

## Heritage Expeditions – 2007

*Two national forests offer Heritage Expeditions in 2007. The Sweet Home Ranger District on the Willamette National Forest in Oregon offers 10 one-day guided hikes and a 4-day/4-night expedition to Judge Waldo's favorite places. The Ninemile Ranger District on the Lolo National Forest in Montana offers 19 courses covering historic building preservation and maintenance, traditional skills, and stock handling. Fees from all expeditions fund protection of historic and prehistoric sites for public use and enjoyment.*

### **Willamette National Forest, Sweet Home Ranger District**

#### **One-day Guided Hikes**

**One-day hiking fee: \$10 (\$5 with a Golden Age/Access card)**

**Please wear hiking boots, appropriate clothing, and bring a lunch with extra water. For more information contact: Joanne West, 541-367-3546**

- 1. BIRD WATCHING ON THE WILLAMETTE NATIONAL FOREST:** Location TBD.  
*June 2, June 16, 2007* – 8AM – Meet at Sweet Home Safeway parking lot.  
Easy to moderate
- 2. SANTIAM WAGON ROAD HIKE:** Hike from 7-mile horse camp to Mountain House trailhead mixing the present with the past.  
*June 29, 2007 – 8 am* – Meet at Sweet Home Ranger District  
6 miles - Moderate
- 3. WILDFLOWER HIKE:** Location TBD by availability of flowers  
*July 6, 2007 – 9 am* - Meet at Sweet Home Ranger District  
Moderate
- 4. BROWDER RIDGE HERITAGE HIKE:** This rugged hike treats you to views of Mount Jefferson, Mount Washington, and Three Sisters. There is a 1-mile side trail leading to the ridge above Heart Lake.  
*July 13, 2007 - 8 am* – Meet at Sweet Home Ranger District  
6 ½ miles – Difficult
- 5. CCC ALUMNI POTLUCK PICNIC** – No fee – open to public  
The tenth-annual picnic honoring the hard workingmen of the Civilian Conservation Corps (CCC) will be held in the historic Longbow Organization Camp. CCC Alumni, Families and anyone interested in CCC history are invited to join in this potluck picnic. Program 11:00 AM  
*August 1, 2007* – car pool available at Ranger District 9:30 AM with reservations
- 6. SOUTH PYRAMID CREEK HERITAGE HIKE:** As a link between the Old Cascades Trail network and the Middle Santiam Trails, this trail drops off the base of South Pyramid and follows the creek that shares the same name.  
*August 24, 2007 – 8 am* – Meet at Sweet Home Ranger District  
6 ½ miles – Moderate to Difficult

7. **BERRY PICKING BONANZA** – Location to be determined by availability of berries. These easy hikes will be less than ½ mile in several locations.  
*August 25, 2007 – 9 am* - Meet at Sweet Home Ranger District  
Easy
8. **GORDON MEADOWS HERITAGE HIKE:** Starting in older harvest units, the trail switchbacks into remnant pockets of old-growth forest. The trail parallels Falls Creek, as it slowly climbs up to Gordon Meadows. Beyond the Meadows, you will pass under Soapgrass Mountain, a sheer basalt cliff before arriving at two lakes.  
*August 31, 2007 – 8 am* – Meet at Sweet Home Ranger District  
7 miles – Moderate to Difficult
9. **MIDDLE PYRAMID HERITAGE HIKE:** This trail crosses Pyramid Creek and then climbs steeply up a major ridgeline using numerous switchbacks to reach the crest of Middle Pyramid.  
*September 14, 2007 – 8 am* – Meet at the Sweet Home Ranger District  
7 miles – Difficult
10. **CASCADIA CAVE HERITAGE HIKE:** This short trail to Cascadia Cave features traces of mankind dating back 8,000 years. The site features a number of ancient drawings carved into the rock wall. The markings come from early Cascade mountain inhabitants and match the style of markings left by central and eastern Oregon cultures.  
*September 21, 2007 – 8 am* – Meet at the Sweet Home Ranger District  
2 ½ miles - Easy

## **Willamette National Forest, Sweet Home Ranger District**

### **Judge Waldo, Defender of the High Cascades: A Heritage Expedition**

**August 12-16, 2007 (Sunday evening to Thursday afternoon)**

**\$475.00.** Includes lodging, meals, activities, and transportation during the expedition.

Lodging will be in rustic cabins at beautiful Clear Lake Resort.

