Steamboat Geyser Erupts

Scientists are examining data that may or may not indicate a recent major eruption of Steamboat Geyser, at this point, no one is quite sure. On March 26, at about 9:45 a.m., Yellowstone Center for Resources staff received a report that the geyser was in its steam phase. The plume was clearly visible from the Norris Geyser Basin trailhead.

Since its first known eruptions in 1878, major eruptions have occurred numerous times over periods of a year or two, followed by decades of relative inactivity. Steamboat is the world’s tallest geyser; major eruptions can reach 250 feet in height, dispersing thousands of gallons of water in less than 20 minutes. An only slightly less dramatic steam phase follows the water phase. At the source of the steam, the deep rumbling within the cone is registered more as a physical sensation than an aural one.

When Steamboat erupts, water flows down both a main and a secondary channel. During the March 26 eruption, the majority of the water flowed south down the main channel. Scientists visiting the site on April 1 noted pine needles and branches along the sides of the main channel, indicating the level of water that had recently transported coarse debris downstream. At the footbridge that crosses the main channel about 80 meters downstream from the geyser, the width of the water flow varied from 4.1 to 4.6 meters.

Below the footbridge, the debris was deposited as a fan-shaped landform, varying from a width of 8 meters near the footbridge to a maximum width of 47 meters, approximately 27 meters downstream of the footbridge. The floodwaters piled up pine needles (0.5 to 2 cm deep) around the base of pine trees in the middle of the debris fan.

Scientists are still analyzing the data from Steamboat Geyser’s recent activity. The exact nature of the event has not yet been determined. If a major eruption did occur on or before March 26, it would be the third major eruption in the past eleven months.

Steamboat erupted again on April 27, 2003, between 3:53 a.m. and 3:54:30 a.m.
Personnel News

New Permanent Appt:
Gene Kremer
Grounds Department - Mammoth
EOD 5/18/03

Stuart Loren
Utility Systems Operator - Old Faithful
EOD 06/29/03

David Sulewski
Utility Systems Operator - Grant
EOD 06/01/03

Don Wethington
Small Craft Operator
EOD 05/04/03

Reassignment:
Colleen Curry
from Arlington House,
The Robert E. Lee Memorial
Museum Curator - Mammoth
EOD 06/01/03

Timothy Wilkinson
from Gulf Islands National Seashore
Park Ranger (Protection) - Gallatin/Bechler
EOD 05/04/03

Judy Kobus-Fisk
Concessions Management Assistant - Mammoth
EOD 06/01/03

Lessie Sites
Administrative Clerk (OA) - Mammoth
Fire Cache
EOD 05/18/03

AWARDS

Harry Yount Award – Dan Kraft, who has been a seasonal law enforcement ranger for 30 years and is currently a Helitack Crew Member, was nominated for the Harry Yount Award. The award is given annually for excellence in the art and science of “rangering”. Just to be nominated for the award is an honor. Dan received a mounted certificate for his nomination, as well as a letter from the Director of the Intermountain Region.

Yellowstone Peer Award

Dan Reinhart,
Resource Management & Visitor Protection Division
Norris Ranger Museum VIPs, 2003

Please stop in to visit with these retired (and a few current) NPS employees.

Jim Lenertz May 24 – June 11
Bob Haraden May 27 – 30
Frmk Weingart June 4 – 14
Kenneth Hulick June 15 – 25
Terry Lang June 18 – 28
Dale and Betty Smith June 29 – July 9
Jack and Roberta
Davis July 2 – 12
Norman D. Hellmers July 13 – 23
Bill Lewis and Sue
Kusserow July 16 – 26
Glenn Clark July 27 – August 6

Paul and Nadine James
Pete and Joyce Parry
Leslie Price
Roger Rudolph and Connie Austin
Peter Thompson and Carol Mozet
Al Mebane
Ben Ladd
Jim and Eddie Caslick
Teresa Lovelace
and Mike Thomas
August 24 – Sept. 3
August 27 – Sept. 6
September 7 – 11
September 11 – 20
September 14 – 24
September 24 – 29

Thank You

I want to first thank all the people that expressed their feelings and condolences to me and our family at the passing of Pat Coleman. I want also to thank those who gave to the Patricia Coleman Foundation. The trust is currently over $22,000 and should afford us the opportunity to grant some medical and dental projects for children this fall. Only the earnings from the principal are used and so as the fund grows, so does the available money for needy children’s causes for Park County and the surrounding area. You certainly can donate to this non-profit, tax-exempt charity at any time. The address is:

Patricia Coleman Foundation
P.O. Box 2162
Livingston, MT 59047

Secondly, I wish to extend an invitation to all to participate in the 1st Annual Patricia Coleman Foundation Children’s Health River Run. The event is scheduled for May 17, 2003, in the Livingston Sacajewa Park. If you are not a runner, help is needed as race monitors, and before, during and after the children’s run.

Eager participants can apply to the address in the flyer on the following page, volunteers can call me directly at (406) 333-4964.

