

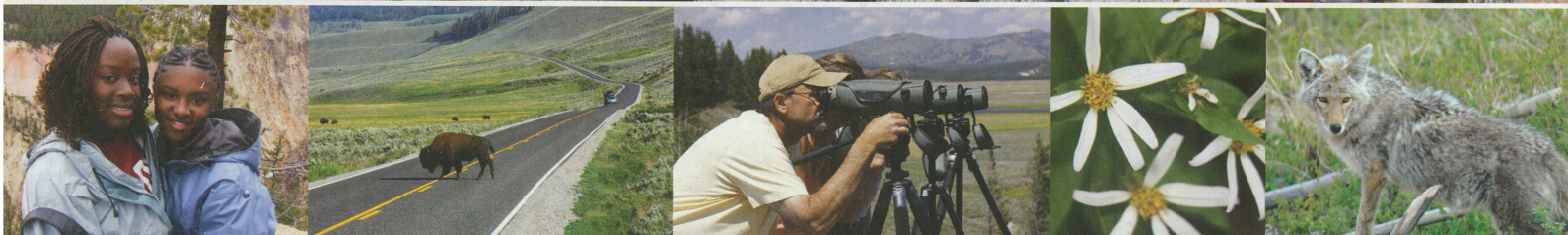


YELLOWSTONE
ASSOCIATION
INSTITUTE

EDUCATIONAL PROGRAMS ☀ SUMMER 2013



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YI Collection



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

PROGRAM TYPES AND ACTIVITY LEVELS

Whether you are coming to Yellowstone for the first time with friends or family, or this is your umpteenth trip and you want to pursue a special interest, we have a program for you. The Yellowstone Association Institute, in partnership with the National Park Service, provides educational programming that helps connect people to Yellowstone National Park and our natural world. Our adult and family programs fall into three categories—Lodging and Learning, Private Tours, and Field Seminars—all defined here. **New this year: youth programs for organized groups from middle-school-age through college-age.**

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YOUTH PROGRAMS

provide middle-school-age through college-age groups an opportunity to develop a deeper connection to Yellowstone. Register any time. Call 406-848-2400. See page 4.

LODGING AND LEARNING

packages include lodging, most meals, plus daily field trips, in-park transportation, and optional evening programs. Register any time. Call 406-848-2400. See page 6.

PRIVATE TOURS

let you choose daily outings to best fit your family or small group's itinerary, activity level, and interests. Register any time. Call 406-848-2400. See page 7.

FIELD SEMINARS

examine specific aspects of the park through a mix of fun field trips and classroom presentations. Registration for members begins February 6, 2013, at 8 a.m. mountain time; general registration begins one week later. Call 406-848-2400 or visit www.YellowstoneAssociation.org to register. See page 8.

HOW DOES ALL THIS WORK?

- Preview our summer offerings on the following pages.
- Visit our website for detailed program information, including lodging options, schedules, required clothing and equipment, and our payment and cancellation policy.
- Call us or visit our website to register.
- Soon after you enroll, you'll receive a confirmation packet from us. Please be sure to read it thoroughly and return any requested information as soon as possible. We want you to be prepared so you can have the time of your life.

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 in a field outing, you will need to carry a daypack—with 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 use 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 or the effects of Yellowstone's altitude or environment, please refer to your course letter on our website or call us at 406-848-2400.

ACTIVITY LEVEL SCALE

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

 Hikes up to 3 miles per day with elevation gains up to 600 feet. Some off-trail hiking possible.

 Brisk hikes up to 5 miles per day with occasional elevation gains up to 1000 feet in undulating terrain.

 Brisk aerobic hikes up to 8 miles per day with climbs up to 1500 feet on dirt trails. Loose rocks, uneven footing, and off-trail hiking are possible. Good coordination is recommended.

 Brisk aerobic, destination-oriented hiking up to 12 miles a day. Elevation changes up to 2000 feet on dirt trails or off-trail. Loose rock, uneven footing, steep hillside traverses, and stream crossings are possible. Good coordination is required.



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Cover Photos: YA, Antionette Stevenson, Karen Withrow, Diane Simpson

LODGING OPTIONS

Exclusively for Institute students: When you learn with us, you can stay with us! Many of our field seminars use the historic Lamar Buffalo Ranch as a base of operations. If your field seminar takes place at the Buffalo Ranch, you can stay there and enjoy the pristine wilderness setting. If your field seminar takes place in Gardiner, lodging may be available at the Yellowstone Overlook Field Campus. Inquire when you register. It's easy to book your lodging when signing up for your course.



"The quality of the cabins and the bath house were amazing! Hot water and tiled floors—like a nice hotel...in Lamar Valley."

Photo: YA

LAMAR BUFFALO RANCH FIELD CAMPUS

Far from other development, the ranch in Yellowstone's northeast corner offers comfortable lodging in a historic wilderness setting. You'll enjoy a log cabin with a propane heater, a bathhouse with private showers, and a common building with fully equipped kitchen where you prepare your own meals. Shared cabins are \$30 per person per night.

YELLOWSTONE OVERLOOK KENDEDA FIELD CAMPUS

Perfect for families and small groups, the Yellowstone Overlook features comfortable cabins on 80 acres, awe-inspiring views, and easy access to the northern section of the park. Cabins have self-serve kitchens for preparing meals and open floor plans perfect for group dining and evening activities. Enjoy our educational learning libraries. Groups that need a formal classroom setting can arrange to use the classrooms at our headquarters just down the hill in Gardiner.

Nightly Cabin Rates:

Cabin 1: \$400 per night for up to 12 people
Cabin 2: \$400 per night for up to 12 people
Cabin 3: \$200 per night for up to 5 people
Rates effective through October 31, 2013.



"The Yellowstone Overlook accommodations are spacious, bright, and new. The staff is terrific and the experiences are phenomenal. Thank you."

Photo: YA



Photo: DeAunte Offord

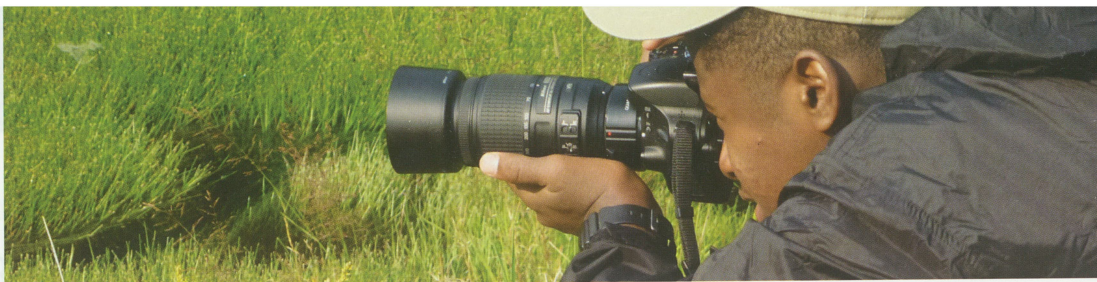


Photo: Joanna Papada

NEW!

YOUTH PROGRAMS

The Yellowstone Association is proud to announce three educational programs for organized youth groups from middle-school-age through college-age, as well as two new scholarship opportunities.

MY YELLOWSTONE ADVENTURE

For middle- and high-school-age groups

Bring your group to Yellowstone to experience parks and wild places. Students explore the natural history, geology, and cultural history of Yellowstone National Park, while learning about the significance of parks and wild places to all citizens. Explore canyons, waterfalls, and geyser basins. Track animals, watch wildlife, take photos, paint, and hike. Students will be led by instructors with extensive experience leading and teaching youth in outdoor settings. They will also interact with rangers, researchers, artists, and other people who have made a career of serving in public lands and interpreting their treasures for all to enjoy.

This affordable five-day program (as low as \$370 per person; rates vary with group size) is based in Gardiner, Montana, and includes an evening orientation and welcome, three full days exploring Yellowstone, closing ceremonies on the last morning, in-park transportation, and lodging at the Yellowstone Overlook Field Campus.

TUITION AND LODGING

Tuition and lodging are charged as a flat rate for your entire group.

Up to 14 participants: \$3,180 tuition plus \$1,600–2,400 lodging (depending on group size).

15–28 participants: \$6,360 tuition plus \$2,400–4,000 lodging (depending on group size).

STEWARDSHIP OF PUBLIC LANDS

For college-age groups

Introduce your students to the stewardship of United States public lands through the science, history, and politics of Yellowstone National Park in this program developed jointly by the Yellowstone Association and the American Association of State Colleges and Universities. Students will explore how resource issues on public lands are managed, how land managers deal with different viewpoints, and what role civil society plays in the stewardship of these lands.

We recommend a minimum of three to five days for this program.

Tuition: \$795 per day for up to 14 participants, \$1,590 per day for up to 28 participants

The program is based in Gardiner, Montana, and lodging is available at the Yellowstone Overlook Field Campus for an additional cost.

THE PROGRAM INCLUDES:

- Expert instructors who provide a field-based introduction to Yellowstone science, history, and politics. Key readings provided.
- In-depth case studies of Yellowstone resource issues—such as wolf reintroduction, bison and brucellosis, and winter use.
- Opportunities to meet with agency employees and private citizens to understand various perspectives on each issue.
- Small group discussions and activities about citizen engagement and stewardship of public lands across the country and in the students' home areas, and ways to find common ground among groups.



Photo: Danielle Chalfant



Photo: YA

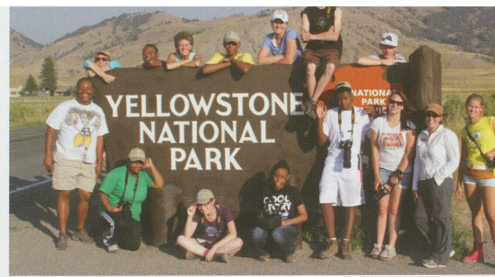


Photo: Park Journeys

YOUTH PROGRAMS

PRIVATE TOURS

For youth groups seeking a more tailored experience, the Institute offers private tours. Choose from four daily options, or combine days to create a custom program. Your group will be paired with an Institute instructor who will supplement our standard private tour options with itineraries and activities to meet the goals of your educational group. For tour options and rates, see Private Tours on page 7.

NEW! SCHOLARSHIPS

Teachers and youth are now eligible to apply for scholarships to attend our educational programs.

FOR TEACHERS: You play a critical role in connecting young people to parks and wild places. To honor this, the Yellowstone Association is offering full-tuition scholarships for teachers to participate in Institute field seminars.

FOR YOUTH: We want to help youth who otherwise might not be able to experience the wonders of Yellowstone by offering scholarships to youth groups that have nonprofit, tax-exempt status. The scholarships provide 25 percent off tuition and lodging at the Yellowstone Overlook Field Campus for the new youth programs described here (as much as \$2,590 off of the total cost of the program).

To find out more about these scholarships and to apply, call 406-848-2400 or visit www.YellowstoneAssociation.org

The National Park Service also offers educational resources and programs for youth and teachers. To learn more, visit www.nps.gov/yell/forteachers/index.htm



Photo: YA



Photo: YA

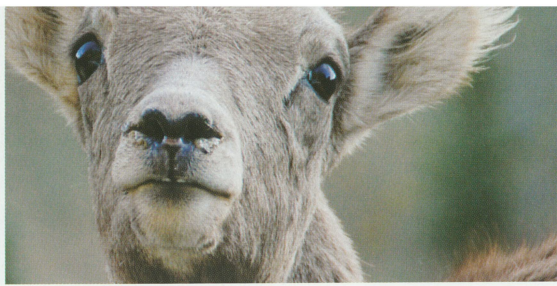


Photo: Diane Simpson

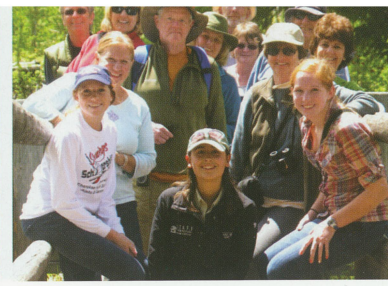


Photo: Danielle Chalfant

LODGING AND LEARNING PROGRAMS

Lodging and Learning programs combine just the right amount of education and recreation. You'll be based at park hotels and taught by our naturalist guides, who are intimately familiar with Yellowstone. Packages are offered in partnership with Xanterra Parks & Resorts® and include daily field trips, lodging, most meals, in-park transportation, and optional evening programs. This is our vacation package that covers almost everything and provides fun and discovery, too. Minimum age is 12 unless noted. Rates are double/single occupancy and don't include taxes or utility fees.