**Contact:** Joanne West, 541-367-3546 or e-mail [jwest@fs.fed.us](mailto:jwest@fs.fed.us)

Judge John B. Waldo, a native Oregonian, was born in 1844. He graduated from Willamette University in 1870. Ten years later he was elected to the Oregon Supreme Court. Throughout his years in government, and up until his death in 1907, Waldo was a steadfast defender of Oregon's "free and untrammelled wilderness". He could easily be called "the John Muir of Oregon". And it was the High Cascades that he cherished. Join Tony Farque, Forest Service archaeologist and expert in living history, for this 4-day, 4-night expedition as we visit some of Judge Waldo's favorite places in the Cascades.

**Lolo National Forest, Montana**  
**Heritage Expeditions at Ninemile Remount Station, Montana**  
**Contact Ninemile Wildlands Training Center, 406-626-5201**  
**Or apply on-line at: [www.fs.fed.us/r1/lolo/resources-cultural/nwtc](http://www.fs.fed.us/r1/lolo/resources-cultural/nwtc)**

**1. Introduction to Shop Tools for Window & Door Construction**

**March 5-9**

**\$350**

Participants will work in the Northern Region Preservation Team's wood shop in Missoula, Montana, to learn basic skills in set up and operation of shop power equipment to construct and repair windows and doors. Power tools covered will be radial arm saw, sliding compound miter saw, jointer, surface planer, drum sander, table saw, shaper, tenoner machine, and mortise machine. The course will include tool maintenance, safety, and window glazing techniques. Students will construct and repair windows and/or doors for actual use and will gain knowledge of historic maintenance techniques, the National Historic Preservation Act, and the Secretary of the Interior's Standards for Historic Preservation. In addition, a lead awareness certification class will be held.

**2. Preparation & Application Techniques for Paint**

**May 21-15**

**\$400**

Premature failure of paint and protective coatings on exterior surfaces of modern and historic structures is a problem facing many facilities managers. This course, which is taught by the Northern Region Preservation Team, will cover the following specific topics: paint failure causes and cures; mold, mildew, and paint discoloration; surface preparation techniques, including scrapers, heat guns, steamers, and sanding; OSHA standards and regulations; lead paint removal techniques; respirators and air monitoring; suitable paint and coating products; application tools and techniques; and understanding of the National Historic Preservation Act and the Secretary of the Interior's Standards for Historic Preservation. This course will be conducted at the Ninemile Ranger Station which is listed on the National Register of Historic Places. In addition, students will receive a certificate for lead awareness training.

**3. Lead Awareness Certification**

**March 5, May 14, May 21, June 25**

**\$100**

This is a required, OSHA lead awareness class for managers, supervisors, workers, and residents who are or could possibly be exposed to lead, especially in lead paints and/or coatings. Emphasis will be on preparation and lead paint removal, the selection and application of paints and coatings and window glazing. At the end of the course students will understand and be able to apply safe work practices when working with lead paint. Students will be trained in proper surface preparation, as well as paint application and evaluation of painted surfaces to determine the amount and scope of work to be done to paint historic structures. This class emphasizes safe work practices, including hand washing and respirator usage. Students will be properly fitted with a respirator and will receive a Lead Awareness Training Certificate.

**4. Historic Structure Maintenance & Repair**

**May 14-18**

**\$350**

Students will assist in planning, designing and constructing a porch on a residence at the Ninemile Ranger Station. This site is listed on the National Register of Historic Places. The class, taught by the Northern Region Preservation Team, will focus on understanding the National Historic Preservation Act; the Secretary of the Interior's Standards for Preservation, Rehabilitation, Restoration, and Reconstruction; project planning; building inspection; working with historic blueprints and plans; using appropriate tools and techniques; and safe work practices. In addition, students will receive lead awareness training and certification.

**5. Putting a Building to Bed (Mothballing techniques)**

**June 25-29**

**\$400**

The mothballing process halts the further deterioration of a historic structure while allowing time to gather resources, funds, and information in order to preserve the building. It is a recognized preservation technique that meets the Secretary of the Interior's Standards for Historic Preservation. Mothballing essentially buys time in the decision making process while little further deterioration occurs to the structure. This course, which is taught by the Northern Region Preservation Team, will cover the following specific topics: ventilation, mold and dehumidification, structural stability, utilities, vegetation concerns, cleaning and removing excess items in the building, and the construction of door and window louvers. In addition, lead awareness certification training will be held. Due to possible mold, mildew, hantavirus, rodents, lead, and asbestos problems commonly found in buildings, it is recommended that each student receive medical clearance (Fit For Duty and Respirator Protection Equipment Usage forms) prior to attending the class.

