (NOLS), and is on the ski patrol at Grand Targhee Resort.

AARON SCHUERR (19) has taken many trips to Yellowstone from his home in Livingston, Montana, to capture the park's varied landscapes in luminous paintings. His art has been featured in *The Montana Quarterly*, *The Pastel Journal*, and *Artist's Magazine*. His work has been shown with the Pastel Society of America, at the C.M. Russell Auction and Exhibition, and in galleries throughout the West.

NANCY SEILER (24) creates her detailed botanical illustrations in graphite, pen & ink, colored pencil, and watercolor. An experienced instructor, Seiler received her certificate in botanical illustration through The Denver Botanic Gardens. She is a member of the Montana Native Plant Society, the Rocky Mountain Society of Botanical Artists, and the American Society of Botanical Artists.

CHRISTINE SMITH (15) previously taught high school wildlife biology and now works in the research permit office in Yellowstone National Park, helping to organize and regulate research in the park. She has lived in the Yellowstone area since 1994 and has worked with the Yellowstone Wolf Project since 1999.

DOUGLAS SMITH, PH.D.

(11, 15) leads the Yellowstone Wolf Project. He has published widely on the subject in magazines, books, and scientific journals. He is the co-author of *The Wolves of Yellowstone* and *Decade of the Wolf*, a summary of the first ten years of wolf recovery in Yellowstone. He also appears in the National Geographic video entitled *Return of the Wolf*.

ROBERT W. SPOELHOF, PH.D.

(14) teaches an annual course at Calvin College on the geology of the national parks and is an interpretive park ranger at Yellowstone and Death Valley national parks. His specialty is clarifying geologic complexity for the public. Before working in Yellowstone, Bob spent 27 years as an exploration geologist specializing in the Rocky Mountain region.

DAN STAHLER, PH.D

STUDENT (18, 28, 30) has studied wolves since 1996. He earned his master's degree studying the relationship between Yellowstone's ravens and wolves, and is now researching wolf social dynamics for his doctorate. He is the project biologist for the Yellowstone Wolf Project where he helps coordinate and direct research on wolves, their prey, and scavenger communities.

PEG STEUNENBERG

(21) illustrates the natural world with the precision and detail of her discipline, science illustration. Her work has appeared in publications, the Nature Company's product line, and her own educational products, and has been shown in exhibitions at the Smithsonian Museum of Natural History and other museums. In 2000, she received the Gold Award from the San Francisco Society of Illustrators.

ROSEMARY SUCEC, M.A.

(16) is the liaison between Yellowstone National Park and its 26 associated tribes. She communicates with the tribes, facilitates their official visits to the park, and arranges government-to-government consultations. A cultural anthropologist for Yellowstone National Park, she has worked more than ten years with the National Park Service, most of it at the Regional Office in Denver.

RHEA TOPPING (21) runs Mayfly Adventures Fly Fishing Schools on her casting pond near Washington, D.C. She is the second woman to be certified as a Master Casting Instructor worldwide by the Federation of Fly Fishers and was named Woman of the Year by that organization in 1999. She teaches and guides in Argentina, Spain, and the United States, and is author of *Rod Rage*, the first book written on fly-fishing etiquette.

Photo: Karen Withrow

JON TRAPP, M.A. (10) serves as wolf specialist for Montana Fish, Wildlife, and Parks. He has worked for the Mexican Wolf Program, the Nez Perce Wolf Program, and for the U.S. Fish and Wildlife Service on Wyoming wolf management. He earned his master's degree in conservation biology from Prescott College.

NATHAN VARLEY, PH.D. (9, 13, 18, 26, 28, 29, 30) is a natural historian specializing in the Greater Yellowstone Ecosystem. His research focuses on Yellowstone's large mammals, including wolves, elk, bears, and bison. His dissertation at the University of Alberta was on the effects of wolf restoration on elk in the park's Northern Range.

JENNIFER WHIPPLE, M.A. (13) brings enthusiasm and expertise to her work as botanist for Yellowstone National Park. She has lived in Yellowstone for more than 25 years and taught many classes in botany for the Institute. She also has taught plant taxonomy and grass identification labs at Humboldt State University, is former president of the Wyoming Native Plant Society, and co-authored the *Wyoming Rare Plant Field Guide*.