SPRING WOLF AND BEAR DISCOVERY

3-day programs offered May 11, 13, 15, 17, 19, 21, 23, 25, 27, 29
4 nights at Mammoth Hot Springs
\$699/\$949

Delve into the world of Yellowstone's wolves and bears as you enjoy early morning wildlife viewing; then learn about behavior, ecology, and conservation on leisurely hikes. ☀

ESSENTIAL YELLOWSTONE

4-day programs offered May 25, June 1, August 24, 31, September 21
5 nights at Lake Hotel
\$1,189/\$1,747

Our naturalists guide you in wildlife watching, walking the rim of Yellowstone's Grand Canyon, and learning about the park's geology. ☀

OLD TIMES ON THE GRAND TOUR

5-day programs offered May 19, 26, June 2, 9, 23, 30, July 14, 28, August 11, 18, 25, September 1, 8, 15
2 nights each at Mammoth Hot Springs, Old Faithful Snow Lodge, Lake Hotel
\$1,659/\$2,136

Tour the park in style in a classic Yellowstone bus with retractable top. Stay in the best park hotels and enjoy walking tours of historic and thermal areas. ☀

TRAILS THROUGH YELLOWSTONE

4-day programs offered Monday to Friday from May 27 to September 23
2 nights at Mammoth Hot Springs, 2 nights at Grant Village
\$869/\$1,149

Pack boots and daypacks. We'll hike specific trails to explore geysers, Yellowstone's Grand Canyon, and valleys full of wildlife. ☀

NEW FOR 2013: Our award-winning families program now spans multiple park locations, including Old Faithful!

YELLOWSTONE FOR FAMILIES

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

Mammoth and Old Faithful:
\$869/\$1,149/\$509 per child
Offered June 7, 12, 14, 17, 21, 24, 28, July 3, 5, 10, 12, 15, 19, 22, 26, 31, August 2, 7, 9, 14, 16
Mammoth and Grant:
\$869/\$1,149/\$509 per child
Offered June 7, 12, 14, 17, 21, 24, 28, July 3, 5, 10, 12, 15, 19, 22, 26, 31, August 2, 7, 9, 14, 16

Families with kids ages 8–12 join our naturalist to explore waterfalls and geysers, track animals, and work on Junior Ranger badges. ☀

SUMMER WILDLIFE EXPEDITION

4-day programs offered June 16, July 7, 21, August 4
2 nights at Mammoth Hot Springs, 2 nights at Lake Hotel
\$1,439/\$1,896

Search for and learn about wolves, bears, elk, bison, and more as an Institute naturalist guide takes you through Yellowstone by bus, by foot, and by boat. ☀

FALL WOLF AND ELK DISCOVERY

3-day programs offered August 23, 29, September 4, 10, 16, 22, 24, 28, October 1
4 nights at Mammoth Hot Springs
\$699/\$949

Delve into the world of Yellowstone's wolves and elk as you enjoy early morning wildlife viewing; then learn about behavior, ecology, and conservation on leisurely hikes. ☀

ROOSEVELT RENDEZVOUS

4-day programs offered September 6, 10, 14
4 nights at Roosevelt Lodge
\$759/\$897

It's camp for grown-ups. Choose a different half- or full-day field trip each day. Learn photography, read animal tracks, hike, or search for wolves. Enjoy buffet dinners and evening programs. ☀

"My family had a fantastic experience and our instructor was very knowledgeable and friendly and accommodating."

Photo: YA



Photo: Miley Stephens

Photo: YA

Photo: Miley Stephens

Photo: Miley Stephens

Photo: YA

PRIVATE TOURS

Private Tours offer daily options to best fit your itinerary and interests. Combine days for a longer stay. We'll make sure everything, including optional walks or hikes, matches your activity level. 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. Tuition includes instruction, transportation for the day, snacks, and use of high-power spotting scopes and binoculars. We'll also help your children work on their Junior Ranger badges. Meals and lodging are not included. Instructors will pick you up at your hotel.

WILDLIFE WATCHING ON THE NORTHERN RANGE

Start: 6 or 8 a.m. at Gardiner or Mammoth; 7 a.m. at Roosevelt or Lamar

Discover the diverse and abundant wildlife of Yellowstone's northern range. ☀

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

Start: 8 a.m. at Gardiner, Mammoth, Canyon, or Norris; 8:30 a.m. at Lake

Explore the natural and geologic history of the Grand Canyon and Yellowstone Lake areas.

GEYSERS, MUDPOTS, AND HOT SPRINGS: OLD FAITHFUL AREA

Start: 8 a.m. at Gardiner, Mammoth, or Norris; 8:30 a.m. at Madison or Old Faithful

Take an in-depth look at the world's greatest concentration of hydrothermal features, and learn why they do the things they do. ☀

DAY HIKING IN YELLOWSTONE

Start: 8 a.m. at Gardiner, Mammoth, Canyon, Norris, or Roosevelt; 8:30 a.m. at Lake, Madison, or Old Faithful

Travel Yellowstone on carefully chosen hikes that show you the park's diverse landscape. ☀

BACKPACKING IN YELLOWSTONE

Learn about natural history and wildlife with an instructor who will help you hike and camp comfortably. Call for specific details. Rates vary depending on group size and itinerary. ☀

TOUR LENGTH:

Approximately 8 hours per day.

DAILY TUITION RATES:

1-5 participants \$495
6-13 participants \$695
14-26 participants \$1,390

Rates effective through October 31, 2013.



"After a day on our own we realized even more strongly how important it was to have someone who knew the history and the facts about what we were seeing."

Photo: YA

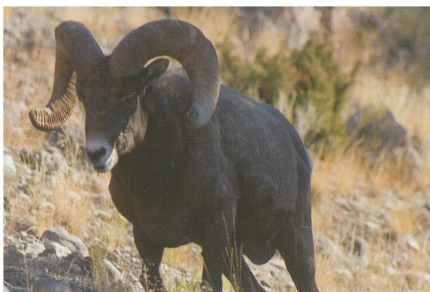


Photo: Bill Mahoney



Photo: Karen Withrow



Photo: YA

FIELD SEMINARS

Field Seminars examine specific aspects of the park ecosystem through just the right combination of fun field excursions and classroom presentations. Our seminar leaders are experts in their fields and include professors, naturalists, National Park Service staff, and acclaimed photographers, writers, historians, and artists. Courses are based either at the Lamar Buffalo Ranch Field Campus in the park's northeast corner or at the Yellowstone Overlook Field Campus in Gardiner, Montana. Minimum age is 18 unless otherwise noted. For classes with a minimum age of 18, children ages 16 and older are welcome if accompanied by an adult.

Teachers are now eligible to apply for scholarships to attend our field seminars. Teachers play a critical role in connecting young people to parks and wild places. To honor this, the Yellowstone Association is offering full-tuition scholarships for teachers to participate in Institute field seminars. Letters of completion are available for teachers who are using a field seminar to pursue continuing education or college credit. To find out more about these scholarships, and to apply, call 406-848-2400 or visit www.YellowstoneAssociation.org

“Learning about the geology of Yellowstone was truly an eye-opening experience. Seeing and learning about so much wildlife was...WILD!”

#501

CELEBRATE THE MARVELS OF MIGRATION

Start: May 11 at 7 p.m.
End: May 12 at 4 p.m.
Location: Gardiner, Montana
Instructor: Katy Duffy, M.S.
Limit: 13 • \$138

Each spring, migratory birds pour north across the continent as they hasten to breeding areas. Some stop here to nest, others to refuel before resuming their journey. Join us to welcome them. You'll enjoy an evening program about the birds you are likely to see and learn how birds weighing as little as a nickel find their way back to summer nesting sites. Rise up early the next morning for a day in the bird-rich habitats of Yellowstone's northern range. We'll drive to a number of sites to do the "birders' shuffle"—slowly walking to observe as many migrants as possible. ☀

#502

WILDLIFE WATCHING IN GRIZZLY COUNTRY

Start: May 13 at 1 p.m.
End: May 16 at 9 p.m.
Location: Gardiner, Montana
Instructor: Gene Ball
Limit: 13 • \$413

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. ☀



Photo: YA



Photo: Diane Simpson



Photo: Danielle Chalfant

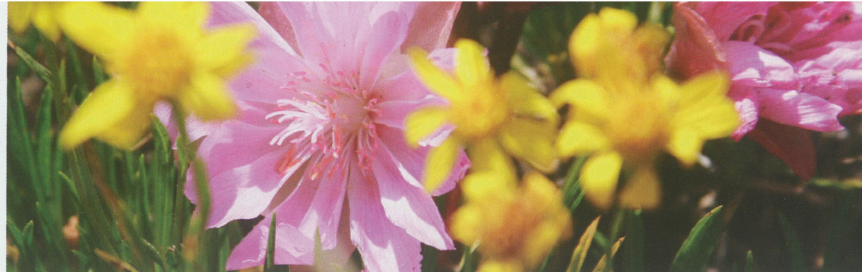


Photo: Terri Tipping

MAY FIELD SEMINARS

#503 - **LAMAR WILDLIFE GETAWAY**

Start: May 20 at 5:30 p.m.
End: May 24 at 9 a.m.
Location: Lamar Buffalo Ranch
Instructors: Institute Staff
Limit: 24 • \$770
Minimum age: 12
INCLUDES MEALS

Unplug, settle in, and roll with the rhythms of late spring in Yellowstone. Each morning you'll head out to search for wildlife. As you scan and observe, you'll learn about the animals' behavior and where they fit in the Yellowstone scene. Each afternoon, explore more of wild Yellowstone on hikes highlighting what's special about this time of year. You can choose from two hiking options each afternoon, such as easy natural history rambles, hunts for animal sign, and hikes to historic wildlife locations. You'll also learn about wildlife from experts in the field and during evening programs. ☀

#504 **WILDERNESS FIRST AID**

Start: May 21 at 8 a.m.
End: May 22 at 5 p.m.
Location: Gardiner, Montana
Instructors: Wilderness Medicine Institute Staff
Limit: 24 • \$250

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.

#505 **NEW! THE COMPLETE YELLOWSTONE**

Start: May 24 at 9 a.m.
End: May 28 at 5 p.m.
Location: Gardiner, Montana
Instructors: Jim Garry, M.S. and Brad Bulin, M.S.
Limit: 24 • \$715

From bison to wolves, pioneers to present, hot springs to volcanoes—you get the idea! This class is all things Yellowstone, as much as can be covered in five days. You'll explore the park during morning and evening field trips and dig even deeper during classroom discussions in the afternoon. Whether you are new to the Yellowstone area or a naturalist-in-training, join park experts to learn the details and inner workings of the world's first national park. ☀

#506 **INTRODUCTION TO WOLF MANAGEMENT AND ECOLOGY**

Start: May 25 at 5 p.m.
End: May 27 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Jon Trapp, M.A.
Limit: 13 • \$248

In this class, you can walk in the footsteps of wolf biologists—literally. You'll visit some of the original reintroduction sites, following the trails worn by the biologists' daily visits. Stop at roadside locations where park biologists listen for signals from radio-collared wolves. And discuss questions such as: How have wolves affected coyotes, grizzlies, cougars, ravens, and vegetation in Yellowstone? Can wolves survive outside the protection of the park? What happens now that wolves are no longer an endangered species? You will be up early and out late looking for wolves. Be prepared for time outdoors in any weather. ☀

#507 **WHO'S THERE? OWLS IN YELLOWSTONE**

Start: May 25 at 9 a.m.
End: May 26 at 12 p.m.
Location: Lamar Buffalo Ranch
Instructor: Katy Duffy, M.S.
Limit: 13 • \$165

Are you fascinated by owls—their huge eyes and fabled hearing, their secretive habits and cryptic beauty? Through talks and field trips, you'll explore how these adaptations work and why they help owls successfully live in Yellowstone. Visit places in the park that owls call home to find out why these habitats work so well for them. You'll learn to read other park landscapes for signs of good owl habitat, and read signs that these secretive birds leave as clues. You might even see owls hunting in daylight—and find out why this suits them so well. ☀

#508 **THE WOLVES OF YELLOWSTONE**

Start: May 27 at 9 a.m.
End: May 29 at 4 p.m.
Location: Gardiner, Montana
Instructor: George Bumann, M.S.
Limit: 13 • \$330

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. ☀

THE FOUR MONTHS OF SPRING

In Yellowstone, you can experience the excitement of spring's new beginnings from March through June, as the growing season climbs from the park's lowlands to its high-altitude meadows. March, bluebird flocks are turning the brown ground blue along the Old Yellowstone Trail, long before much of anything green is showing. But soon the sharp-eyed wanderer will start seeing the ground-hugging rosettes of bitterroot leaves. Later in spring, splashes of yellow from arrowleaf balsamroot show up on the slopes around Mammoth Hot Springs, marking the start of a wildflower show that marches ever higher with each week. When a riotous palette colors the meadows of Mount Washburn, you've found the last big show of spring. Summer has come to Yellowstone.