Thanks so much, again.
Stu Coleman
The Patricia Coleman Foundation's

Children's Health
River Run

5K & 10K run
1/2 Mile Children's run

Location: Sacajewa Park

Date and time: Saturday, May 17, 2003
9 a.m. children's run start
9:20 a.m. 5K & 10K start

Fees: $15 by May 11; $20 day of race

Entry Forms to: The Patricia Coleman Foundation
P.O. Box 2162
Livingston MT 59047

5K & 10K run and 1K children's run, Saturday May 17, 2003

Name_________________________________________ Age on May 17, 2003________
Address________________________________________ Phone________________________
City, State, ZIP__________________________

Event: _10K__ _5K__ _1K__ Age Division:________________________

T-Shirt Size: _S_ _M_ _L_ _XL_ Male: ______ Female: ______

PATRICIA COLEMAN FOUNDATION CHILDREN'S HEALTH RUN WAIVER AND RELEASE FORM. All participants (parent/guardian if participant is under 18) must read and sign this release.

IN CONSIDERATION OF YOUR ACCEPTING THIS ENTRY, I hereby, for myself, my heirs, executors, and administrators, waive and release any and all rights and claims, for damages I may have against Park County, and The Patricia Coleman Foundation and co-sponsors, their agents, representatives, successors, and assigns for any and all injuries by me at the event.

Signature__________________________________________
SPRING ROAD SCHEDULE/CONSTRUCTION

May 23 Sunlight Junction and Long Lake Gate over the Beartooth Highway, Tower Fall to the Chittenden Road and Canyon to the Chittenden Road trailhead

ROAD CONSTRUCTION

Several road construction projects are scheduled throughout the park. Visitors should be prepared for delays and closures. Road construction projects and schedules are listed below.

Madison Junction to Norris Junction:

Road construction will begin April 15 and continue to mid-September. The road will be open 24 hours a day with 30-minute delays. It will be open without delays during holiday weekends. The first phase of this road project should be complete by mid-September, and the road will remain open until it closes as scheduled in November.

Canyon Junction to Tower (Dunraven Pass):

The road north from Canyon Junction to the Chittenden Road on Dunraven Pass will be closed all season. Visitors will still be able to access the Chittenden road from the Tower Junction side; the road south of Tower Junction will remain open.

Canyon Junction to Fishing Bridge (Hayden Valley):

Beginning early spring: OPEN with 30-minute delays from 5:00 a.m. to midnight

After July 4: OPEN with possible one-hour delays from midnight to 5:00 a.m.

Get Well Wishes

U. S. Magistrate Stephen Cole underwent successful quintuple bypass surgery in Billings on Monday, May 5, 2003. He is out of ICU and doing well. No specific date has been given for his release. He is in Billings Deaconess Hospital, 2800 10th Avenue North, Billings, Montana 59101, (406) 657-4000, for anyone interested in sending cards or flowers.
New Employee joins Interpretation Staff ~
In April, Matt Johnson joined the Division of Interpretation at Old Faithful as a park ranger. Matt is a native of Ann Arbor, Michigan, and graduated from Hope College in Holland, Michigan, with a degree in political science. He eventually went on to obtain a law degree, specializing in environmental law, public land management, and biodiversity protection.

Matt has called many parts of the United States “home” as he enjoyed seasonal and permanent positions with the U.S. Forest Service and National Park Service. These have included wilderness ranger positions on the Tongass and Superior National Forests, and interpretive ranger positions at Waputki, New Mexico, Grand Canyon National Park, Everglades National Park, and Ford’s Theater National Historical Site.

Reading (Shakespeare, Hawthorne, Barry Lopez) is one of Matt’s interests, as well as outdoor pursuits like windsurfing, swimming, hiking, and biking. Bandit, a Jack Russell terrier of 11 months, lives at Old Faithful with Matt. Right now, Matt says that his favorite place is Georgian Bay, Ontario, but maybe that will change after a summer in Yellowstone! Welcome Matt!

Retirement – John Whitman, Principal
After 38 years of teaching (1965-2003) in Yellowstone National Park, John Whitman is retiring. He has taught hundreds of students and has helped in the lives of many families who reside or once resided in Yellowstone. His retirement celebration offers the opportunity to celebrate the legacy and the legend of a caring teacher who spent his life helping others.

May 24, 2003
Mammoth Recreation Hall

COST: $17/Adults $10/Children
(* Cost includes a donation for a gift for the Whitman’s and cost of the band.)

Schedule:
4:00 p.m. Social Hour
5:00 p.m. Dinner Begins*
7:00 p.m. Program
8:00 p.m. Dance (Country Band)

*Xanterra will provide the main course for dinner and local residents will bring potluck side dishes and appetizers.

Lodging – Rooms have been block-booked. Make reservations with Xanterra Lodges by calling Tami Whittlesey, 307-344-5518. Please mention John Whitman’s Retirement Celebration.

Volunteer Help Needed – Local residents please call Mary McCaleb (344-7772) or Joan Marty (344-6595). Help make this an exciting tribute for John and Bev Whitman.

