Jackson Hole appears incredibly three dimensional. Minimal mountain snow pack reveals geologic features less apparent in other seasons. On sunny days the remnant reddish sandstone cap atop Mt. Moran seems to glow. A black diabase dike appears to bisect the middle Teton. Moran seems to glow. A black diabase dike below the valley floor. Aspen trees accent the carving power of past enormous glaciers.

Moose descend from mountain canyons. Bull elk bugle at dusk, challenge each other, and the dominant ones gather harems for mating. Exercise flights prepare Canada geese for their fall migration. Uinta ground squirrels hibernate early. A dozen smaller glaciars currently occupy ancient sites and slowly carve some of the earth's oldest, hardest rocks.

Where snowfall exceeds melting and the mountain topography permits gravity to act, glaciars flow slowly, with little sound. On lower slopes and on the floor of Jackson Hole a remarkable degree of quiet impresses both visitors and residents. Still, dry air often fills the valley, permitting enjoyment of the forest during very cold periods, although little activity occurs during week-long periods of 40° below temperatures during December and January. Snow persists through April in the valley floor. Winter's hardships. Moose is a Native American word meaning twig eater, an adaptation essential to this largest mammal in the deer family.

The large sandhill crane arrives in early May to nest near valley marshes. Their noisy mating flight encourages residents on overcast days. A glimpse of returning nesting eagles, trumpeter swans and osprey inspires spring visitors. The smell of conifers permeates wooded areas. Sage buttercups bloom quickly at the edge of melting snow pack. Spring does come to Jackson Hole, in sometimes elusive, but often rewarding ways.

Informationen in deutsch sind bei den Visitors Center in Colter Bay und Moose erhältlich.

Informationen in français gratuits aux centres de tourisme, "Moose" et "Colter Bay.

Folletos de información escritos en español se pueden conseguir en los Centros de Visitantes "Moose" y "Colter Bay."

日英双語のフライヤーは、Moose祭りの前後で入手可能。
RANGER LED ACTIVITIES THROUGH THE SEASONS

FALL
The pace has slowed and relaxed a bit from the hectic summer, but park ranger naturalists are still pleased to offer programs about the natural and human history of the park. Check at Moose and Colter Bay Visitor Centers for schedules on the following fall activities:

EVENING CAMPFIRE PROGRAMS at the campgrounds amphitheater provide an understanding of park resources and give ideas on where and how to enjoy autumn in the Tetons. FALL WALKS lead visitors to the best of autumn color changes and good areas for viewing the first new snow on the Teton peaks. WILDLIFE CARAVANS: highlight the bird and animal activity during their most visible times of the year, mating season and fall migration.

WINTER
Park ranger naturalists are ready to help you learn about this special season. Check at or call the Moose Visitor Center if you would like to participate in the following activities:

SNOWSHOE HIKES: are offered twice weekly from late December to early April. Learn about winter ecology and try your luck on "webs." Snowshoes are provided.

DO-IT-YOURSELF ORIENTEERING: gives you a chance to sharpen your skills with map and compass on a six-stop orienteering course to be traveled by skis or snowshoes. Rangers at Moose Visitor Center will provide you with map, compass, and orienteering instructions. Bring your own skis or snowshoes.

MUSEUM TOURS: of the Colter Bay Indian Arts Museum are available for schools and other groups of 15 or more. Tours may be arranged by calling Moose Visitor Center at (307) 733-2880. The visitor center is also open weekends (see visitor center listing).

SPRING
Park ranger-led activities depend upon the weather. Check in at Moose Visitor Center for the following activities:

SAGE GROUSE STRUTTING occurs in late April and early May. Rangers lead early morning car caravans to the strutting grounds where visitors learn about these birds and watch them perform one of the most fascinating mating displays in the wildlife world.

SHORT TALKS AND MUSEUM TOURS help visitors understand and appreciate the park resources and give ideas on what to do and see during a spring visit to the Tetons.