Photo: Diane Simpson



Photo: Dave Hopkins



Photo: YA

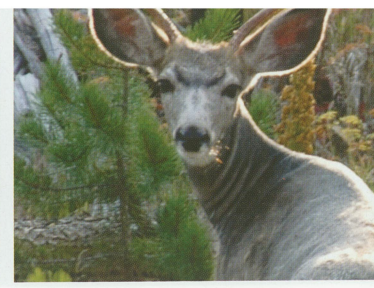


Photo: Diane Simpson

MAY – JUNE FIELD SEMINARS

THE WOMAN BEHIND THE MOLLIE'S PACK

If you are lucky enough to see a wolf in Yellowstone, thank Mollie Beattie. She was the first woman to serve as director of the U.S. Fish and Wildlife Service and led that agency during the efforts to reintroduce wolves to Yellowstone. Together with then Secretary of the Interior Bruce Babbitt, she helped carry the first crate of wolves to the Crystal Creek holding pen on January 12, 1995. Her work on behalf of all things wild ended when she succumbed to brain cancer, but her memory is honored twice in the wild areas of the United States. Here in Yellowstone, a wolf pack carries her name. In Alaska, her name graces a wilderness area in the Arctic National Wildlife Refuge.



Photo: NPS/Jim Peaco

#509 

MAMMAL SIGNS: INTERPRETING TRACKS, SCAT, AND HAIR

Start: May 28 at 9 a.m.
End: May 31 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Jim Halfpenny, Ph.D.
Limit: 13 • \$455

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, identifying prints, 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. ☀

#510 

SPRING INTO WILDLIFE PHOTOGRAPHY

Start: May 30 at 9 a.m.
End: June 2 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Meg Sommers
Limit: 13 • \$455

Calling all beginning and intermediate photographers! Now is the time to learn tips for photographing Yellowstone's spring wildlife action. You'll spend most of the day outdoors, learning how animals big and small behave and where they are—keys to finding them for your photos. You'll also practice photographic fundamentals, techniques, and the ethics of wildlife photography. In class sessions, you'll focus on composition, lighting, equipment, and computer skills. So pack your digital camera and tripod and head into the wild that is spring in Yellowstone. ☀

#601  **NEW!**

DRAWING THE LANDSCAPES OF YELLOWSTONE

Start: June 1 at 7 p.m.
End: June 4 at 4 p.m.
Location: Gardiner, Montana
Instructor: Alan Petersen, M.A.
Limit: 13 • \$358

How did Thomas Moran begin his memorable paintings of Yellowstone? The same way you will learn in this class—by using time-tested drawing and observation skills to capture the forms and details of the land. You'll learn these techniques during two indoor sessions, and then spend the rest of the time outdoors applying what you've learned to create your own landscapes. Whether you are new to drawing or experienced, you'll learn to see Yellowstone National Park in a new way. ☀

#602 

BEARS: BONES, SIGNS, AND STORIES

Start: June 1 at 9 a.m.
End: June 4 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructors: Jim Garry, M.S. and Jim Halfpenny, Ph.D.
Limit: 12 • \$530

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 Jim Halfpenny and about the rich cultural history of bears from folklorist Jim Garry. We will observe these magnificent bears during the field trips. ☀

#603 

SPRING BABIES

Start: June 3 at 9 a.m.
End: June 4 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Shauna Baron
Limit: 13 • \$220

It's spring! And time to look for spring babies in the wilds of Yellowstone. You'll look for bear cubs, wolf pups, bison calves, elk calves, bighorn lambs, and lots of young birds. Find them with spotting scopes and binoculars, and by taking short walks to better vantage points. As you search, you'll also talk about why species choose certain birthing grounds and how they protect and raise their young. Expect to be outside from before dawn through the day to after sundown. Even so, you'll have plenty of free time to enjoy all aspects of Yellowstone's vibrant spring. ☀

#604 

THE PLEASURE OF PLEIN AIR WATERCOLOR

Start: June 5 at 7 p.m.
End: June 8 at 4 p.m.
Location: Gardiner, Montana
Instructor: Molly Hashimoto
Limit: 13 • \$358

Discover the pleasures of plein air (open air) painting in Yellowstone, capturing the park's flowing travertine terraces, simmering hot springs, and dramatic canyons in watercolor. Enjoy studio time in Gardiner learning techniques and developing your palette. Practice each day outdoors at one of the park's spectacular locations. Enjoy evening talks by Alan Petersen, instructor of course #601, "Drawing the Landscapes of Yellowstone," and an expert on watercolorist Gunnar Widforss. You'll also have the opportunity to view Yellowstone's magnificent art collection, which includes works by Widforss and other renowned landscape painters who have inspired artists around the world. ☀



Photo: YA



Photo: Karen Withrow

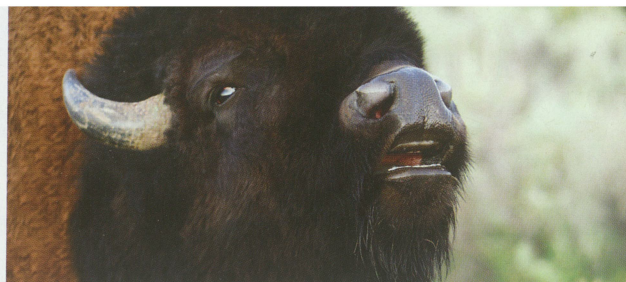


Photo: YA

JUNE FIELD SEMINARS

#605    

LAMAR WILDLIFE GETAWAY

Start: June 5 at 5:30 p.m.

End: June 9 at 9 a.m.

Location: Lamar Buffalo Ranch

Instructors: Institute Staff

Limit: 24 • \$770

Minimum age: 12

INCLUDES MEALS

Unplug, settle in, and roll with the rhythms of early summer in Yellowstone. Each morning you'll head out to search for wildlife. As you scan and observe, you'll learn about the animals' behavior and where they fit in the Yellowstone scene. Each afternoon, explore more of wild Yellowstone on hikes highlighting what's special about this time of year. You can choose from two hiking options each afternoon, such as easy natural history rambles, hunts for animal sign, and hikes to historic wildlife locations. You'll also learn about wildlife from experts in the field and during evening programs. ☀

#607 

DUDES, SAVAGES, AND STAGECOACHES

Start: June 14 at 8:30 a.m.

End: June 16 at 4 p.m.

Location: Gardiner, Montana

Instructor: Lee Whittlesey, M.A., J.D.,

Ph.D. (Hon)

Limit: 13 • \$330

Come along on this first-class trip through the old days and olden ways of stagecoach travel in Yellowstone National Park. Your guide is the park's historian, who sets the stage of 19th-century politics, geography, and the evolution of tourism. You'll hear his stories, read travelers' handwritten diaries, and view old photographs showing the travails and joys of very determined visitors. You'll find out what camping meant in those long-ago days—and also discover the beauty, poetry, and wonder that made this period such a magical time in the history of the world's first national park.

#608 

THE BEARS OF GREATER YELLOWSTONE

Start: June 15 at 9 a.m.

End: June 16 at 5 p.m.

Location: Lamar Buffalo Ranch

Instructor: Sue Consolo-Murphy, M.S.

Limit: 13 • \$248

June is the month when grizzly bears roam nose to the ground, searching for elk calves and other vulnerable prey. You'll be in the midst of the bruin action, learning about bear biology and behavior through presentations, field trips, and discussions. You'll also practice simple ways to keep yourself—and bears—safe while you and the bears are both out and about in Yellowstone. ☀

#609   

EMERGING KNOWLEDGE OF WOLVES

Start: June 15 at 9 a.m.

End: June 17 at 3 p.m.

Location: Lamar Buffalo Ranch

Instructors: Matt Metz, M.S., Kira

Quimby, M.S., and Emily Staggs

Almberg, M.S.

Limit: 12 • \$390

Join leading wolf researchers to dig deeper into the ecology and behavior of wolves. You'll go into the field looking for wolves and participate in class discussions about what the researchers are learning. Their work addresses important topics such as how summer patterns of wolf hunting vary from winter. What do wolves hunt, how often, and where? You'll find out how pack characteristics influence wolf interactions, and how diseases such as canine distemper and mange affect their populations. ☀

#606  **NEW!**

WOMEN IN WONDERLAND

Start: June 11 at 9 a.m.

End: June 12 at 5 p.m.

Location: Gardiner, Montana

Instructor: Elizabeth Watry, M.A.

Limit: 13 • \$220

Come explore the lives, legends, and legacies of fourteen remarkable women who figured significantly in the development of Yellowstone National Park. From developing nature trails to researching bison and plants to supplying visitors with lodging and curios, these spirited, ambitious, and independent women have long gone uncelebrated. Learn of their contributions, visit some of the places they worked, and celebrate their lives through engaging discussions and field trips. ☀

Photo: YA

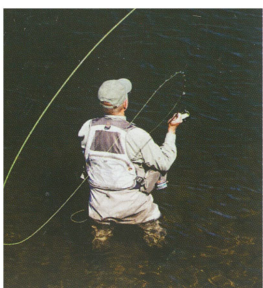


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JUNE FIELD SEMINARS

#610 **NEW!** SOARING OVER YELLOWSTONE: EAGLES

Start: June 17 at 9 a.m.
End: June 18 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Brad Bulin, M.S.
Limit: 13 • \$220

The Lamar Valley is home to both the bald eagle, famous symbol of the United States, and its cousin the golden eagle. You'll have plenty of opportunity to look for them while learning about their similarities and differences. Find out—and perhaps observe—their status in the complex community that collects at large animal carcasses. Discuss their impact on different American cultures—from their role in tribal ceremonies to the fear they inspire in some people. Study how eagles escaped extinction in the 20th century, and what researchers in Yellowstone are discovering about them today. ☀

#611 GHOST HOTELS

Start: June 19 at 8 a.m.
End: June 20 at 5 p.m.
Location: Old Faithful
Instructor: Leslie Quinn, M.Ed.
Limit: 13 • \$220

This is your chance to tour Yellowstone while learning about its ghost hotels and other historical oddities. Which park hostelry did an English nobleman describe as “the last outpost of civilization”? Was the Canyon Hotel lost because of a conspiracy to make the new Canyon Lodge viable? Do you really drive right through a now-vanished tunnel somewhere on the Grand Loop Road? You'll uncover other fun pieces of Yellowstone's history through antique photographs and stories told by your instructor, a park hotel expert. Rooms will be held until 30 days prior to the course. Call 307-344-5566 for rates and reservations. ☀

#612 THE ECOLOGY OF FEAR: WOLVES, ELK, AND TROPHIC CASCADES

Start: June 19 at 5 p.m.
End: June 22 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Cristina Eisenberg, Ph.D.
Limit: 13 • \$368

Immerse yourself in one of Yellowstone's hottest wildlife topics: How the “ecology of fear” between wolves and elk affects the Lamar Valley. Classroom discussions introduce you to the fundamentals of this concept and its relationship to a trophic cascade—an ecological change cascading through the ecosystem, affecting many of its inhabitants. Field work introduces you to classic field research tools and methods that you will use to search for evidence of this trophic cascade. As you follow the cascade, discover how wolves affect elk, aspen, songbirds, beavers, butterflies, and other Yellowstone inhabitants. ☀

#614 FLY FISHING FOR BEGINNERS

Start: June 22 at 9 a.m.
End: June 24 at 5 p.m.
Location: Gardiner, Montana
Instructor: Matt Wilhelm
Limit: 8 • \$355

Wily trout await you in the legendary fly-fishing waters of Yellowstone National Park. Learn how to catch them with classic fly-fishing techniques that you learn on dry land and practice in the park's streams and rivers. In class and during a visit to a local fly shop, you'll find out how to choose and use the right gear. On the water, learn to select flies for different conditions and how to read water to improve your success. In between casts, you'll look beneath the surface to examine the world of trout and the aquatic insects they depend on. ☀

#615 OFF-TRAIL HIKING ON THE NORTHERN RANGE

Start: June 23 at 7 p.m.
End: June 26 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Julianne Baker, M.A.
Limit: 13 • \$358

Barbara Kingsolver has written: “People need wild places... We need to be able to taste grace and know once again that we desire it.” Hiking off-trail in the northern range is to taste Yellowstone's grace. You'll explore this area of grassy meadows and sagebrush while enjoying wide vistas, easy route finding, and zigzag meanderings. After an evening to review the basics of safe, comfortable, low-impact backcountry travel, and a short morning meeting to review map-reading skills, you will head off the beaten path on hikes ranging up to 5 miles with climbs up to 1000 feet. Come wander this wild, seldom-seen place.