LEE WHITTLESEY, M.A., J.D., PH.D. (HON.) (18, 22) can tell you who named Old Faithful, when it happened, and probably what the weather was. He is Yellowstone National Park's historian. He has written more than a half dozen books about the park, including *Death In Yellowstone* and *A Guide to Yellowstone Waterfalls and Their Discovery*. His most recent book is *Storytelling in Yellowstone: Horse-and-Buggy Tour Guides in the Grand Old Park, 1872-1920*.

WILDERNESS MEDICINE INSTITUTE (10), an institute of the National Outdoor Leadership School (NOLS) has been a leader in wilderness medicine education since 1976. WMI provides all levels of wilderness medicine training for state and federal agencies, colleges, and outdoor programs throughout the West.

JASON WILMOT, M.E.M. (12) is the Executive Director of the Northern Rockies Conservation Cooperative in Jackson, Wyoming. He is the lead field biologist with the Absaroka Beartooth Wolverine Project, and is a contributor to *Co-existing with Large Carnivores: Lessons from Greater Yellowstone*.

MIKE YOCHIM, PH.D. (29) earned his doctorate by examining public interest group influence on national park policy. For more than 15 years, he has educated visitors about Yellowstone and now works on winter use management and other park policies. He has published articles on elk management, reclamation, kayaking, and conservation in Yellowstone, and is writing a book about the history of winter use in the park.

SUSAN ZWINGER, PH.D. (14) infuses her teaching with her enthusiasm, curiosity, knowledge, and extensive art and writing experience. She avidly explores natural areas and environmental issues, bringing them to audiences through her many articles and books. She has published more than 70 poems; her first of five natural history books, *Stalking the Ice Dragon*, won the 1992 Governor's Writers Award.