Questions, contact, mailing address and more information: c/o David Stringfield, P.O. Box 568, Yellowstone Park, WY 82190, (307) 344-7713, email: johnwhitmanretires@hotmail.com
Yellowstone Federal Employees Association

Election Results

- Secretary - Colleen Athas
- Vice-President - Leigh Anne Dunworth
- Events Coordinator is still pending

Yellowstone Federal Employees Association is for the benefit and enjoyment of the employee and is run by hard working volunteers. If you have any time you could donate to a great cause, don’t be shy. The only way to keep it going is by joining and lending a helping hand. The current board members are:

<table>
<thead>
<tr>
<th>President</th>
<th>Jim Sykes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vice President</td>
<td>Leigh Anne Dunworth</td>
</tr>
<tr>
<td>Membership Coordinator</td>
<td>Edna Good</td>
</tr>
<tr>
<td>Secretary</td>
<td>Colleen Athas</td>
</tr>
<tr>
<td>Treasurer</td>
<td>Kris Peters</td>
</tr>
</tbody>
</table>

Field Trip

YFEA proudly presents the 2nd Employee Orientation (Field Trip) to Cody, Wyoming, on June 10th and again on June 11th, for a tour of the Buffalo Bill Museum. We will be leaving Mammoth no later than 6:30 a.m. and returning around 7:30 p.m. Please bring a sack lunch and any snacks you want – it should be a fun day. The cost is $20.00 per person and covers admission and fuel for the bus. Seating is limited to the first 80 people that sign up and pay by May 30th. Hurry and reserve your spot by contacting Colleen Athas in the Supply Center or call 344-2077.

This trip is sponsored by YFEA, but could only be accomplished through the outstanding support of the Superintendent’s Office. Please get your supervisor’s approval before you sign up. This will be considered a regular work day, but no credit will be given for hours outside your regular tour of duty. No one will be in travel status, so per diem will not be paid. No alcoholic beverages will be allowed on the bus. Dress casual and please leave your uniform at home. Interior employees can meet the bus in the government housing areas at Norris, Canyon, Lake and the East Entrance.
Community Announcements

Mexican Fiesta Night

Come enjoy a night of family fun! Mark your calendar for May 15th. The Gardiner Community Center is going to celebrate spring with a fantastic night of family fun. "Senorita Elena" will be "chief chef" of an irresistible Homestyle Mexican Dinner. Servers dressed in Mexican attire will serve you a meal of beef and chicken enchiladas, Elen’s refried beans, homemade tortilla chips with salsa fresca and, of course, a Mexican hot fudge ice cream dessert to die for. There will also be fresh margaritas or ice cold Coronas with lime available. After the meal there will be piñatas for the kids to break and, of course, we’ll challenge your flexibility to a fun round of limbo or a mambo through the cake walk. Fun for the whole family and a fundraising effort for the Gardiner Community Center. The cost for this night of family fun is ONLY $6.50 for adults and $3.50 for children. Come and enjoy the wonderful people we have in our community. Tickets are available from any board member: Heather Britton, Barry Christianson, Kathy Higgins, Phil Davidson, Kelly Stermitz, Elaine Krogstad, Karen Hayes, Janet Lewis, Bennet Rees, Schalene Darr, Roy Renkin and Joe Gross.

WANT TO WIN A COOL GRAND???

Help support Little People’s Learning Center by purchasing raffle tickets. One lucky winner will walk away with the grand prize of $1000 CASH!!!!!!! Other great prizes will also be given away!!– a Yellowstone Lake fishing package getaway that includes a 4-hour guided fishing trip for up to 4 people, dinner for two in the Lake Hotel Dining Room and a one-night stay in the Lake Hotel; $250 in cash; a $50 gift certificate to the North Entrance Food Farm; a $30 gift certificate to the Park Street Grill; two $25 gift certificates to the Café Elderweiss at Big Sky; and an oil change at the Tire Iron. Tickets are $5.00 each or 6 for $25.00 and can be purchased from any Little People’s parent or by calling Stacy Vallie at 344-2012 (days) or 848-7109 (evenings and weekends). Drawing will be held on May 23. Need not be present to win. Proceeds to benefit Little People’s Learning Center. Thank you for supporting our school!! Special thanks to the following for their generous contributions of prizes for the raffle: Xanterra Parks and Resorts, Inc., Larry and Debbie Demaree of the North Entrance Food Farm, Phil Currie of the Park Street Grill, and Chuck and Carrie Ludwig of the Tire Iron.

TREASURE ISLAND

On Friday, May 16th at 7:00 p.m., at the Yellowstone Park School, follow young Jim Hawkins and his friends as they sail a dangerous sea of adventure with Long John Silver and his pirate band at the helm. The Missoula Children’s Theatre and the students at Yellowstone Park School will present an original musical adaptation of Robert Louis Stevenson’s epic novel TREASURE ISLAND. Free Admission! Please contact Joan Marty at 344-7464, if you have any questions.
The Yellowstone Stage

-Summer 2003 Series of Guest Speakers, Authors, Musicians & Artisans
Sponsored by Xanterra Parks and Resorts, Yellowstone

In the Old Faithful Inn Lobby
"Celebrating 100 Years on a Worldwide Stage"

Sunday, June 15, 2003  Chuck Box, Author
Open Season, Savage Run, WINTERKILL

Monday, June 16, 2003  Chuck Box, Author
Open Season, Savage Run, WINTERKILL
Jett Hitt, Composer
Yellowstone for Violin and Orchestra

Tuesday, June 17, 2003  Dave Peterson, Author
Yellowstone, Like No Other Place on Earth

Free Admission

Ducks Unlimited

The Gardiner Ducks Unlimited would like to thank all of you that purchased tickets for the recent Ducks Unlimited raffle.