#613 **NEW!** BISON AND WOLVES: KEYSTONES OF CONTROVERSY

Start: June 21 at 7 p.m.
End: June 24 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Brad Bulin, M.S.
Limit: 13 • \$363

Yellowstone National Park is at the center of the past, present, and future of bison and wolves in North America—and the center of disagreements about both species. They are icons of the park and symbols of its conservation successes, yet they are villains to others. In this class, you'll talk with biologists, conservationists, area ranchers, and others who have varying opinions about wolves and bison in Yellowstone. Throughout the class, you'll also learn about the lives of these animals and enjoy time viewing these controversial species. ☀

*“I enjoyed
every moment
of the class and
feel like I am
walking away
a better artist.”*

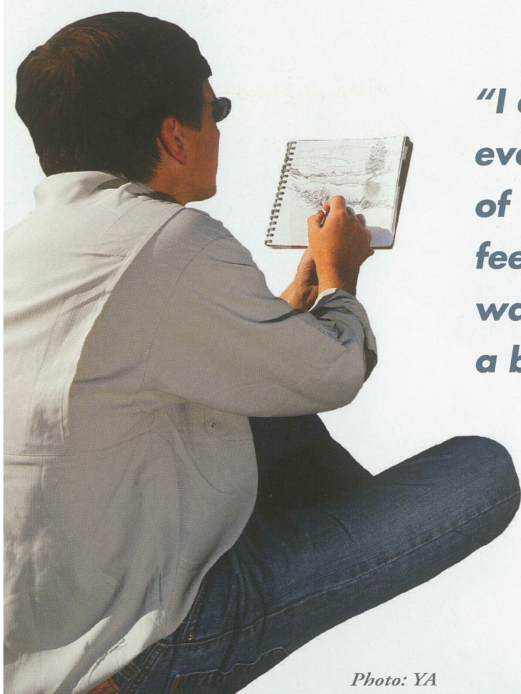


Photo: YA



Photo: Bill Maboney



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Photo: Karen Withrow



Photo: Karen Withrow

JUNE-JULY FIELD SEMINARS

#616 

SUMMER LANDSCAPE PHOTOGRAPHY

Start: June 25 at 9 a.m.

End: June 28 at 4 p.m.

Location: Lamar Buffalo Ranch

Instructor: Tom Kirkendall

Limit: 13 • \$440

Combine Yellowstone's iconic scenes with beautiful midsummer light as you refine the art of landscape photography. Your goal is to express light, land, and emotion as you photograph Yellowstone's vistas and its delicate details. Your days will be a mix of early sunrise and late afternoon photography, short day hikes and classroom time. In class, you'll discuss the workings of digital files and the creative elements of photography. Share your new visions of Yellowstone in a photo show at the end of class. 

#617 

SUMMER WILDLIFE WATCHING

Start: June 27 at 7 p.m.

End: June 30 at 4 p.m.

Location: Lamar Buffalo Ranch

Instructor: Brad Bulin, M.S.

Limit: 13 • \$358

Welcome to Yellowstone's northern range, known worldwide for its "charismatic megafauna" like grizzly bears, bison, wolves, and elk. You'll spend three full days looking for these and other wild animals and learning how they fit into the park's ecosystem. Enjoy early morning and evening searches for wolves, bears, and songbirds, then look to the midday sky for eagles, falcons, and other birds of prey. Keep a watchful eye on the ground too, where you might spot the sagebrush lizard or other small animals. 

#618 

THE ART OF WILDFLOWER IDENTIFICATION

Start: June 29 at 8 a.m.

End: July 1 at 3 p.m.

Location: Lamar Buffalo Ranch

Instructor: Meredith Campbell

Limit: 13 • \$330

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 keys and field guides, and simple techniques for sketching in the field (no previous experience is required). 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, remember, and appreciate Yellowstone's wildflowers.

#701 

MAMMAL SIGNS: INTERPRETING TRACKS, SCAT, AND HAIR

Start: July 1 at 9 a.m.

End: July 4 at 5 p.m.

Location: Lamar Buffalo Ranch

Instructor: Jim Halfpenny, Ph.D.

Limit: 13 • \$455

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, identifying prints, 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. 

#702  **NEW!**

DAY HIKING THE PEAKS OF YELLOWSTONE

Start: July 1 at 7 p.m.

End: July 4 at 4 p.m.

Location: Canyon

Instructor: Julianne Baker, M.A.

Limit: 13 • \$358

"The mountains are calling and I must go" said John Muir. Are you hearing Yellowstone's mountains calling? If so, come along on this three-day, three-peak program. The actual mountains we climb will depend on weather and other factors, but each day you'll be climbing, with up to 2,000-foot elevation change and distances of 6 to 10 miles. Rooms will be held at Canyon until 30 days prior to the course. Call 307-344-5566 for room rates and reservations. 

#703 

CAPTURING THE LANDSCAPE IN YOUR TRAVEL SKETCH BOOK

Start: July 3 at 5 p.m.

End: July 5 at 4 p.m.

Location: Lamar Buffalo Ranch

Instructor: Suzie Garner, M.A., M.F.A.

Limit: 13 • \$248

Immerse yourself in the colors and patterns of the Lamar Valley as you learn travel sketchbook techniques. You'll spend most of the time outdoors enjoying site-based lectures, demonstrations, and drawing time. Learn about the best materials for drawing on the move and how to sketch what you see. You'll explore line, color, and pen and ink and experiment with conveying life and character of the world around you. You'll also have a crash course in watercolor! Return home with a highly personal visual journal that will help you remember details of sights and experiences that you might have missed or forgotten otherwise. 

#704 

A YELLOWSTONE NATURALIST EXPERIENCE

Start: July 5 at 6 p.m.

End: July 7 at 4 p.m.

Location: Lamar Buffalo Ranch

Instructors: Katy Duffy, M.S. and

Jim Garry, M.S.

Limit: 12 • \$293

Explore northern Yellowstone as a naturalist does—with your senses on full alert. You'll become more familiar with Yellowstone's animals and plants by using your ears and eyes, feeling with your feet and fingers, and interpreting scents. Explore a track with your fingers to feel clues to the animal's behavior. Examine a daybed with your nose to detect who slept there. You'll observe nesting birds discreetly, and decipher their songs and calls. And don't forget the plants—search for wildflowers and their pollinators in forests, meadows, and wetlands. With this naturalist experience, you will become an insider outside in Yellowstone. 

"The breadth of the instructor's knowledge gave me a much better appreciation for the park. I'll see Yellowstone through a new set of eyes as a result of this class."



Photo: YA

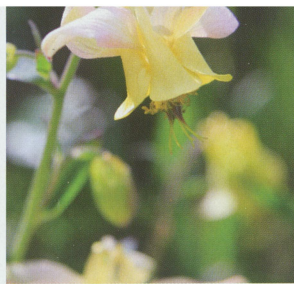


Photo: Karen Withrow



Photo: YA



Photo: Pam Cabill

JULY FIELD SEMINARS

#705 

ROADSIDE HISTORY OF THE 1877 NEZ PERCE FLIGHT

Start: July 6 at 8:30 a.m.
End: July 7 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Lee Whittlesey, M.A., J.D., Ph.D. (Hon.)
Limit: 13 • \$220

August 1877 found the Nez Perce (or, in their language, Nee-Me-Poo) crossing Yellowstone in their thousand-mile flight from the U.S. Army. Their entire route is now a national historic trail, and you'll explore the portion inside the park. Your guide is the park's historian, who will acquaint you with the events and characters of this tragedy. You'll be able to study maps, photographs, and documents—some just recently found. And you'll walk where families walked, see where brash young warriors took park visitors hostage, and visit other sites as you experience one of the saddest episodes in U.S. history. ☀

#706 

SNOWFIELDS TO CACTI: AN ECOLOGY OF CONTRASTS

Start: July 6 at 8 a.m.
End: July 7 at 5 p.m.
Location: Gardiner, Montana
Instructor: Jim Halfpenny, Ph.D.
Limit: 13 • \$235

Spend two days visiting Yellowstone's varied ecosystems, from lowland desert to the edge of alpine with one of the leading ecologists living in this area. You'll find out why cacti grow within a few miles of snowfields and what other ecological conditions make this park so interesting to scientists. In each ecosystem, you'll explore environmental conditions such as light and temperature, characteristic plants and animals, and possible effects of climate change. You'll enjoy short hikes of up to 3 miles at each stop. In the closing discussion, you'll evaluate how humans affect the biological future of Yellowstone. ☀

#707   

LAMAR WILDLIFE GETAWAY

Start: July 8 at 5:30 p.m.
End: July 12 at 9 a.m.
Location: Lamar Buffalo Ranch
Instructors: Institute Staff
Limit: 24 • \$770
Minimum age: 12
INCLUDES MEALS

Unplug, settle in, and roll with the summer rhythms of Yellowstone. Each morning you'll head out to search for wildlife. As you scan and observe, you'll learn about the animals' behavior and where they fit in the Yellowstone scene. Each afternoon, explore more of wild Yellowstone on hikes highlighting what's special about this time of year. You can choose from two hiking options each afternoon, such as easy natural history rambles, hunts for animal sign, and hikes to historic wildlife locations. You'll also learn about wildlife from experts in the field and during evening programs. ☀

#709 

BIRDS OF YELLOWSTONE

Start: July 13 at 8 a.m.
End: July 14 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Brian Thorpe, M.S.
Limit: 13 • \$220

Yellowstone's varied habitats make the park a great place to begin watching birds. You'll start with a classroom introduction to birding, with tips on what field marks to look for and how to use field guides, binoculars, and spotting scopes. Then spend the rest of the class in the park, closely examining the more common species in Yellowstone, learning which birds live in particular habitats, and exploring the wonder of bird migration, song, and courtship. You'll also investigate conservation challenges facing birds and how you can help them survive into the future. ☀

#710 

WILDFLOWERS OF YELLOWSTONE

Start: July 13 at 9 a.m.
End: July 15 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Wayne Phillips
Limit: 13 • \$330

When the sun rides high after summer solstice, people come from around the world to revel in the peak of Yellowstone's wildflower season. You can delve deeper into this beauty for three days, walking through varied habitats—montane dry and wet forest, aspen, sagebrush, riparian/wetland, meadow, and subalpine forest—as you search for the park's native wildflowers, grasses, flowering shrubs, and trees. You'll find out how to identify up to 100 species and learn hidden details, such as which ones are good to eat, which to avoid, and how Native Americans use them.

#708 

EXPLORING YELLOWSTONE'S GEYSER BASINS

Start: July 12 at 7 p.m.
End: July 15 at 4 p.m.
Location: Old Faithful
Instructor: Pat Shanks
Limit: 13 • \$358

Yellowstone has more than 10,000 hot springs, mudpots, fumaroles, and geysers. Why are they here? How do they work? How and why do they change with time? You'll find the answers as a leading hydrothermal researcher guides you around geyser basins and other hydrothermal areas in the park. You'll learn about heat sources, volcanic gases, geyser eruptions, acid hot springs, and the millions of microbes that reside in thermal features. Learn about thermal temperature readings and pH levels as you explore and come to appreciate fully why Yellowstone was set aside as the first national park. ☀

“Very Fun! Provided the big picture of how geological processes are the foundation of everything in Yellowstone. Instructor made a complicated process understandable.”



Photo: YA

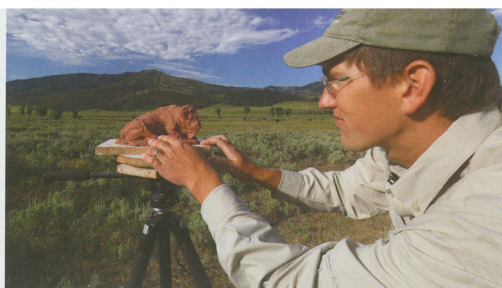


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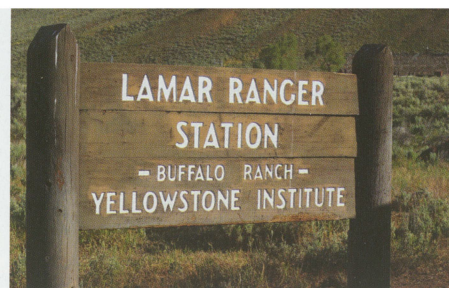


Photo: YA

JULY FIELD SEMINARS

#711



ROADSIDE GEOLOGY OF YELLOWSTONE COUNTRY

Start: July 15 at 9 a.m.
End: July 17 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Robert Thomas, Ph.D.
Limit: 13 • \$330

Jump into the bus for three days exploring some of the most amazing roadside geology in the world: Yellowstone, Earth's largest active volcano. You'll examine rocks formed in continental collisions billions of years ago, ponder the forces that buried forests, and follow glaciers that covered the entire park in thousands of feet of ice. While traversing roads in and around the park, you'll find evidence of volcanic eruptions during the past 2.2 million years—including signs that the volcano continues its action today. See related course #713, "Experience Geology." *

#713



NEW!