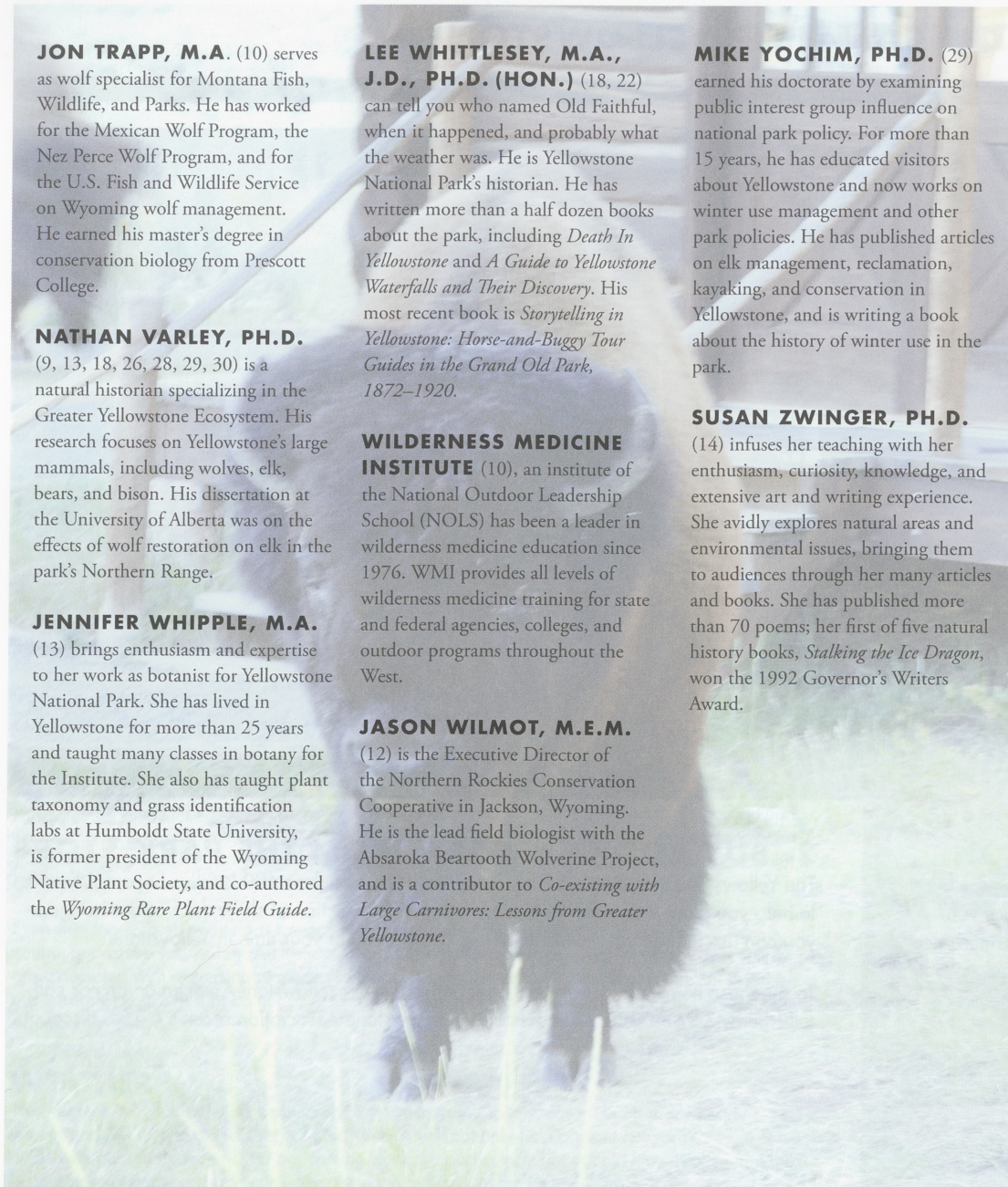


Photo: Karen Withrow



Photo: Karen Withrow

Members of the Yellowstone Association receive a \$10 discount.

TWO WAYS YOU CAN HELP YELLOWSTONE



Photo: Bridget Lyons

1. JOIN THE YELLOWSTONE ASSOCIATION

Now that you know about our classes, find out more about the Yellowstone Association. By joining, you'll increase your support for Yellowstone National Park and reduce your class fees. The Yellowstone Association has been the park's official educational partner since 1933, providing a wide range of educational programs and services designed to help people understand and enjoy this remarkable place. We believe education is the best way to protect wild places, and we need *your* help to preserve Yellowstone for future generations.

To become a member, please complete the membership section on the Institute registration form on page 38 or join online at www.YellowstoneAssociation.org. You'll receive benefits including a \$10 discount on each Institute course that you attend, a 15% discount on products at our Park Store, and a subscription to our quarterly newsletter, *Yellowstone Discovery*.

2. BUY BOOKS & GEAR FROM THE PARK STORE

The Yellowstone Association's Park Store features more than 600 books, maps, and videos to help you plan your visit. You'll also find a wide selection of shirts, hats and other gear you can use in the field—and which will remind you of your time in Yellowstone.

To purchase items, please visit the Park Store at www.YellowstoneAssociation.org or call toll-free 877-967-0090. Members of the Yellowstone Association receive a 15% discount.

Proceeds from memberships and purchases are donated to the National Park Service to support education and research in Yellowstone.

Visit our website at www.YellowstoneAssociation.org or call 307-344-2294.

GENERAL INFORMATION

ALTITUDE

Most of Yellowstone Park is above 6,000 feet. If you live at or are coming from altitudes below 5,000 feet, allow at least one acclimatization day before beginning strenuous activity. This will give your body time to begin adjusting to the altitude.

RELEASE FROM LEGAL LIABILITY AND COLLECTION OF HEALTH INFORMATION

On receipt of your completed registration form, we will send you an Assumption of Risks/Release of Liability form. All participants, including minors, are required to sign and return these forms. We will also send a form that will help us identify medical conditions that could be affected by the environment or activity. All information on your health form will remain confidential and will be reviewed only by Institute personnel or a licensed physician.

SAFETY, RESPONSIBILITY, AND RISK

Your safety is important to the Institute. We have established procedures to minimize the potential for medical emergencies and to provide an appropriate response, should an emergency occur. All members of the Institute staff are expected to follow these procedures. Our staff has also received training in driver safety, wilderness first aid, and the use of portable emergency radios.

Once you enroll, you will need to complete a health form and fully and accurately inform Institute staff of relevant medical conditions that could affect your well being and the well being of others on your trip. Specifically, we will want to know if you have any conditions that can be aggravated by the environment of Yellowstone (e.g., altitude; dry, hot summer weather; smoke from nearby fires, etc.), by the activity or workload, or might otherwise cause you to be a risk to yourself or others. The Institute needs and expects you to take an active role in protecting yourself. You will be asked to obtain and arrive with proper clothing and equipment. (A list with recommendations will be provided for your convenience.) Once you arrive, you will be expected to continually monitor your condition, stay hydrated and well fed, make prudent decisions, and keep Institute staff informed of your status and well being. If and when you see any type of potential danger, you should make sure you point it out to your course leader and your co-participants.