Prize winners include: Kurt Kradolfer of Bozeman, rifle; Steve Marsh, fly rod and reel; Dave Morse, Xanterra fishing trip; John Sacklin, Beyond Yellowstone horse ride. Congratulations to all!

Also, thanks to the committee members who contributed their time and efforts: Bob Olig, Eric Robinson, Janet Lewis, Tom Mohony, and Tom Knox.

~ For Gardiner Ducks Unlimited,
Phil Davidson

Financial Contributions Needed

As you may know, a fire broke out at Clara’s Closet, the American Red Cross thrift store in Livingston, on Saturday, April 6th. The new temporary location is 116 North B Street (across from the Credit Union). There is a sizeable deductible for the insurance policy to be paid, not to mention lost revenue due to the business interruption. If you would like to support Clara’s Closet, please send a monetary contribution to: Clara’s Closet Thrift Shop Fund, American Red Cross of Montana, Park County District, P.O. Box 53, Livingston, MT 59047.
Calf Elk Mortality Study

The potential effect of restored wolves on elk populations in Yellowstone is a subject of lively debate among biologists, legislators, and local residents. Elk are the most abundant ungulate in the park and comprised more than 85 percent of documented wolf kills between 1997 to 2002. To gain reliable knowledge about the effects of wolves on the population of northern Yellowstone elk, park managers need to know the extent to which wolf predation is additive or compensatory to other sources of mortality. Compensatory mortality occurs when predators kill elk that would have died from another cause of mortality, such as predators killing animals in poor body condition that would have died of starvation.

A study of elk calf mortality prior to wolf restoration indicated 35 percent of elk calves died before October 1st, and 72 percent of all summer deaths were due to predators (i.e., bears, coyotes, eagle). During summer 2003, we will initiate a similar 3-year study of elk calf mortality on the northern range of Yellowstone National Park. The study will be conducted in collaboration with biologists from the U.S. Geological Service-Northern Prairie Wildlife Research Center, University of Minnesota, and Montana Fish, Wildlife, and Parks. The study will assess the degree to which wolf predation on calves is additive or compensatory to other forms of mortality by:

1. Determining the relative causes and timing of elk calf deaths following wolf recovery;
2. Evaluating if survival rates and recruitment of elk calves are lower following wolf recovery; and
3. Evaluating if wolves and other predators tend to kill elk calves in poorer nutritional condition.

During May and June, biologists will capture and place an ear tag transmitter on 35-50 elk calves less than 4 days old. Captures will occur in the Gardners Hole, Blacktail Deer Plateau/Hellroaring Creek, and Lamar Valley areas. Each ear tag transmitter weighs approximately 23 grams (<1% of calf weight) and emits a specific radio signal that biologists can use to locate them. Also, the circuitry of each transmitter includes a motion-sensitive mortality sensor that changes the pulse signal rate when the animal is motionless for 4 hours. Thus, these transmitters will allow biologists to monitor survival on a daily basis without the need to visually locate each animal.

Capture efforts will be conducted primarily using a helicopter with a 2-person capture team because this method is more efficient and reduces the disturbance time to female elk and their calves. Helicopter captures are tentatively planned for three, 2-day periods (i.e., 6 total days) in early (May 22-23), middle (May 29-30), and late (June 9-10) calving season. Though the majority of captures will occur via helicopter, some captures will also occur via foot or horseback during those periods when the helicopter is not available.

Elk calves fit with ear tag transmitters will be intensively monitored for the first year of their lives. Aerial and ground crews will monitor ear tag frequencies each day and locate transmitters on mortality mode. Ground crews will then visit death sites as soon as possible and necropsy calves to determine the cause of death.

The study may affect the experience of some park visitors exposed to helicopter noise during capture operations. We will attempt to minimize this disturbance and ask visitors to remember that, ultimately, this study will provide essential information for park managers to make better informed management decisions, explain park policies/practices, and address the effect of wolves and other predators on the Yellowstone ecosystem.

For more information, please call P. J. White at 344-2442.
YELLOWSTONE OPERATING PROCEDURES
RESIDENTIAL PLANTING POLICY (May 30, 2001)

Background

Most of the park residential areas are either not directly associated with cultural landscapes, or are associated with cultural landscapes, which contained residential plantings. Yellowstone’s high elevation, native soil types, and relatively harsh environment limit the successful growth of many lawn grasses and ornamental plants.