EXPERIENCE GEOLOGY: YELLOWSTONE'S ANCIENT OCEAN

Start: July 18 at 9 a.m.
End: July 19 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Robert Thomas, Ph.D.
Limit: 13 • \$220

Immerse yourself in a part of Yellowstone's past that is little known: when ocean covered this land, long before the time of volcanoes. Evidence of this watery world exists in rocks outside the Northeast Entrance of the park. You'll visit these sites to study their fossils and the evidence they provide of a mass extinction. What happened and why? Working with an experienced geologist, you'll debate various explanations as you explore the evidence from a time long before dinosaurs. See related course #711, "Roadside Geology of Yellowstone Country." *

#715

HEART LAKE TO SOUTH BOUNDARY BACKPACK

Start: July 20 at 2 p.m.
End: July 25 at 5 p.m.
Location: Bozeman, Montana
Instructors: Jim Garry, M.S. and Patty Walton
Limit: 8 • \$780

Stuff your backpack with gear and get ready to explore the wild country south of Grant Village. You'll hike first to the remote and wildlife-rich Heart Lake area. While camping there, you'll have the option to hike Mount Sheridan—a classic to-the-mountaintop hike that is much easier without your backpack. After leaving Heart Lake, you'll hike through remote country that includes the Washakie Range. Along the way, you'll pick up the Snake River and follow it to Yellowstone's South Entrance. Each day, expect moderate to brisk hikes over sometimes rough and steep terrain up to 8 miles long and with elevation changes up to 1000 feet. *

SCOPING THE SAGEBRUSH

The next time you are peering through a spotting scope at some distant dot that might or might not be a bear, take a break and swing the scope down to focus on the sagebrush around you. Chances are good you'll soon be watching little critters, such as ground squirrels or chipmunks. Through a spotting scope you can see their expressions, twitches, and fur. Their chatter, chases, and nibbling also open the world of wildlife to children. So shorten those tripod legs and invite kids over to watch whatever small animals are nearby. These kid-friendly critters also give you the opportunity to talk about why we should never, ever feed even the cutest chipmunks or ground squirrels. They've got plenty to eat here in Yellowstone, which kids can see for themselves as they watch these diminutive animals through the spotting scope.

#712



HIGH ENERGY AND ALPINE WILDFLOWERS

Start: July 16 at 7 a.m.
End: July 18 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Wayne Phillips
Limit: 13 • \$330

Grab your parka and bring an energy bar—you're going way up into the rarefied air of alpine tundra, where sky pilots and other tiny wildflowers burst into brilliant carpets during their short growing season. You'll visit three alpine locations in Yellowstone National Park and the Beartooth Plateau, hiking up to 8 miles each day with elevation gains up to 1500 feet. Your reward: dazzling light, eye-popping color, and discovering plants that grow in cushions and forests full of trees about your height. *

#714



WOLVES: REALITY AND MYTH

Start: July 19 at 7 p.m.
End: July 21 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructor: Nathan Varley, Ph.D.
Limit: 13 • \$248

Immerse yourself in the scientific and spiritual realm of the wolf with the guidance of a scientist who studies these provocative carnivores. Through field observations and classroom discussions, you'll explore how different cultures relate to wolves, how these relationships may relate to various myths and stories, and how the stories relate to the actual wild animal living in Yellowstone. Look for wolves on sunrise forays; hike through their habitat during the day. And throughout, learn how the wolf recovery project has ushered in a new era of scientific understanding. *

#716



NEW!

GEOLOGY AND ECOLOGY IN YELLOWSTONE

Start: July 20 at 9 a.m.
End: July 22 at 6 p.m.
Location: Gardiner, Montana and Old Faithful
Instructor: Paul Doss, Ph.D.
Limit: 13 • \$330

Ever wonder why Yellowstone is called America's Serengeti, or why NASA scientists come here to look for clues to potential life on Mars? Find out the geologic reasons in this class. On short hikes off the beaten path, you'll explore the incredible convergence of geological factors that created one of the world's largest volcanoes with its life-sustaining and life-threatening heat flow and its expansive high-altitude plateau. Delve into the details as you study the park's complex array of climate and soil. Follow the behavior and distribution of life in Yellowstone and their links to the geology of this magnificent landscape. *

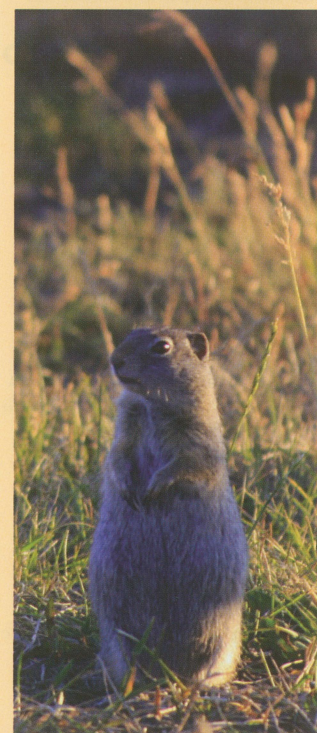


Photo: Karen Withrow



Photo: YA



Photo: Bill Mahoney



Photo: Karen Withrow



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JULY - AUGUST FIELD SEMINARS

#717

HIKING YELLOWSTONE'S COMPLEX ECOLOGY

Start: July 21 at 7 p.m.
End: July 23 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructor: Nathan Varley, Ph.D.
Limit: 13 • \$248

No trail guide covers the terrain that you will cover in this class, as you hike alongside a lifelong Yellowstone naturalist. Climb peaks that tower over the Lamar Valley and span several different ecological communities. Here—and on other hikes—you'll learn about plants, animals, and competition between all sectors of the habitat you traverse. Your hikes will explore environments ranging from sage grasslands, where elk and wolves interact daily, to whitebark pine stands dependent on Clark's nutcrackers. You'll also enjoy the instructor's stories about his many wilderness trips through Yellowstone. 🌟

#718

THE ART OF THE ILLUMINATED FIELD JOURNAL

Start: July 22 at 7 p.m.
End: July 26 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: Hannah Hinchman
Limit: 13 • \$520

Bring your Yellowstone experience to vivid life on the pages of an "illuminated" field journal. Learn to create richly detailed pages that include drawing, painting, design, maps, and diagrams—all interwoven with the written word. Adding to this intimate experience, you will make your own high-quality journal to use as you venture forth to explore and reflect upon the beauty of Yellowstone. If you'd like to extend your art experience in the park, consider taking the class that starts the next day—#720 "Sketching Yellowstone," about the art of wildlife and landscape sketching. 🌟

#719 **NEW!** FLY FISHING: A LIFELONG PURSUIT

Start: July 24 at 9 a.m.
End: July 26 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructor: Jesse Logan, Ph.D.
Limit: 8 • \$355

Come to the waters of Yellowstone to refresh your rusty fly-fishing skills or learn anew. Enjoy lively discussions about trout, flies, and the ethics of this sport while in the comfort of the classroom and on short hikes to good fishing spots. Practice your skills on dry land and on the water, and enjoy solving those endless challenges that trout fishing offers. Along the way, you just might find yourself reliving fond memories and making new ones. 🌟

#720

SKETCHING YELLOWSTONE

Start: July 27 at 9 a.m.
End: July 28 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: George Bumann, M.S.
Limit: 13 • \$220

Spend a weekend sketching the wildlife and landscape of Yellowstone with a professional artist and naturalist as your instructor. Experienced or not, you'll learn drawing techniques to capture animal behavior and complex geology, plus other tips for drawing under challenging outdoor conditions. You'll also spend some time in the class to view examples, receive personal instruction, learn about anatomy, and enjoy demonstrations. You also might like class #718, "The Art of the Illuminated Field Journal," which precedes this class. 🌟

#721 EMERGING KNOWLEDGE OF WOLVES

Start: July 27 at 9 a.m.
End: July 29 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructors: Matt Metz, M.S.,
Kira Quimby, M.S., and
Emily Staggs Almborg, M.S.
Limit: 12 • \$390

Join leading wolf researchers to dig deeper into the ecology and behavior of wolves. You'll go into the field looking for wolves and participate in class discussions about what the researchers are learning. Their work addresses important topics such as how summer patterns of wolf hunting vary from winter. What do wolves hunt, how often, and where? You'll find out how pack characteristics influence wolf interactions, and how diseases, such as canine distemper and mange, affect their populations. 🌟

#722

THE BISON OF YELLOWSTONE

Start: July 29 at 9 a.m.
End: July 31 at 3 p.m.
Location: Lamar Buffalo Ranch
Instructors: Jim Garry, M.S., and
Harold Picton, Ph.D.
Limit: 12 • \$390

The big boys are rumbling—it's mating time in the land of the buffalo. You'll divide your time between the field, observing the fascinating behavior of rutting buffalo, and the classroom, learning about one of the Old West's enduring symbols. You'll look at the biology and natural history of bison, its role in native cultures, and its role in the expanding white culture of 19th-century America. Learn about the role of the Lamar Buffalo Ranch in the survival of the bison and explore the current turmoil surrounding bison management in the Yellowstone ecosystem. 🌟

#723 **NEW!** YELLOWSTONE'S ARTIST SAMPLER

Start: July 30 at 7 p.m.
End: August 2 at 5 p.m.
Location: Lamar Buffalo Ranch
Instructor: George Bumann, M.S.
Limit: 13 • \$358

Explore Yellowstone in depth with the three classical art disciplines—drawing, sculpture, and painting. Each day you will learn about and practice one discipline in the class and the field. Experience how clay, pencil and paper, or watercolor can lead you to different insights about the park's geology, history, plants, and animals. Each day's lessons build on the day before, deepening your understanding of Yellowstone and each medium. Beginner or expert, you can expect to gain a new appreciation for this special place and your ability to express its essence in a new way. 🌟

#801 **NEW!** THE NIGHT SKY OVER LAMAR VALLEY

Start: August 1 at 7 p.m.
End: August 3 at 12 p.m.
Location: Lamar Buffalo Ranch
Instructor: Lynn Powers
Limit: 13 • \$220

Search the sky over Yellowstone in this day and night astronomy class. For two nights, you'll explore the dazzling night sky over the Lamar Valley. Navigate with a star map and planisphere, find planets with your own eyes, peer through binoculars, and study stars and nebula through telescopes. During a daytime viewing session, you'll find out how to safely study and view the sun. In classroom sessions, you will study more details about astronomy, optics for safe viewing, and how to choose the right telescope for you. 🌟



Photo: Diane Simpson

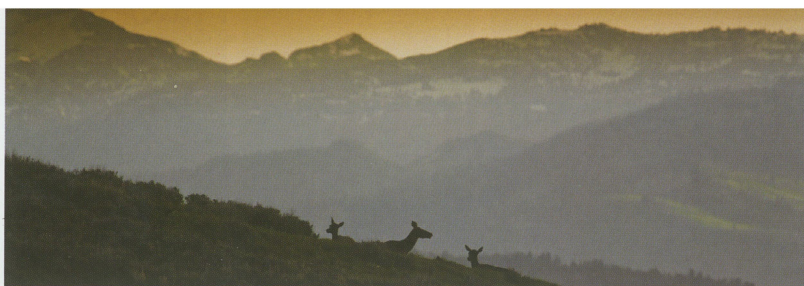


Photo: Mark O'Loughlen



Photo: YA

AUGUST FIELD SEMINARS

#802 **NEW!** BACKPACKING THE BEARTOOTH PLATEAU

Start: August 2 at 2 p.m.
End: August 7 at 5 p.m.
Location: Bozeman, Montana
Instructors: Jim Garry, M.S. and
Patty Walton
Limit: 8 • \$780

Come backpack around one of the jewels of the Greater Yellowstone Ecosystem—the Beartooth Plateau. As you hike this ancient high country, you'll travel through tundra and subalpine country dotted with lakes and spectacular scenery. Learn about specialized plants and animals of this high wild land. Discover the Beartooth's surprising human history, which is richly entwined with its fascinating geology. And be ready to climb and scramble during hikes up to 7 miles and with elevation changes up to 1000 feet. ☀

#803 **NEW!** YELLOWSTONE FAMILY RETREAT

Start: August 4 at 5 p.m.
End: August 8 at 12 p.m.
Location: Lamar Buffalo Ranch
Instructors: Institute Staff
Limit: 24 • Minimum age: 5
\$770 per adult/
\$670 per child under 12
ALL MEALS INCLUDED

This summer, explore Yellowstone through the eyes of children. In this family-style retreat, you and the kids can choose your adventures each day, such as animal tracking, outdoor games, wildlife watching and star gazing. Head out for an entire day, or pick one thing to do in the morning and another in the afternoon. We'll have evening programs ready too! You'll stay in private log cabins and enjoy delicious and kid-friendly meals in the Bunkhouse. We welcome all combinations of adults and children who want to enjoy this memorable vacation. ☀