**6. Repairing Historic Log Structures**

**August 13-17**

**\$425**

The Northern Region Preservation Team will conduct this training at a work site near Dillon, Montana, at the Birch Creek Cabin and Barn. Students will receive training in repair and replacement of deteriorated sill and wall logs and crown ends and they will develop skills in layout and cutting of notches, half-lap splicing, shaping and fitting logs, chinking and daubing techniques, as well as cribbing and lifting log structures. Several splicing techniques will be used including mechanical and epoxy joints. In addition, topics such as understanding of the National Historic Preservation Act, the Secretary of the Interior's Standards for Historic Preservation, common structural problems, and various preservation techniques will be discussed. The cabin, which was built in the 1930's, is in the district's recreation cabin rental program. Food will be provided, however students must furnish their own sleeping tent, sleeping bag and personal gear.

**7. Crosscut Saw Maintenance & Sharpening**

**April 9-13, 16-20**

**\$475**

Saw expert, Warren Miller, author the "Crosscut Saw Manual" (a Missoula Technology and

Development Center technical publication) teaches this intensive hands-on course emphasizing the art and science of fitting up and properly caring for crosscut saws. Discussion topics include: styles of saws, qualities to look for when buying a saw, and tools required to fit-up a saw. The majority of class time will be spent learning to properly sharpen your saw. At the end of the week you'll have an opportunity to spend an afternoon in the field practicing falling and bucking techniques and testing your newly sharpened saw. Bring two or three saws if you have them and all of the filing tools you can lay your hands on. We'll discuss the different tools and make sure they're properly adjusted. There will be plenty of tools and saws if you're unable to bring your own. Sign up early as space is limited to five students per week.

**8. Back Country Survival Techniques**

**August 31 – September 2**

**\$250**

Survival expert Peter Kummerfeldt conducts this training that is suitable for individuals age 15 and older. The course is designed to provide the practical knowledge needed to travel safely in the back country knowing that if an emergency occurs, a night out does not have to be a life threatening event, just an inconvenience. The following will be covered during the course: the psychology of survival, survival medicine, assembling a useful survival kit, emergency shelters, fires and fire building, water and water procurement, and signaling - the art of attracting attention. The two and a half day course consists of a combination of classroom activity, instructor demonstration, and lots of time for student practice. Participants will be required to sleep out one night.

**9. Practical Map, Compass & GPS**

**September 2-4**

**\$250**

This land navigation course consists of two and a half days of both classroom instruction and field exercises. Topics presented include: introduction to USGS topographical maps, overview of mapping software, determining position-terms and concepts, topographical map border information, contour lines and map symbols, geodetic datums, grid systems, compasses, declination and map orientation, determining distance and bearing, measuring and estimating distance, navigation techniques, and using the GPS. Field exercises will be conducted throughout the course to allow for practical application of the academic material. This will include at least one night time exercise. Note: Participants are encouraged to bring their own compass and GPS. Maps will be provided.

**10. Back Country Survival Techniques/Practical Map, Compass, & GPS**

**August 31 – September 4**

**\$450**

This course is a combination of the two above courses taught by survival and outdoor safety expert, Peter Kummerfeldt. A discount is given for those attending the full five days.

**11. Dutch Oven Basics for Couples**

**May 13**

**\$175 (includes 3 meals)**

A new class with opportunity for couples (husband & wife, fatherly & daughter, best friends, etc) to learn the art of Dutch oven cooking together. Attendees can take advantage of a reduced tuition while experiencing the same fun filled days as our traditional Low Impact Dutch Oven Cooking class. Our expert Dutch Oven Chef, Colleen Sloan, will furnish each couple with a Dutch oven to take home, and extra supplies will be available for purchase. This one day class is packed with food, fun, and complete instruction in the art of Dutch oven cooking. Ninemile Ranger Station is a beautiful setting for this course.

## **12. Dutch Oven Basics**

**May 19**

**\$125 (includes 3 meals)**

Colleen Sloan has been teaching Dutch oven cooking across the United States for the past 25 years, but she's been a Dutch oven cook all of her life. If you've attended classes at the Ninemile Wildlands Training Center the past few years, you've experienced her excellent cooking. This one-day class covers equipment for low impact cooking, seasoning and cleaning Dutch ovens, cooking for a crowd, back country menus, and packing for back country trips. Come to class with an empty stomach, we'll start cooking first thing in the morning and continue right on through to a first class dinner. Tuition includes an instructional cookbook, a Dutch oven to take home, and meals for the day. Additional supplies will be available for purchase at the course. *Note: This class is a prerequisite for our Advanced Low Impact Dutch Oven Cooking course.*

## **13. Advanced Dutch Oven Cooking**

**May 20**

**\$125 (includes 3 meals)**

Here's the class you Dutch oven cooks have been asking for! Come hungry to the Advanced Dutch Oven Cooking class and learn how to make candy, ethnic dishes, and gourmet meals and learn to cook on a cast iron wok and fry pans. Bring your own Dutch ovens and stoves, if you have them. Our Dutch Oven Chef Colleen Sloan, will furnish what you need if you don't have your own. You will leave this class with a full stomach, a new piece of cast iron cookware, and a wealth of new knowledge on the art of Dutch oven cooking.