EVENING CAMPFIRE PROGRAMS at the campgrounds amphitheater provide an understanding of park resources and give ideas on where and how to enjoy autumn in the Tetons.
OVERSNOW CLOSURES
Winter is a critical time for the survival of wildlife. Observe the animals from a distance. If you cause an animal to move you are too close. Unnecessary movement will cause an animal to use the body fat needed to survive through the spring. The Snake River bottom from Moose north to Moran Junction, the area adjacent to the Oxbow Bend, and the Willow Flats area are closed to all oversnow use during the winter because these areas provide critical winter habitat for many different species.

In addition, other areas may be closed by the superintendent to protect wildlife from human disturbance.

On Your Own
Explore the park on your own by taking a self-guiding trail. Trail leaflets are available at Moose and Colter Bay Visitor Centers. A few leaflets will be left in the leaflet boxes for those visitors wanting to make these trips on skis or snowshoes. The trails are not marked for winter use.

Menor's Ferry Trail — a 1/2-mile loop begins at the Chapel of the Transfiguration parking lot in Moose. Cascade Canyon Trail — begins at the east shore boat dock at Jenny Lake and goes as far as Lake Solitude. Cunningham Cabin Trail — trailhead is six miles south of Moran Junction for this 1/2-mile trail. Oxbow Bend Trail — trailhead is located three miles east of Jackson Lake Junction. The trail lies east of the Oxbow Bend waterway.

Lunch Tree Hill Trail — trailhead lies immediately north of the main Jackson Lake Lodge building. Small wayside exhibits interpret this short trail.

Colter Bay Nature Trail — to reach this one-mile loop trail follow the paved trail west of Colter Bay Visitor Center approximately 1/2-mile to the trailhead.

National Park Service campgrounds are operated on a first-come, first-served basis for a fee of $7.00 per night per site.

Camping is permitted in the parking area at the Colter Bay Visitor Center and at the Taggart Trailhead parking lot (pet toilet only) north of Moose. Reopening dates are subject to snow and temperature conditions.

The importance of the park, trail booklets and the Teewinot and educational activities of the National Park Service in Grand Teton National Park.

Climbing and Backpacking
All climbing and overnight backcountry users are required to register at the Moose Visitor Center. Weather and avalanche hazard forecasts are available. Only experienced mountaineers with ice axes and essential equipment should travel on steep snow slopes.

Cross-country skiing is an exhilarating way to enjoy the winter season.

CROSS-COUNTRY SKIING
A map of cross-country ski trails is available at Moose Visitor Center. A number of trails are marked with orange indicators. The trails are not groomed, but the trail north to Jenny Lake is usually tracked by many skiers.

Snowmobiling
Overnight vehicles must be registered at Moose Visitor Center each year. A state snowmobile registration is required. A map and list of regulations is also available. The snowmobile season varies with the snow conditions. It generally runs from late December to early April. Current information about ice conditions on Jackson Lake is posted every Friday during the season at the Moran Entrance Station.

Fishing
A Wyoming state fishing license is required to fish in Grand Teton National Park. Jackson Lake is open to fishing year-round, except October 1 to November 1 during the spawn. Jenny, Leigh, Phelps and Two Ocean Lakes are open year-round. The Snake River is open April 1 through October 31. Complete fishing regulations are available.

The TEEWINOT is a publication of the Grand Teton Natural History Association. The association publishes books on the park, trail leaflets and the Teewinot and contributes funds for other projects in support of the park and Association goals.

Books, maps and pamphlets on Grand Teton National Park may be purchased through mail orders by writing to the Grand Teton Natural History Association, Moose, WY 83012.

The Teewinot is issued three times a year. Mail copies of single issues may be requested by writing: Teewinot, Grand Teton National Park, Drawer 170, Moose, WY 83012. Reproductions of all or part of the material in this publication is prohibited without prior consent of the Grand Teton Natural History Association.

This issue was produced by: The staff of Grand Teton National Park Riddell Photographics: Photography, Design, Typography Jackson Hole Guide: Printing

Camping

<table>
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<tr>
<th>Campground</th>
<th>Approx. Opening</th>
<th>No. Sites</th>
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<tbody>
<tr>
<td>Gros Ventre</td>
<td>May 10</td>
<td>360</td>
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<tr>
<td>Jenny Lake (esto only)</td>
<td>May 24</td>
<td>49</td>
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<tr>
<td>Signal Mountain</td>
<td>May 24</td>
<td>86</td>
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<tr>
<td>Colter Bay</td>
<td>May 24</td>
<td>390</td>
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<tr>
<td>Lizard Creek</td>
<td>June 21</td>
<td>60</td>
</tr>
<tr>
<td>Snake River</td>
<td>June 21</td>
<td>24</td>
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</tbody>
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Natural history and field ecology courses for all ages are offered year-round at the Teton Science School. The school is private, non-profit and is located in Grand Teton National Park.