#804 **NEW!** VOLCANOES, EXPLOSIONS, AND OTHER HOT STUFF

Start: August 7 at 7 p.m.
End: August 11 at 5 p.m.
Location: Old Faithful
Instructor: Lisa Morgan, Ph.D.
Limit: 13 • \$468

Walk the Yellowstone volcano with one of its experts. You'll be based in the heart of the park's largest geyser basin. Hike through the oldest explosion's rocks to the rim of the newest caldera; discover the volcanics behind spectacular backcountry waterfalls; and explore more recent volcanic events, such as hydrothermal explosions around Yellowstone Lake. On the last day, explore the hot stuff around Old Faithful, including one of the world's largest sinter terraces. Be ready for multiple, often challenging, hikes each day. Rooms will be held at the Old Faithful Inn until 30 days prior to the course. Call 307-344-5566 for room rates and reservations. ☀

#805 **NEW!** SHOSHONE LAKE AND BECHLER BACKPACK

Start: August 9 at 2 p.m.
End: August 18 at 5 p.m.
Location: Bozeman, Montana
Instructors: Jim Garry, M.S. and
Patty Walton
Limit: 8 • \$1,300

Spend nine days exploring the southwestern part of Yellowstone. Visit one of the largest backcountry lakes in North America—Shoshone Lake—and its geyser basin. Cross the convergence of the Madison and Pitchstone plateaus and then descend into the fabled Bechler region, known for its many waterfalls and hot springs. Along the way, you'll learn of the area's fascinating geology, plants and animals, and human history. Enjoy day hikes or rest during layover days. Expect hikes up to 8 miles and elevation changes up to 1000 feet. The course starts and ends in Bozeman where orientation the first day covers safety, equipment, packing, minimum impact techniques, and more. ☀

THE NATURALIST'S NOTEBOOK

Deep in the archives of Yellowstone's Heritage and Research Center lie small black notebooks filled with the neat cursive notes of Herma Baggley, one of the park's first naturalists. Stationed at Old Faithful, she recorded the weather on September 29, 1930: "Cloudy but no rain, quite warm." Six words that speak volumes about an unusual day—unusual because snow is a lot more likely than rain at Old Faithful that time of year. Baggley also recorded notes about geysers. Writing in her notebook the previous day, she had arrived at Giant Geyser after its eruption had reached its peak but "was still playing hard—column of water about 40–65 ft. high and quantities of steam." Keeping notes was part of her profession, but also a personal habit. You can contribute to your own experience of Yellowstone by keeping a naturalist's notebook too. Take a few minutes each day to write or sketch about what you experience here—or take one of the Institute's classes about using art and writing to record your experiences in Yellowstone. You also can learn more about Herma Baggley and other remarkable women in #606, "Women in Wonderland."

**"Loved off-trail hiking—
would not have done that
type of hiking by myself—
and saw so much more, plus
learned so much from the
wonderful instructor."**



Photo: Karen Withrow

Photo: Karen Withrow

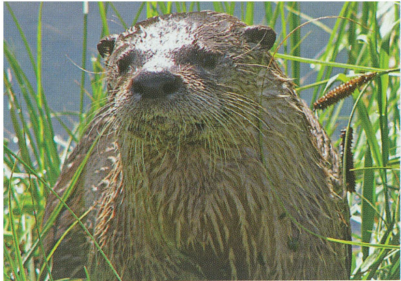


Photo: Sue Beachman



Photo: Ashea Mills

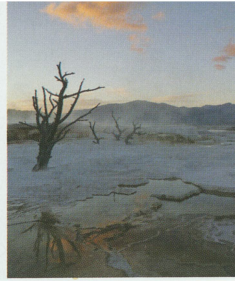


Photo: Karen Withrow



Photo: YA

AUGUST FIELD SEMINARS

#806

LAMAR WILDLIFE GETAWAY

Start: August 14 at 5:30 p.m.

End: August 18 at 9 a.m.

Location: Lamar Buffalo Ranch

Instructors: Institute Staff

Limit: 24 • \$770

Minimum age: 12

INCLUDES MEALS

Unplug, settle in, and roll with the rhythms of late summer in Yellowstone. Each morning you'll head out to search for wildlife. As you scan and observe, you'll learn about the animals' behavior and where they fit in the Yellowstone scene. Each afternoon, explore more of wild Yellowstone on hikes highlighting what's special about this time of year. You can choose from two hiking options each afternoon, such as easy natural history rambles, hunts for animal sign, and hikes to historic wildlife locations. You'll also learn about wildlife from experts in the field and during evening programs. ☀

#807

UNEARTHING YELLOWSTONE'S HUMAN HISTORY

Start: August 19 at 9 a.m.

End: August 21 at 4 p.m.

Location: Lamar Buffalo Ranch

Instructor: Robin Park, M.A.

Limit: 13 • \$410

Shipwrecks, ancient quarries, enigmatic stone alignments, and the mystery of the missing zookeeper's grave—In this class you'll unearth these and other archeological stories of Yellowstone in a combination of classroom discussions and field expeditions. You'll learn to identify sites, ancient tools, and tool-making materials. You'll also see how early inhabitants used stones for structures and alignments that served spiritual functions or marked important places. Search for clues to a historic cabin and shipwreck on Stevenson Island. And you'll hear the latest discoveries about the people who lived in Yellowstone long ago. ☀

#808

DAY HIKING THE NORTHERN RANGE

Start: August 19 at 7 p.m.

End: August 21 at 4 p.m.

Location: Lamar Buffalo Ranch

Instructor: Danielle Chalfant

Limit: 13 • \$248

Osborne Russell, a rare fur trapper who could read and write, wrote of the Lamar Valley: "I could spend the remainder of my days in a place like this where happiness and contentment seemed to reign in wild romantic splendor." You can still experience the seclusion and romance of Yellowstone. After an evening to review the basics of safe, comfortable, low-impact backcountry travel, you'll hit the trail, soaking up park history, wildlife, and wildflowers. Hikes range from 8 to 12 miles with 2,000-foot elevation gains, so be ready to breathe deeply of fresh mountain air. ☀

#809 **NEW!**

THE LEAPS AND BOUNDS OF WRITING

Start: August 26 at 9 a.m.

End: August 28 at 5 p.m.

Location: Lamar Buffalo Ranch

Instructor: Susan Zwinger, Ph.D.

Limit: 13 • \$330

Do you long to write a passionate essay that changes how people experience nature? Then come to Lamar Valley to push your writing forward in leaps and bounds through challenging writing exercises. Discover the pleasure of creating stunning description, accurate metaphor, and powerful rhythms. Learn to use fiction tools such as character development, story arc, and organization. In between writing exercises, enjoy short hikes to unusual views that will inspire your writing. ☀

#810 **NEW!**

CLIMATE CHANGE IN YELLOWSTONE

Start: August 26 at 7 p.m.

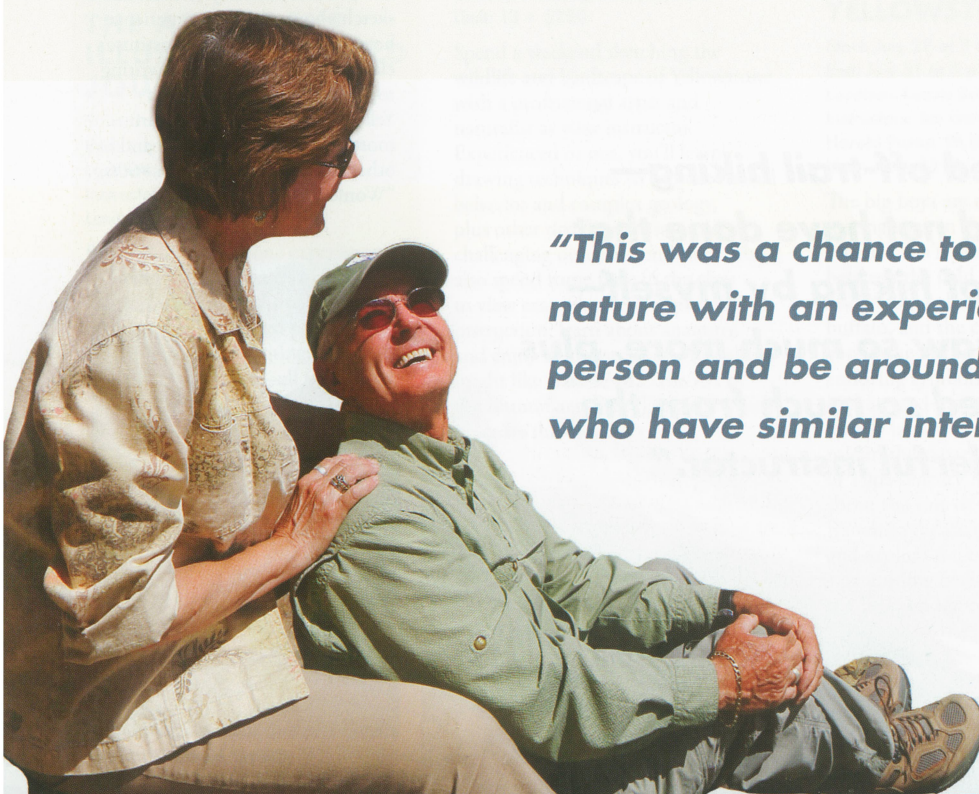
End: August 29 at 4 p.m.

Location: Lamar Buffalo Ranch

Instructor: Jesse Logan, Ph.D.

Limit: 13 • \$358

Climate change comes and goes in the news, but it is evident every day in Yellowstone. Through class discussions and field trips, you'll examine how climate change is altering Yellowstone's streams, the health of its vast forests, and food sources for its iconic wildlife, like the grizzly bear. See how insect infestations have shifted from being cycles to becoming permanent disturbances. Discuss different theories of how fire may change as the climate changes. And explore what you can do about climate change, here and at home. ☀



"This was a chance to see nature with an experienced person and be around people who have similar interests."

Photo: YA



Photo: Diane Simpson



Photo: YA



Photo: Patrick Flynn

AUGUST - SEPTEMBER FIELD SEMINARS

#811 **NEW!** **CONNECTING TO YOUR LANDSCAPE: A YOGA AND HIKING RETREAT**

Start: August 29 at 7 p.m.
End: September 2 at 9 a.m.
Location: Lamar Buffalo Ranch
Instructor: Robin Park, M.A., R.Y.T.
Limit: 13 • \$385

Hiking and yoga pair up for this summer exploration. Gain a deeper awareness of your body and connect with this natural place by beginning each day with a gentle yoga session, suitable for all levels of ability. Then hit the trail and learn about the park's history, wildlife, and geology. Enjoy breathtaking views as we hike along the rim of the Grand Canyon past dormant and active hot springs, and to an area with the largest concentration of petrified trees in the world. Cap off your mind and body experience with a summit of a Yellowstone peak. ☀

#812 **FORCES OF NATURE: WOLVES AND FIRE**

Start: August 30 at 5 p.m.
End: September 1 at 4 p.m.
Location: Lamar Buffalo Ranch
Instructor: Jon Trapp, M.A.
Limit: 13 • \$248

Yellowstone's landscape began to change dramatically in the late 20th century when two natural forces were reintroduced: wild fires and wolves. You'll explore how they both affect flora and fauna and how fire affects elk and consequently wolves. Learn how the tribes associated with Yellowstone view fire and wolves. Discuss how wild fire and wolf management strategies continue to evolve. You will be up early and out late looking for wolves and wild fires. Be prepared for short hikes and time outdoors in any kind of weather. ☀

#901 **DAY HIKING THE BEARTOOTH**

Start: September 2 at 7 p.m.
End: September 5 at 4 p.m.
Location: Cooke City, Montana
Instructor: Gene Ball
Limit: 13 • \$358

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 alpine meadows, and soaking up the history, wildlife, issues, and ecology of the Greater Yellowstone Ecosystem. Hikes range up to 8 miles with 1,000-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 at the Alpine Motel until 30 days prior to the course. Call 888-838-1190 for rates and reservations. ☀

#902 **AUTUMN WILDLIFE WATCHING**

Start: September 6 at 9 a.m.
End: September 8 at 4 p.m.
Location: Gardiner, Montana
Instructor: Jim Garry, M.S.
Limit: 13 • \$330

Who's gone missing? Who's new on the scene? Can you spot the wolf pups trying to act like adults? See if you can find a bear doing anything other than eating. Are the bison still busy mating? Which female elk are paying attention to which bugling bull? Watch all this and more as we explore the behavior of critters during three full days out and about in Yellowstone's wildlife-rich northern range. ☀

#903 **RAPTORS OVER YELLOWSTONE**

Start: September 6 at 7 p.m.
End: September 8 at 4 p.m.
Location: Gardiner, Montana
Instructor: Katy Duffy, M.S.
Limit: 13 • \$248