Even with these combined efforts toward participant safety, it is important that you realize we cannot guarantee your safety. All Institute programs entail inherent risk; many of these risks simply are associated with exercising at moderate altitudes in mountainous or wilderness terrain. Even in our leisurely programs that do not stray far from developed areas, advanced medical care may be significantly delayed.

WEATHER

The weather in Yellowstone Park obviously varies according to the season, but it is dry nearly year-round. Be sure to drink plenty of fluids, which will not only help prevent dehydration, but can assist with acclimatization. If you are coming during a particularly hot or cold time, realize that the temperature extreme can add considerably to the difficulty of the course.



Photo: Karen Withrow

Members of the Yellowstone Association receive a \$10 discount.

2007 REGISTRATION/MEMBERSHIP FORM

Name _____

Address _____

City _____ State _____ Zip _____

Home Phone _____ Business Phone _____

Cell Number _____ Email Address _____

Birthday ____/____/____

- ☐ Check here if you would like to receive Yellowstone Association information and updates such as additional course offerings and member benefits, or special discounts on items in the Park Store by email. (We do not share your email address without your permission.)

Where can you be reached one month prior to the course? (if different than above) _____

ADDRESS _____

TELEPHONE _____

- ☐ I have read the refund policy and understand to receive a refund, I must cancel at least 60 days before a course and pay \$35 course processing fee.

- ☐ Check here if you are a current member of the Yellowstone Association or are joining now.

MEMBERSHIP INFORMATION

- ☐ Renewing ☐ Joining

Memberships are family memberships, and include children through the age of 18. One membership card is usually issued per family. Additional cards are available upon request.

Annual Membership Dues:

- ☐ General \$30*
☐ Gibbon \$50
☐ Firehole \$100
☐ Lewis \$250
☐ Madison \$500

The Yellowstone Society

- ☐ Lamar \$1,000
☐ Gallatin \$2,500
☐ Bechler \$5,000

MEMBERS NOTE:

Members receive a \$10 per course discount. If you are a Yellowstone Association member, be sure to deduct \$10 from each course cost when calculating tuition!

Course #	Title	Dates	Tuition
1.			
2.			
3.			

Lodging:

- ☐ I want to stay at the Institute cabins at Lamar the following nights at \$25/night.

Dates _____

- ☐ Male ☐ Female (Please check for cabin lodging.)
☐ My class does not meet at the Lamar facility. See course descriptions for recommended lodging or contact the registrar.
☐ I will make my own lodging or camping arrangements.

Total tuition fee(s) \$ _____

Cabin fee(s) at \$25 per person per night _____

Membership (optional, see left) _____

Total Enclosed \$ _____

Payment by: ☐ Check ☐ American Express ☐ Discover ☐ MasterCard ☐ Visa

Credit Card# _____ Exp. Date _____

Signature _____

Would you prefer to receive your pre-course letter via email ☐ or regular mail? ☐ _____
 This will be sent approximately 4 weeks prior to your course.

Mail to:
 Yellowstone Association Institute
 P.O. Box 117
 Yellowstone Park, WY 82190