A two-week winter ecology course for college credit is being offered December 29, 1984 through January 13, 1985. A short winter ecology program is being offered the following weekend, January 18-20. A humanities series of evening lectures follows by one-day seminars is offered through winter and spring.

Each summer there is a high school (credit) field biology course, as well as a weekly seminar series which can be taken for college credit.

Courses can be designed to meet the needs of special groups.

For further details about the school's programs, write to the Director, Teton Science School, Box 68-TW, Kelly, WY 83011 or call (307) 733-4765.

Driving Tips
• Drive only on established roads. All motor vehicles are prohibited on bike-ways. A solid white line on the side of the road indicates a bike route.
• Watch for visitors stopping suddenly to observe wildlife or scenery. Please be patient. That’s why the park is set aside.
• Pull vehicle well off roadway to observe wildlife or to take photographs. Photograph animals from a safe distance. All animals are wild and quick.
• Report any accident to a park ranger.

Pets
Pets must be on a leash at all times. They are not permitted on trails or in the backcountry. During the winter, pets are not permitted off established roads or parking areas. Pets are also not permitted in visitor centers or other public buildings.

Protect yourself. Know your equipment and your capabilities and limitations. Carry extra layers of dry clothing and put them on in time to prevent hypothermia. Never leave a member of your party alone. Let someone who remains behind know your planned destination, route and expected time of return.

Hypothermia is the prime cause of human fatality in mountain country. When the temperature within the core of the body drops, the brain fails to function properly. Carry extra layers of dry clothing and put them on in time to prevent hypothermia. Never leave a member of your party alone. Let someone who remains behind know your planned destination, route and expected time of return.

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FOR THE VISITOR

Lodging, meals, gifts, services, transportation and serendipity available in Grand Teton National Park. For information, contact: Parrot's Nest. Important opening and closing dates. These goods and services are delivered by independent contractors. The Park service makes no guarantees.

• OPEN IN WINTER

ACCOMMODATIONS


COLTER BAY LAUNDERETTE - Opens May 24.

COLTER BAY TRAILER VILLAGE - Daily, 8:00 a.m. to 11:00 p.m. June - Oct. 1.

COLTER BAY GROCERY AND GENERAL STORE - Open all year.

COLTER BAY MARINA - Snack bar and beer.

COLTER BAY HOTEL - Breakfast: 7:00 a.m. to 10:00 a.m. (noon Sunday). Lunch: 12 noon to 2:30 p.m., 5:00 p.m. to 7:00 p.m. Dinner: 5:00 p.m. to 9:00 p.m. (Sunday, 4:00 p.m. to 9:00 p.m.). For reservations call 543-2631 or 3410.

COLTER BAY STORE - Open 8:00 a.m. to 10:00 p.m. June - Oct. 1. Summer hours vary. Closes Sept. 16. Opens June 8.

COLTER BAY GROCERIES & TACKLE SHOPS

RIVER & LAKE MULTIDAY FLOAT TRIPS

PARKLANDS EXPEDITIONS - Two-through-six-day raft and fly-fishing packages available. Call 543-2532. Write Box 253, Jackson, WY 83001.

SNOWMOBILE TOURS

GRAND TETON LODGE COMPANY - Moose Chevon Station. Guided snowmobile tours of Grand Teton National Park. Tours can be arranged daily during December and January. For reservations call 543-2811. Write Box 355T, Jackson, WY 83001.

CAMPERS & TRAILER SERVICES


COLTER BAY LAUNDERETTE - Opens May 24.

COLTER BAY TRAILER VILLAGE - Daily, 8:00 a.m. to 11:00 p.m. June - Oct. 1.

CAMPFIRE & TRAILER SERVICES (continued)


SERVICE STATIONS

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