It's a raptor time of year. Bring your camp chair and make yourself comfortable while watching for birds of prey (raptors) flying overhead on their journeys south. You'll visit one of Yellowstone's valleys—such as Hayden Valley—where you might see individuals filling up on plentiful grasshoppers and small rodents. And you'll visit the official watch site of the Yellowstone Raptor Initiative, where you'll talk with raptor biologists. With any luck, you'll see eagles, osprey, and a variety of hawks and falcons. During the evenings, you'll have an opportunity to learn more about these raptors over Yellowstone. ☀

#904 **NEW!** **WHEELING THROUGH YELLOWSTONE**

Start: September 10 at 7 p.m.
End: September 13 at 5 p.m.
Location: Gardiner, Montana
Instructor: Wes Hardin, M.Ed., M.A.
Limit: 13 • \$368

In 1896, eight soldiers on bicycles had their photo taken on Minerva Terrace at Mammoth Hot Springs. Through their story and those of others, you'll learn the rich history of 19th-century bicycling in Yellowstone. Read and hear their accounts, study the maps they used, and look at photographs they took—some just recently discovered. Through discussions and field trips, you'll retrace part of their route through the park. You'll visit some of the stops they made; including sites that today's visitor usually doesn't see. ☀

**“Anyone
interested in
the natural
environment in
any way would
delight in this
experience.”**



Photo: YA



Photo: Bill Mahoney



Photo: Karen Withrow

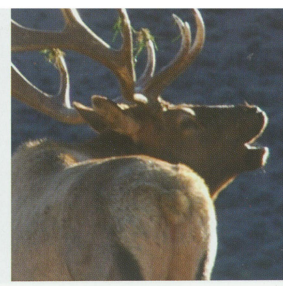


Photo: Diane Simpson

SEPTEMBER FIELD SEMINARS

ELK ACTION IN MAMMOTH

Early September is the time for elk action in Mammoth Hot Springs. Thousand-pound bull elk thrash sagebrush near the road, then raise their heads and bugle their haunting mating calls for all to hear. The objects of their lust just keep grazing and strolling around the manicured lawns of Fort Yellowstone. But watch out! Both bulls and cows can move fast and will charge you, your family, and your car. The bulls are especially dangerous because of their size and their sharp antlers—and their raging testosterone. Enjoy the show, but stay safe. Stop to look for elk before you leave your car or a building. Stay out of areas marked off by the orange cones, and follow the directions of the orange-vested volunteers whose job is to keep you and the elk safely apart.



Photo: Bill Mahoney

#905 

CONTINUING ON THE TRAIL OF HOWARD EATON

Start: September 13 at 8 a.m.
End: September 13 at 5 p.m.
Location: Old Faithful
Instructor: Leslie Quinn, M.Ed.
Limit: 13 • \$110

Join this annual exploration of the Howard Eaton Trail, a historic but seldom-used trail that still describes a figure eight around Yellowstone. Howard Eaton guided his first group of visitors along this trail in 1883, and soon was considered one of the greatest and most well-respected guides of Yellowstone. You'll learn about this fascinating man as you walk a long-abandoned section of the trail that this class hasn't yet traveled. You'll also experience the adventure and primitive nature of hiking in the early days of Yellowstone—and perhaps hear hoofbeats of travelers from long ago. ☀

#906 

THE SURPRISING PIKA

Start: September 14 at 9 a.m.
End: September 15 at 5 p.m.
Location: Cooke City, Montana
Instructor: Dan Hartman
Limit: 13 • \$220

Most Yellowstone mammals either migrate or hibernate when winter comes calling—but not the pika. In this field class, you'll be able to watch these appealing animals prepare for winter. You will likely hear their alarms before you see them. Once you settle down, though, you'll be able to watch them gather grass piece by piece to make piles of food for the winter. See them disappear when danger comes. And consider how these solitary animals live together in their colony. Rooms will be held at the Alpine Motel until 30 days prior to the course. To book your room, call 888-838-1190. ☀

#907 

THREE DAYS IN THE WORLD OF WOLVES

Start: September 16 at 9 a.m.
End: September 18 at 4 p.m.
Location: Gardiner, Montana
Instructor: Brad Bulin, M.S.
Limit: 13 • \$330

Spend three days immersed in the lives of Yellowstone's wolves. Through a combination of discussions, field trips, and hikes, you'll explore wolves and their lives, their interactions with other predators, and their relationship with humans. Visit one of the pens where wolves spent time acclimating to Yellowstone after their abrupt departure from Canada. Look for them in the Lamar Valley and other wolf habitat. And find out what we have learned about wolves since their restoration more than 15 years ago. ☀

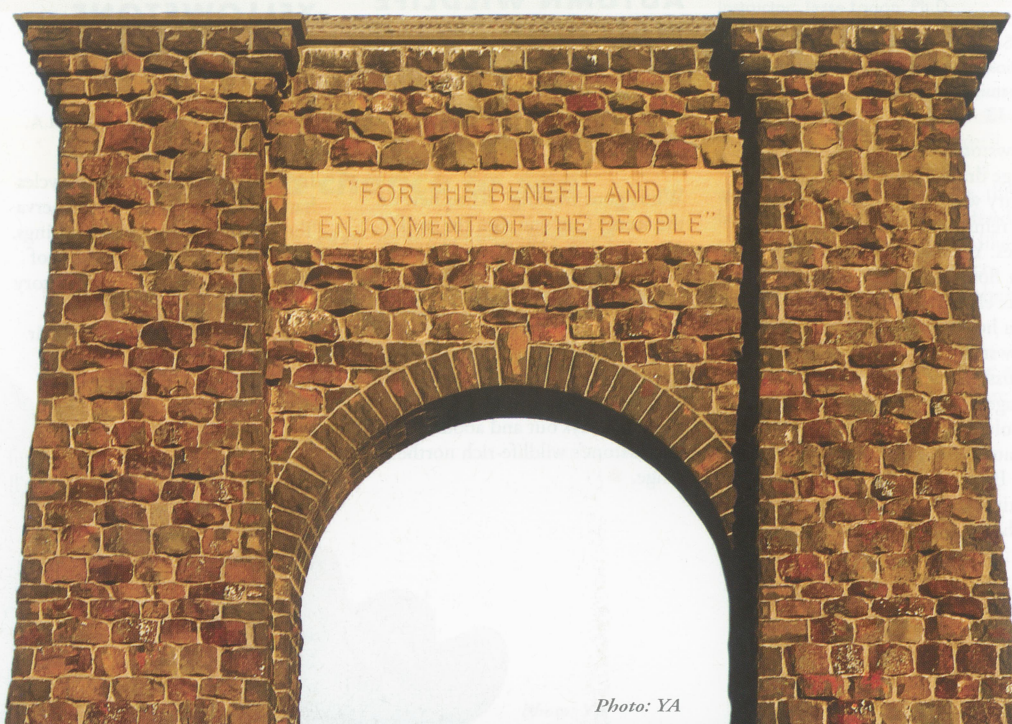


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Photo: Bill Mahoney

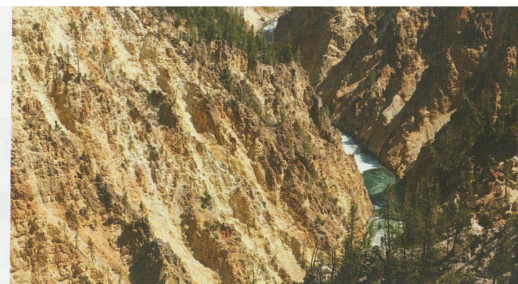


Photo: YA

SEPTEMBER - OCTOBER FIELD SEMINARS

#908



AUTUMN DAY HIKING IN YELLOWSTONE

Start: September 22 at 7 p.m.
End: September 25 at 4 p.m.
Location: Gardiner, Montana
Instructor: Julianne Baker, M.A.
Limit: 13 • \$358

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. Daily hikes will range from 8 to 12 miles with elevation gains up to 2000 feet, so come ready to enjoy Yellowstone's autumn and, as Edward Abbey recommended: "Breathe deep of that yet sweet and lucid air." ☀

#909



AUTUMN WILDLIFE WATCHING

Start: September 30 at 9 a.m.
End: October 2 at 4 p.m.
Location: Gardiner, Montana
Instructor: George Bumann, M.S.
Limit: 13 • \$330

Who's migrating and who's hunkering down? Which animals are still busy mating, and which have already gone underground? You'll spend three full days in the field observing as many species as possible, with the guidance of a seasoned naturalist. You'll see how different animals deal with this transitional time and learn to recognize their patterns of behavior. Compare what you observe with what scientists have discovered about Yellowstone's wildlife, and engage in lively discussions about your experiences and those of other participants. ☀

#1001



AUTUMN WILDLIFE PHOTOGRAPHY

Start: October 2 at 9 a.m.
End: October 5 at 4 p.m.
Location: Gardiner, Montana
Instructor: Meg Sommers
Limit: 13 • \$455

Calling all beginning and intermediate photographers. Now is the time to learn tips for photographing Yellowstone's autumn wildlife action. You'll spend most of the day outdoors, finding out what animals big and small do and where they are—keys to finding them for your photos. You'll also practice photographic fundamentals, techniques, and the ethics of wildlife photography. In class sessions, you'll focus on composition, lighting, equipment, and computer skills. So pack your digital camera and tripod and head into Yellowstone's wild autumn. ☀

#1002



BECOME A CERTIFIED INTERPRETIVE GUIDE

Start: October 7 at 9 a.m.
End: October 10 at 4 p.m.
Location: Gardiner, Montana
Instructor: Danielle Chalfant
Limit: 24 • \$370

Hone your interpretive skills in this professional certification course presented in partnership with the National Association for Interpretation (NAI). You'll receive coaching to make your programs enjoyable, relevant, and organized. You'll explore using tangible objects to connect audiences to intangible ideas and universal concepts while practicing your presentation and communication skills. To earn certification, you'll prepare a written outline of a 10-minute presentation, deliver the presentation, and complete an open-book exam. All materials and certification and NAI fees are included in your tuition. ☀

TRUMAN EVERTS NEVER SLEPT HERE

Mount Everts slopes across the northern range, dropping in crumbly cliffs to the Gardner River on its west side. Residents of Gardiner, Montana, see Mount Everts every day—and sometimes walk its wild meadows and forests. When they do, they are walking a mountain that Truman Everts probably never touched. Everts traveled through Yellowstone with the 1870 Washburn-Langford-Doane Expedition. They no doubt passed by this mountain as they followed the Yellowstone River upstream through the northern range, but most of the party didn't see the mountain again. Everts was not so lucky. He ended up near here after being lost for a month. Legend says he was found on the slopes of this mountain, hence its name. He was actually found to the south, on Blacktail Plateau, almost dead from starvation. His rescuers carried him past the mountain on their way out of Yellowstone. Did he even notice it? Probably not.

"One of the best trips of my life! I have new knowledge and respect for this amazing place. I am also feeling renewed and inspired."

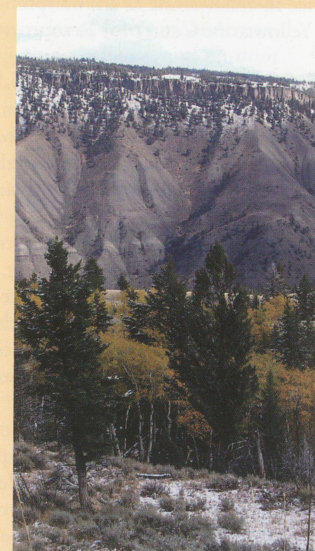


Photo: Pam Cabill

INSTRUCTOR PROFILES

EMILY STAGGS ALMBERG, M.S., is a biological technician and research collaborator with the Yellowstone Wolf Project. She studies how infectious diseases affect individual animals and population dynamics. For her doctorate at Penn State University, she is focusing on how sarcoptic mange affects Yellowstone's wolf population.

JULIANNE BAKER, M.A., settled here after a career teaching environmental science. She was the first resident instructor for the Yellowstone Association Institute. A National Outdoor Leadership School graduate, she has earned certificates from the Wilderness Medicine Institute, National Association for Interpretation, Professional Ski Instructors of America, and Leave No Trace.

GENE BALL was director of the Yellowstone Association and Institute from 1985–88. He now lives in Cody, Wyoming and teaches a wide range of topics and pursues other freelance projects for a variety of organizations throughout the West.

SHAUNA BARON is a biologist who has studied large and small carnivores. She worked with the Colorado-based Mission Wolf captive wolf program, the U.S. Fish and Wildlife Service Red Wolf Project, and as a volunteer for the Yellowstone Wolf Project. Shauna is a resident instructor for the Yellowstone Association Institute.