## **14. Leave No Trace Master Educator (backpacking)**

**August 27-31**

**\$550**

This five day course is designed to teach the principles of Leave No Trace (LNT) outdoor skills and ethics. The course includes a 4-day/3-night backpacking journey in the pristine back country of Glacier National Park. Participants learn "hands-on" methods and techniques for teaching outdoor ethics to diverse audiences. Graduates are expected to share the knowledge gained in this course with others, through a "train-the-trainer" format. All material and information presented is based on the latest wildland recreation research. The course is instructed by Roger Semler, former Wilderness Manager at Glacier National Park, career wilderness ranger and manager with the National Park Service, and highly experienced Master Educator. He is assisted by Kyle Johnson, current Wilderness Manager at Glacier National Park and LNT Master Educator. Class size is limited to ten students.

This course is sanctioned by the Leave No Trace Center for Outdoor Ethics and students will receive a “Master Educator” designation and certificate.

### **15. Defensive Horsemanship**

**May 21, June 4**

**\$75**

This 8 hour course is designed to meet the need for mandatory safety training for stock users, a training requirement that applies to volunteers as well as Forest Service employees. (This course is the beginning day of the Ninemile Packing Clinic). Topics of this course include: horse anatomy, tack (good & bad), catching, leading and tying, grooming, trucks and trailers, loading and hauling, saddling, bridling, and mounting.

### **16. Ninemile Packing Clinic**

**May 21-25; June 4-8**

**\$450**

Learning how to pack mules and horses is what this class is all about. Stock use and packing has been the tradition at Ninemile since the Remount was established in the 1930's. We've offered the packing clinic at Ninemile since 1980, and we're still going strong! Montana outfitter and author, Smoke Elser teaches the course, assisted by Forest Service packers Bob Hoverson and Mark Pengelly. Topics covered in this five-day course include: stock anatomy, saddles and tack, feeding and care of stock, safe stock handling techniques, packing the Decker saddle, and minimum impact camping and stock use techniques. An overnight pack trip with an opportunity to use your newly learned skills, rounds out the week. *Note: This class is a prerequisite for the Advanced Packing Clinic offered in July.*

### **17. Advanced Packing Clinic**

**July 29 – August 3**

**\$900 (Must bring your own stock unless other arrangements have been made in advance. Government stock is limited. \$100 extra if you use government stock.)**

This seven-day course will originate from Clearwater Crossing Work Center on the Ninemile Ranger District, Lolo National Forest. A four-day progressive pack trip in the proposed Great Burn Wilderness is planned. Bob Hoverson and Mark Pengelly, along with the Forest Service Northern Region Pack Train will team up again to take you on this enjoyable week of learning to safely pack, travel, and camp in wilderness and backcountry areas. During the weeklong session you will cover all aspects of trip planning and preparation, learn to camp safely in bear country with stock, learn to practice state-of-the-art Leave No Trace principles for stock use, and practice several methods of backcountry stock management. In addition, you will spend two days working with a Forest Service trail crew supplying them with waterbars, bridge decking, gravel, and tools. Class size is limited to ten students so apply early!

### **18. Leave No Trace Master Educator (Stock)**

**May 14-18**

**\$625**

This course is designed to teach participants the principles of Leave No Trace as it applies to stock users and packers. Students learn “hands-on” teaching methods and techniques for

teaching outdoor ethics to diverse audiences. Graduates are expected to share the knowledge gained in this course with others, in a “train-the-trainer” format. All material and information presented is based on the latest wildland recreation research. Program Manager for the Ninemile Wildlands Training Center and the Northern Region Pack Train, Bob Hovereson, teaches the class assisted by other master level instructors. Class size is limited to twelve students. This course is sanctioned by the Center For Outdoor Ethics and students will receive a “Master Educator” certificate.

## **19. Bear Safety & Awareness**

**May 12**

**\$50**

This one day course is designed to teach the best practices for safe travel, camping, and stewardship in bear country. Specific subjects will include: bear identification, bear biology, use of bear pepper spray, campsite placement, food storage techniques, bear encounter and attack protocol, Leave No Trace techniques pertinent to bear country, and special considerations for women. The course is taught by Roger Semler, former Wilderness Manager at Glacier National Park and career wilderness ranger and manager with the National Park Service. He is assisted by local subject experts. This course should be of particular interest to new residents in western Montana who wish to safely enjoy outdoor recreation in the Northern Rockies.