In some instances, quarters are located within historic districts (Mammoth, Fort Yellowstone, and the Gardiner-North Entrance area). Fort Yellowstone, including Soapsuds Row, was formally designed in rigid, military style; lawns were planted early and irrigated, and trees and shrubs placed in deliberate alignment. Fairly formal plantings were done in the H.S. Childs (a.k.a. Executive House) area, where river birch was placed in an ornamental manner. In the Gardiner/North Entrance area are several historic houses around which large shade trees were deliberately planted only in the rear, while small-scale ornamentals (e.g., crabapples and lilacs) were planted in front in a conscious effort to not alter the visual connection to the expansive “prairie” feel of the adjacent landscape. In these and potentially other areas that may be determined to be cultural landscapes, the guidelines for plantings may differ due to cultural resource management objectives

General Guidelines

This policy shall apply to all individually assigned residences and to common spaces within multi-family dwellings, with the area-specific exceptions listed. This policy shall not cover landscaping in the non-residential spaces (e.g., park campgrounds, concession-assigned spaces, the Fort Yellowstone Parade Grounds).

Occupants of park residences may support native landscaping around their assigned quarters, and are reminded that it is against NPS policy to introduce non-native species such as plants that may spread beyond residential gardens and/or hybridize with similar native plant species.

Vegetables, herbs, and ornamental plants may be planted indoors at residents’ discretion.

Due to concerns for landscaping, maintenance, safety, and potential conflicts with buried utility lines, park maintenance staff are responsible for planting and pruning all trees and shrubs in all park residential areas. Residents may request the planting of trees and shrubs through the Branch of Landscape Architecture in the Maintenance Division. Such requests may be granted, within cultural landscape guidelines, based on the availability of plants and maintenance staff time. Material and labor for fencing trees only will be provided by the NPS; residents are responsible for watering trees and shrubs.

Due to the potential to attract bears and other animals from natural zones into the developed areas where they may conflict with residents or park visitors, threaten human safety, or be more likely to have to be removed, no vegetable gardens shall be planted in the ground, and those that exist should be phased out by June 2002 with no replacement, with the exception that historically planted rhubarb or other wild edible plants may remain.

Container plantings (which may not be buried in the ground but may sit on porches, railings, or the ground and which may be hung or contained within window boxes, etc.) are generally not restricted except as indicated on the attached list (Appendix 1, Part I). Containers should have bottoms. Residents are responsible for maintenance of container plantings.
Soil from indoor or outdoor pots should not be dumped on the ground, but should be disposed of in trash dumpsters to prevent inadvertent spread of non-native plants. If any species originally contained in a planter or pot comes up in the ground, it indicates a potential problem which should be reported to the park botanist so that it can be documented and then removed.

Except as specified below, ornamental species (Appendix 1, Part II) may be planted in the ground along the length of any residence for a distance not to exceed three feet outward from the base of the building, or in obviously planned planting areas (e.g., in Mission 66 residences in lower Mammoth between the house and the sidewalk connecting the driveway to the front door, and at Building 70, in the common space between the main entrances along the front/southwest side of the building, and/or alongside the steps into apartments at either end.) To assist residents, Appendix 1 Part I lists species that are clearly prohibited from being planted, and Part II lists some species that are “Acceptable for Ground Planting.” Residents should ask the park botanist for advice if unsure about any species they wish to plant.

Any edging or fencing shall be compatible with the residential area; edging, watering, and maintenance of ground plantings shall be the responsibility of residents. The superintendent, at his/her discretion, may limit ground or container plantings, fencing, or edging for aesthetic or other reasons in any area of the park.

Area Exceptions

1) Fort Yellowstone: **On Officers’ Row**, ground plantings are permitted only on the northeast or “rear” sides facing the street behind the row, along the length of any residence for a distance not to exceed three feet outward from the base of the building. Edging shall not be permanently connected to any residence. See Appendix 2 for suggested edging and planting bed materials and designs.

2) Gardiner/North Entrance: ground plantings are permitted along the length of any residence for a distance not to exceed three feet outward from the base of the building. Edging shall not be permanently connected to any residence. See Appendix 2 for suggested edging and planting bed materials and designs. Existing plantings and edging should be left in place.

3) Some non-native plants (e.g., cottonwoods, lilacs, water birches) may be maintained within historic districts as befits cultural landscape management objectives. Responsibility for planting, pruning, and replacing these plants will be with the maintenance division, after discussion with cultural resource staff. Completion of cultural landscape studies may result in changes in the planting policy for historic areas.
## PART I. SPECIES NOT PERMITTED IN OUTDOOR CONTAINERS OR GROUND PLANTINGS

Plants in the same genus as native species that could potentially exchange genetic material with the park’s native plant species and are, therefore, prohibited, even in pots:

<table>
<thead>
<tr>
<th>Native Species</th>
<th>Exotic Species</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ox-eye daisy</td>
<td><em>Crysanthemum leucanthemum</em></td>
</tr>
<tr>
<td>Common tansy</td>
<td><em>Tanacetum vulgare</em></td>
</tr>
<tr>
<td>Purple loosestrife</td>
<td><em>Lythrum salicaria</em></td>
</tr>
<tr>
<td>Creeping bellflower</td>
<td><em>Campanula rapunculoides</em></td>
</tr>
<tr>
<td>Baby's breath, gypsophila</td>
<td><em>Gypsophila paniculata</em></td>
</tr>
<tr>
<td>Hollyhock</td>
<td><em>Althaea rosea</em></td>
</tr>
<tr>
<td>Dalmatian toadflax</td>
<td><em>Linaria dalmatica</em></td>
</tr>
<tr>
<td>Butter-and-eggs</td>
<td><em>Linaria vulgaris</em></td>
</tr>
<tr>
<td>California poppies</td>
<td><em>Eschscholzia californica</em></td>
</tr>
<tr>
<td>Tatarian honeysuckle</td>
<td><em>Lonicera tatarica</em></td>
</tr>
<tr>
<td>Matrimony vine</td>
<td><em>Lycium barbarum</em></td>
</tr>
<tr>
<td>Bachelor buttons</td>
<td><em>Centaurea cyanus</em></td>
</tr>
<tr>
<td>Cultivated columbines</td>
<td><em>Aquilegia spp.</em></td>
</tr>
<tr>
<td>Native geranium</td>
<td><em>Geranium spp.</em></td>
</tr>
<tr>
<td>Phlox</td>
<td><em>Phlox spp.</em></td>
</tr>
<tr>
<td>Wall flower</td>
<td><em>Erysimum spp.</em></td>
</tr>
<tr>
<td>Onions</td>
<td><em>Allium spp.</em></td>
</tr>
<tr>
<td>Irises other than “bearded iris”</td>
<td><em>Iris spp.</em></td>
</tr>
<tr>
<td>Violets</td>
<td><em>Viola spp.</em></td>
</tr>
<tr>
<td>Penstemons</td>
<td><em>Penstemon spp.</em></td>
</tr>
<tr>
<td>Cultivated lupines</td>
<td><em>Lupinus spp.</em></td>
</tr>
<tr>
<td>Cultivars of wild flax</td>
<td><em>Linum spp.</em></td>
</tr>
</tbody>
</table>

“Native wildflower mixes” often include species not native to Yellowstone and are highly invasive; these mixes should not be used. If you have questions about these or other species not listed here, please contact park botanist Jennifer Whipple at 344-2226.
**PART II. SPECIES ACCEPTABLE FOR GROUND PLANTING**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tulips</td>
<td><em>Tulipa</em> spp.</td>
</tr>
<tr>
<td>Daffodils</td>
<td><em>Narcissus</em> spp.</td>
</tr>
<tr>
<td>Crocus</td>
<td><em>Crocus</em> spp.</td>
</tr>
<tr>
<td>Hyacinth</td>
<td><em>Hyacinthus</em> spp.</td>
</tr>
</tbody>
</table>

**ANNUALS**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geraniums</td>
<td><em>Pelargonium</em> spp.<em>Petunias</em></td>
</tr>
<tr>
<td>Petunias</td>
<td><em>Petunia</em> spp.</td>
</tr>
<tr>
<td>Lobelia</td>
<td><em>Lobelia</em> spp.</td>
</tr>
<tr>
<td>Nicotiana</td>
<td><em>Nicotiana</em> spp.</td>
</tr>
<tr>
<td>Impatiens</td>
<td><em>Impatiens</em> spp.</td>
</tr>
<tr>
<td>Zinnias</td>
<td><em>Zinnia</em> spp.</td>
</tr>
</tbody>
</table>

**PERENNIALS**

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<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peonies</td>
<td><em>Paeonia</em> spp.</td>
</tr>
<tr>
<td>Bearded Iris</td>
<td><em>Iris</em> spp.</td>
</tr>
</tbody>
</table>

**HERBS**

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Scientific Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lavender</td>
<td><em>Lavendula</em> spp.</td>
</tr>
<tr>
<td>Sage</td>
<td><em>Salvia</em> spp.</td>
</tr>
<tr>
<td>Rosemary</td>
<td><em>Rosmarinus</em> spp.</td>
</tr>
</tbody>
</table>

If you have questions about other species not listed here, please contact park botanist Jennifer Whipple at 344-2226.

Next month’s newsletter will feature “Guidelines for Fencing and Edging”
YOU ARE CORDIALLY INVITED

to attend

a

VIOLIN RECITAL

presented by

TARA CROSS

Wednesday, June 11, 2003
7 P. M.

Gardiner Community Church

Program includes music by Bach, Seitz, Vivaldi, Kreisler, Veracini, Massenet, & Tchaikovsky

Tara Cross has studied violin since age 5, first in Washington, where she still joins the Walla Walla Symphony in concert, and then at Southern Adventist University, where she toured Ireland with that symphony orchestra. She performs weekends at the Old Faithful Inn.
COMMUNITY POTLUCK

"Welcoming Yellowstone's Affiliated Tribes"

THURSDAY
JUNE 5
Eagle's Hall
6-9 p.m.

*Sponsored by Bear Creek Council & National Park Service*
THE GARDINER COMMUNITY CENTER
PRESENTS

UNCLE ZIPPO

WRITTEN and DIRECTED BY DEBRA TELsing

Uncle Zippo is a three-act comedy
performed by members of the Gardiner community

May 29th, 30th, and 31st. All shows start at 7:00 p.m.