BRAD BULIN, M.S., is a wildlife biologist who has taught science at the K–12 and college levels and conducted extensive field research on carnivores, raptors, amphibians, and plants. He is a professional wildlife cinematographer who spends considerable time capturing Yellowstone on camera.

GEORGE BUMANN, M.S., can draw, sculpt, and teach about all aspects of Yellowstone. He has a degree in wildlife ecology and works as a professional artist and educator. His art and writing have appeared in popular and scientific publications, and his sculptures can be found in collections throughout the United States and abroad.

MEREDITH E. CAMPBELL has taught drawing and painting to adults and children for more than 20 years. Her botanical and wildlife drawings and paintings have been published in books and magazines, and her paintings are represented by galleries in Jackson Hole, Wyoming.

DANIELLE CHALFANT grew up within the borders of Yellowstone and has extensive experience in the park. She has worked for the National Park Service in Yellowstone as an interpretive ranger, backcountry trail crew leader, and Yellowstone Center for Resources intern.

SUE CONSOLO-MURPHY, M.S., is the Chief of Science and Resource Management for Grand Teton National Park and the John D. Rockefeller, Jr. Memorial Parkway. She worked previously for Yellowstone National Park, where she helped formulate the Grizzly Bear Conservation Strategy and restore bear habitat in the Fishing Bridge area and elsewhere.

PAUL DOSS, PH.D., 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 more than two decades, he has taught field geology, conducted research, and completed geologic mapping in the Rocky Mountain Region and the Yellowstone Plateau.

KATY DUFFY, M.S., 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. She has lived and worked in the Greater Yellowstone Ecosystem for three decades and is a park ranger.

CRISTINA EISENBERG, PH.D., studies the ecological effects of wolves and fire in Rocky Mountain ecosystems. She wrote *The Wolf's Tooth: Keystone Predators, Trophic Cascades, and Biodiversity*. An Aldo Leopold scholar and a hunter, she lives in a log cabin in a remote part of northwest Montana when she isn't at Oregon State University.

SUZIE GARNER, M.A., M.F.A., leads the art department at Colorado Mesa University, where she teaches art and graphic design. She has given field sketching workshops in several western national parks. Her work has been exhibited nationally and published in *1,000 Artist Journal Pages: Personal Pages and Inspirations*.

JIM GARRY, M.S., weaves natural history, human history, folklore, and myth into spellbinding stories. A naturalist and folklorist, he has spent most of the past four decades in the Yellowstone ecosystem. His books include *This Ol' Drought Ain't Broke Us Yet* and *The First Liar Never Has a Chance*.

JIM HALFPENNY, PH.D., travels the world teaching about bears, wolves, and animal tracks. He produces educational books, computer programs, and videos. He coordinated the Long-Term Ecological and Alpine Research programs at the University of Colorado. His recent books are *Yellowstone Wolves in the Wild* and *Yellowstone Bears in the Wild*.

WES HARDIN, M.ED., M.A., has worked at museums and cultural institutions throughout the United States and as an interpretive park ranger in Yellowstone. He has just completed a book about early bicycling in Yellowstone Park entitled *Wheeling Through Yellowstone: Adventurers, Tourists, and the Twenty-fifth Infantry Bicycle Corps in America's First National Park, 1883–1898*.

DAN HARTMAN lives on the northeast border of Yellowstone National Park, where he operates his gallery, Wildlife Along the Rockies, in Silver Gate. He specializes in photographing rare or elusive wildlife in their natural habitat. His photographs have been widely published in magazines such as *National Wildlife* and *National Geographic*.

MOLLY HASHIMOTO has been painting watercolors for more than 25 years. Her paintings of the North Cascades and Pacific Northwest have been widely exhibited and have appeared as Pomegranate Communications notecards for many years. In addition to teaching at the Yellowstone Association Institute, she teaches at the North Cascades Institute and the Sitka Center for Art and Ecology.

HANNAH HINCHMAN teaches journal workshops around the country. Her work is included in Cathy Johnson's *Artist's Journal Workshop* and will appear in Danny Gregory's forthcoming book on travel journals. Her books include the award-winning *Little Things in a Big Country: An Artist and Her Dog on the Rocky Mountain Front*.

TOM KIRKENDALL has been exploring the outdoors all of his life and working as a professional photographer for half that time. Travels have taken him around the world, and his landscape work has been widely published in calendars, magazines, and books. He uses everything from an 8x10 view camera to a plastic Holga and keeps a darkroom to process and print his work.

JESSE LOGAN, PH.D., has been fishing and studying insects since his dad gave him a bamboo fly rod. A retired entomologist, he is also a Certified Interpretive Guide, a Leave No Trace instructor, and holds a Yellowstone Association naturalist guide certificate. He'll be using this combination of experience and skills to teach seminars about fly fishing and global climate change.

INSTRUCTOR PROFILES

MATT METZ, M.S., is a research associate for the Yellowstone Wolf Project. He studies wolf-prey relationships in Yellowstone National Park, with a focus on how seasonal variation in predator-prey dynamics influences predator and prey populations.

LISA MORGAN, PH.D., studies the geology and geophysics of volcanoes in and near Yellowstone as a research geologist for the U.S. Geological Survey. She focuses on caldera-forming eruptions, rhyolitic lava flows, hydrothermal explosions, and the geology of Yellowstone Lake. With Ken Pierce, she developed a model for the Yellowstone hotspot.

ROBIN PARK, M.A., R.Y.T., is an archeologist and registered yoga teacher. She has been working in Yellowstone National Park for the past seven years, and is now a Yellowstone Association resident instructor. She specializes in prehistoric Native American use of obsidian. She studies Obsidian Cliff and other evidence of Yellowstone's earliest inhabitants, along with evidence left behind by more recent human explorers.

ALAN PETERSEN, M.A., paints the landscapes of the Grand Canyon, the Colorado Plateau, and other inspirational places. He is a professor of art at Coconino Community College and Curator of Fine Art at the Museum of Northern Arizona in Flagstaff. He has published numerous articles about Western art history and painters, and is working on books about painters Merrill Mahaffey and Gunnar Widforss.

WAYNE PHILLIPS is a former U.S. Forest Service ecologist who teaches about the flora of the Rocky Mountains and Great Plains. He has taught for the Institute since the early 1980s. He wrote *Central Rocky Mountain Wildflowers*, *Northern Rocky Mountain Wildflowers*, and *Plants of the Lewis and Clark Expedition*.

HAROLD PICTON, PH.D., is emeritus professor of wildlife at Montana State University and studies herbivores, carnivores, and wildlife management history. He and his former graduate students have published more than 100 scientific papers, many of which deal with Yellowstone. He has also published two books and produced a television documentary.

LYNN POWERS became fascinated with the night sky while a child and turned her interest into a career. Today she serves as the president of the Southwest Montana Astronomical Society and is one of three NASA/JPL Solar System Ambassadors for Montana. When not studying the stars, she is pursuing a graduate degree in science education at Montana State University.

KIRA A. QUIMBY, M.S., is a research associate for the Yellowstone Wolf Project. She studies interpack dynamics in Yellowstone National Park, with a focus on individual and pack composition effects on aggression.

LESLIE J. QUINN, M.ED., trains park bus tour guides, boat guides, and wranglers for the park concessioner Xanterra Parks and Resorts. As a historian, his interests include Yellowstone village history, the Howard Eaton Trail, and the maritime history of Yellowstone Lake. He contributes to *Yellowstone Science* and other park publications.

PAT SHANKS has studied Yellowstone's hydrothermal systems as a geochemist with the U.S. Geological Survey since 1996. He has also studied hydrothermal vents and black smokers on the ocean floor. Pat was a professor at the University of Wisconsin and University of California–Davis before joining the USGS.

MEG SOMMERS shares the beauty and grace of Yellowstone through her award-winning photographs. She visits the park and its environs in all seasons, photographing landscapes, wildlife, and wildflowers. She is also an enthusiastic naturalist, and brings her considerable knowledge of the area to the photo tours she leads.

ROBERT C. THOMAS, PH.D., teaches geology at the University of Montana Western. He co-authored geological roadside exhibits along the Lewis and Clark Trail and *Roadside Geology of Yellowstone Country*. His honors include the Geological Society of America Distinguished Service Award and the Carnegie Foundation U.S. Professor of the Year Award.

BRIAN THORPE, M.S., has been interpreting Yellowstone and Glacier national parks for visitors since 1988 for the National Park Service, Xanterra Parks and Resorts, and the Yellowstone Association Institute. He earned his master's degree in 2000 with a thesis project examining neotropical migrant birds in Yellowstone National Park.

JON TRAPP, M.A., served as a wolf biologist for Montana Fish, Wildlife & Parks and has worked for wolf programs in Arizona, Idaho, and Wyoming. He earned his master's degree in conservation biology from Prescott College, with a thesis focusing on wolf-den site selection in the Northern Rockies.

NATHAN VARLEY, PH.D., is a natural and cultural historian specializing in the Greater Yellowstone Ecosystem, where he has lived most of his life. He has studied many of Yellowstone's large mammals. For his doctorate, he studied the effects of wolf restoration on the park's northern range elk herd.

PATTY WALTON has resided in the Yellowstone ecosystem for over 20 years. She is an outdoor enthusiast who shares her passion when teaching safety, communication, and low-impact backpacking techniques through Leave No Trace principles. She is also a paramedic and CPR instructor.

ELIZABETH WATRY, M.A., studies the history of tourism and women in the 19th- and early 20th-century American West. She is also a museum professional who has worked in many museums, including the Yellowstone Heritage and Research Center. Her newest books are *Women in Wonderland: Lives, Legends, and Legacies of Yellowstone National Park* and *Images of America: Fort Yellowstone*.

LEE WHITTLESEY, M.A., J.D., PH.D. (HON.), can tell you who named Old Faithful, when it happened, and probably what the weather was. He is Yellowstone National Park's historian. His most recent books are *Images of America: Fort Yellowstone* and *Ho! For Wonderland*. He also has written a history of Mammoth Hot Springs, which is due to be published in 2013.

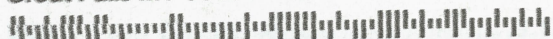
WILDERNESS MEDICINE INSTITUTE, an institute of the National Outdoor Leadership School (NOLS), has been a leader in wilderness medicine education since 1976. WMI provides all levels of wilderness medicine training for state and federal agencies, colleges, and outdoor programs throughout the West.

MATT WILHELM is a Master Certified Casting Instructor who calls the Yellowstone River his home waters. He is an award-winning fisheries educator who has been featured on ESPN twice, coordinates the fly-fishing programs for Montana's Hooked on Fishing Program, and is education director for the Invasive Species Action Network.

SUSAN ZWINGER, PH.D., 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 writing. She also exhibits her bird and plant illustrations in galleries. Her first of five natural history books, *Stalking the Ice Dragon*, won the 1992 Governor's Writers Award from Washington State.

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Wayne Phillips
2601 3rd Avenue North
Great Falls MT 59401-2854



We are proud to announce that we have provided over \$30 million in cash and in-kind support for educational programs and projects in Yellowstone, thanks to people like you.

Two Ways You Can Help Yellowstone

Join Us! Become a Yellowstone Association Member

For as little as \$35 annually for a family membership, you'll join almost 35,000 individuals who also love America's first national park. Membership benefits include quarterly educational publications, discounts on Institute courses, retail discounts in locations throughout the park, and much more!

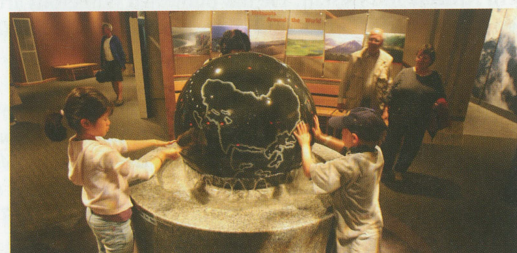
Buy Books and Gear From the Park Store

Our Park Stores are located throughout Yellowstone and on our website. They feature more than 900 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 or at home to remind you of your time in Yellowstone.

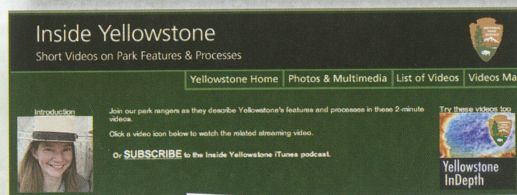
Proceeds from memberships and purchases are donated to the National Park Service to support research and education in Yellowstone, including visitor publications and state-of-the-art exhibits.

Some of the projects funded include:

- Visitor center, trailside, and roadside educational exhibits: **\$1,467,319**



- Web videos and podcasts: **\$183,760**



- Printed materials for park visitors: **\$152,021**



Photo: Karen Withrow