Fax to:
 307-344-2485

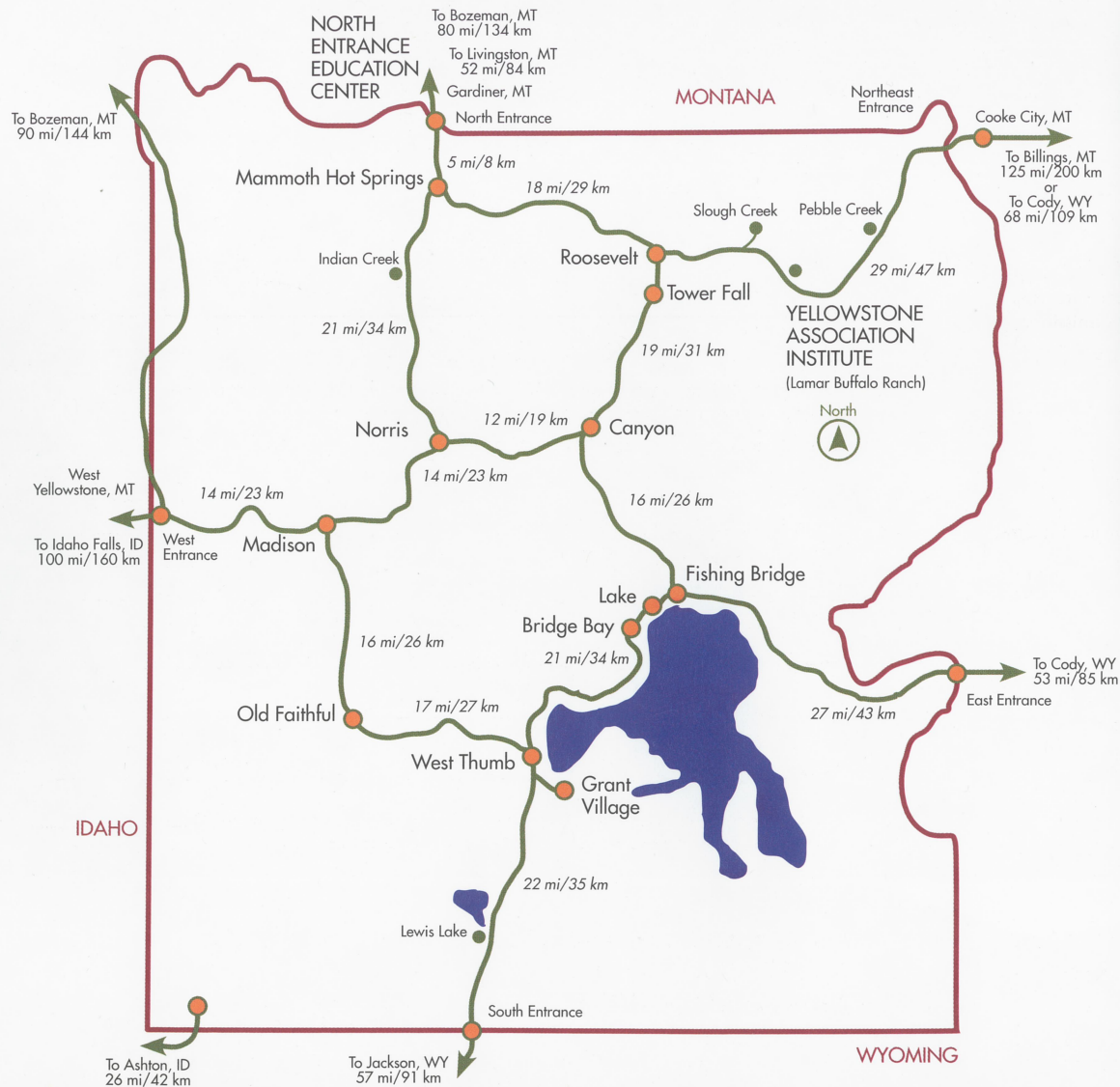
Telephone:
 307-344-2294

* General membership dues will change to \$35 effective April 1, 2007.

Please duplicate this form for multiple participants, or go to our website for additional forms.

Visit our website at www.YellowstoneAssociation.org or call 307-344-2294.

TRAVEL INFORMATION



Directory

Camping & Park Information
National Park Service
Visitor Services 307-344-7381
www.nps.gov/yell/

Lodging, Campground, Activity Bookings
Xanterra Parks & Resorts
307-344-7311
www.travelyellowstone.com

Wyoming Travel Information
Wyoming Division of Tourism
800-225-5996
www.wyomingtourism.org

Montana Travel Information
Official State Travel Information
800-847-4868
www.visitmt.com

Airports

Distances/Auto Travel Times To Lamar Buffalo Ranch Field Campus

Billings, MT	From Billings	
	via Red Lodge	143 mi. 3 1/2 hrs.
	via Livingston	207 mi. 3 3/4 hrs.
Bozeman, MT	From Bozeman	
	via Livingston	118 mi. 2 1/2 hrs.
Cody, WY	From Cody	
	via East Entrance	126 mi. 3 hrs.
	via Northeast Entrance	84 mi. 2 1/4 hrs.
Idaho Falls, ID	From Idaho Falls	240 mi. 4 1/2 hrs.
Jackson, WY	From Jackson	146 mi. 3 1/2 hrs.
West Yellowstone, MT	From West Yellowstone	70 mi. 2 hrs.

Plan on extra driving time in the park.
The speed limit is 45 mph or lower.

Members of the Yellowstone Association receive a \$10 discount.



YELLOWSTONE
ASSOCIATION
INSTITUTE

P.O. Box 117
Yellowstone National Park
Wyoming 82190

www.YellowstoneAssociation.org

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