Ticket Prices: Adults $7.00
Children 6 to 12 $5.00 / 5 and under Free
Price includes a special dessert treat!
All proceeds go to the Community Center (formerly the Eagles Hall)
The Yellowstone Co-Op Employee Recreation Program

"For the Benefit and Enjoyment of the Employee"

Mid May through Mid June Activities

League Sports

League games are scheduled to begin June 16 - start forming your team rosters! All team captains must attend the Mandatory League Sports Meetings which are scheduled on the following dates:

Mammoth / Roosley League Meetings: Mammoth Rec. Hall - June 3rd, 8 pm
Roosevelt Rec. Cabin - June 3rd, 6 pm

Old Faithful / Grant League Meetings: OFL Recreation Hall - June 12th, 6 pm
GV Grayling Dorm - June 12th, 8 pm

Lake Area League Meeting: Lake Lodge Rec. Hall - June 13th, 6 pm

Canyon Village League Meeting: Canyon Rec. Hall - June 13th, 8 pm

Co - Ed League softball games will be scheduled on Monday and Wednesday evenings. Co - Ed League Volleyball, as well as Men’s and Women’s Basketball, are scheduled for Tuesday and Thursday evenings.

Location Recreation Offices are already open and running at Mammoth, Old Faithful, and Lake Lodge. The remaining location offices will be open by early June. Come by and meet the Recreation Staff (they’re the ones wearing the red shirts). They are here to serve the Park Service Employees as well as the concessions employees! We rent videos, video equipment, and camping equipment from these offices.

Internet Computers are currently up and running at Mammoth and Old Faithful! We’ve got brand new Dell computers with Windows XP. This summer we are planning to have new internet computers at Lake, Grant, and Canyon as well!

A New Elliptical Machine is scheduled to arrive at the Mammoth Recreation Hall by mid May - come and try it out! These machines offer a great aerobic workout while reducing impact to the leg joints.

New Weight Room Equipment has arrived for the Grant Village recreation room, which is located in the upper Grayling Employee Dorm lobby. Park Service employees are encouraged to come on in and use it!

New Soccer Equipment has arrived for the soccer buffs! Watch for postings for soccer tournaments in your area!

There’s a whole lot more going on every day! There are all kinds of wildlife seminars, slide presentations, van trips, hikes, and big screen movies scheduled through mid June. Check your bulletin boards for Recreation Program flyers and calendars. Are you not receiving these postings in your office? Call the Parkwide Recreation Office at 344-5225 to request them. We want to inform all Park Employees about our diverse programming!
CLASSIFIEDS

FOR SALE: 1999 Dodge Grand Caravan SE, 92K, cruise control, all wheel drive, block heater, twin, built-in, fold down children’s seats, 3.8 V6 (largest engine for the caravan), averages 19 to 21 mpg, front and rear heat, air conditioning, power windows, power steering, power door locks, power mirrors, trip odometer, on board compass and gas usage computer, automatic with overdrive, seven passenger with removable/movable seats, windshield and rear window electric defrosters, AM/FM/cassette radio with rear speakers, dealer installed receiver hitch, wired for trailer pulling, roof rack, rear window windshield wiper, tilt wheel, 72 month battery (9/oz), front and rear power supply plugs, white in color. The van is very straight and has never been wrecked. All maintenance records available. Oil and oil filter changed every 3,000 miles. Transmission fluid changed and checked at 70K. A very nice family vehicle. $13,500/OBO. Call Stu Coleman, (406) 333-4964, 13 Cedar Lane, Livingston, MT 59047.

FOR SALE: 1978 Dodge 3/4 ton 4 x 4 power wagon with long wheel base, 360 cubic inch engine with 4-barrel, 4-speed manual transmission, canopy, AM/FM radio, CB radio, driving lights, club cab (extended cab), brush guard, clearance lights, power brakes, power steering, receiver hitch and trailer wired, headers and dual exhausts, white spoke wheels. Oil and oil filter changed every 3,000 miles, still a very good running truck, a number of extra parts also. $2100/OBO. Call Stu Coleman, (406) 333-4964, 13 Cedar Lane, Livingston, MT 59047.

FOR SALE: 1998 Dodge Grand Caravan, 6 cylinder, 3.0 engine. 112,500 mostly road miles. Air conditioning front and rear, with rear heat also, cruise control, two built-in car seats in second seat (bench type seat), seats seven adults, tinted side and back windows, middle and back seats roll out, sliding doors on both sides. Forest green color. $7,500. Call 344-7444.

FOR SALE: 1988 Ford Escort Wagon with 86,200 original miles. Paint is peeling. Includes 4 studded snow tires and new battery. $1,250. Call John at 344-7954 after 5:00 p.m.

BORROWED: Please return the gas grill, that you “borrowed” Mother’s Day weekend, to its home, at the campfire/picnic area in the YCC Camp behind Trailer 29. Thanks. Maria Demasi
<table>
<thead>
<tr>
<th>Time</th>
<th>Team</th>
<th>Event</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:23:25</td>
<td>Fritz, Flitz, Flitz</td>
<td>Men</td>
<td>Don Fritz</td>
</tr>
<tr>
<td>3:12:30</td>
<td>Buser, Buser, Buser</td>
<td>Men</td>
<td>Lustine Buser</td>
</tr>
<tr>
<td>3:12:44</td>
<td>Anthony, Anthony, Anthony</td>
<td>Women</td>
<td>What was I thinking?</td>
</tr>
<tr>
<td>3:03:45</td>
<td>Troy, Troy, Troy</td>
<td>Men</td>
<td>Rich Troy</td>
</tr>
<tr>
<td>3:02:32</td>
<td>Berg, Berg, Berg</td>
<td>Men</td>
<td>Debbie Berg</td>
</tr>
<tr>
<td>2:58:29</td>
<td>Conroy, Conroy, Conroy</td>
<td>Men</td>
<td>Dunn (you'd think I would learn) Conroy</td>
</tr>
<tr>
<td>2:53:44</td>
<td>Doss, Doss, Doss</td>
<td>Men</td>
<td>Two Ladders &amp; a Tramp</td>
</tr>
<tr>
<td>2:52:33</td>
<td>Osborn, Osborn, Osborn</td>
<td>Men</td>
<td>Kayhan Osborn</td>
</tr>
<tr>
<td>2:50:38</td>
<td>Townsend, Townsend, Townsend</td>
<td>Men</td>
<td>Timmy</td>
</tr>
<tr>
<td>2:51:24</td>
<td>Berg, Berg, Berg</td>
<td>Men</td>
<td>Corps of Recovery</td>
</tr>
<tr>
<td>2:40:10</td>
<td>Warden, Warden, Odomesser, Odomesser</td>
<td>Men</td>
<td>Against The Wind</td>
</tr>
<tr>
<td>2:40:20</td>
<td>Herren/McAryn, Herren/McAryn</td>
<td>Men</td>
<td>Best of the Better</td>
</tr>
<tr>
<td>2:40:20</td>
<td>Herren/McAryn, Herren/McAryn</td>
<td>Men</td>
<td>Herren/McAryn</td>
</tr>
<tr>
<td>2:40:20</td>
<td>Herren/McAryn, Herren/McAryn</td>
<td>Men</td>
<td>Team 16</td>
</tr>
<tr>
<td>2:40:20</td>
<td>Herren/McAryn, Herren/McAryn</td>
<td>Men</td>
<td>Wilkie/Crimson/Crimson</td>
</tr>
<tr>
<td>2:38:42</td>
<td>Bears, Bears, Bears</td>
<td>Men</td>
<td>Hol Ham &amp; Cheese</td>
</tr>
<tr>
<td>2:41:43</td>
<td>Hendrix, Hendrix, Conman</td>
<td>Men</td>
<td>The Hoose</td>
</tr>
<tr>
<td>2:41:35</td>
<td>Peno, Peno, Peno,</td>
<td>Men</td>
<td>Schick Schick</td>
</tr>
<tr>
<td>2:34:45</td>
<td>Page, Page, Seltgen</td>
<td>Men</td>
<td>Spin of the Moment</td>
</tr>
<tr>
<td>2:30:00</td>
<td>Tegger, Tegger, Tegger</td>
<td>Men</td>
<td>Latch Tegger</td>
</tr>
<tr>
<td>2:34:60</td>
<td>Mccadon, Mccadon, Mccadon</td>
<td>Men</td>
<td>Rick Mccadon</td>
</tr>
<tr>
<td>2:34:60</td>
<td>Mccadon, Mccadon, Mccadon</td>
<td>Men</td>
<td>Team 16</td>
</tr>
<tr>
<td>2:30:30</td>
<td>Wilkie/Crimson/Crimson</td>
<td>Men</td>
<td>Wilkie/Crimson/Crimson</td>
</tr>
<tr>
<td>2:30:30</td>
<td>Wilkie/Crimson/Crimson</td>
<td>Men</td>
<td>Team 16</td>
</tr>
<tr>
<td>2:30:30</td>
<td>Wilkie/Crimson/Crimson</td>
<td>Men</td>
<td>Wilkie/Crimson/Crimson</td>
</tr>
<tr>
<td>2:29:12</td>
<td>Quinter/Wyman, Quinter/Wyman</td>
<td>Men</td>
<td>Team A discop (on my leg)</td>
</tr>
<tr>
<td>2:29:12</td>
<td>Blatter/Ty Cerrdon</td>
<td>Men</td>
<td>Team A discop (on my leg)</td>
</tr>
<tr>
<td>2:28:75</td>
<td>Herren, Herren, Herren</td>
<td>Men</td>
<td>Mel Herren</td>
</tr>
<tr>
<td>2:29:33</td>
<td>Lind, Lind, Lind</td>
<td>Men</td>
<td>How's the Girls Team</td>
</tr>
<tr>
<td>2:29:33</td>
<td>Mccadon, Mccadon, Mccadon</td>
<td>Men</td>
<td>My Big For Flying Team</td>
</tr>
<tr>
<td>2:29:33</td>
<td>Mccadon, Mccadon, Mccadon</td>
<td>Men</td>
<td>Powered by Bears</td>
</tr>
<tr>
<td>2:19:09</td>
<td>Madsen, Guder, Perings</td>
<td>Men</td>
<td>Team Complete</td>
</tr>
</tbody>
</table>

2003 Parkto Paradise