NASA ASTROBIOLOGY AT Lassen VOLCANIC NATIONAL PARK

Lassen Volcanic National Park, the NASA Astrobiology Institute Ames Research Center Staff and Red Bluff High School have formed a unique, beneficial partnership to engage high school students in the collection of scientific data for NASA astrobiology, the National Park Service and university researchers. Lassen is a valuable resource to NASA because it shares many parallels to young Mars - when the planet was young and volcanic, and the surface was covered with a thin blanket of “subaqueous” water and the chemistry was rich in biodiversity.

The NASA Ames Team studies Lassen because it is considered a “Mars analog.” The team is characterizing the hydrothermal activity caused by the volcano that alters the rocks and water chemistry of the system, which in turn impacts the microbes that help in hot springs, boiling mud pots and steam vents. This amazing opportunity for high school students to participate in the abundance and diversity is a unique experience in northern California, and one to be proud of.

The program began in 2007 when their Education Special Assistant, Brian Zachary, from Lassen Volcanic National Park contacted Red Bluff High School to offer an opportunity to five students to shadow a team of scientists from NASA Ames Research Center. The seniors were studying the geology found within Lassen Volcanic National Park. The first year was so well received that they planned a second year and shifted the focus to hydrothermal features at the Whiskey Valley region of the park in 2008.

Red Bluff High School’s NASA Astrobiology program became so popular that in 2009 it became an after school “Club” that met once a week. The program also added a second cycle of stops this year. The students were guided through sampling techniques and their collected data and samples from the hydrothermal features once monthly over the course of the year.

Focus of the program shifted again in 2011 with a move to the Whiskey Valley region of the park. Samples continued to be taken from the Whiskey Valley and site of the Lassen eruptions. A new“Time”nsight to hydrothermal features - the Whiskey Valley.

The club continued to be successful and was formally added to the school curriculum as an elective class in 2011 due to its increased size, now allowing for twenty students to participate.

The 2012 program includes lectures from Red Bluff High School faculty and was a year of exploration. The students plan to conduct the 2013 program at the Whiskey Valley and the science behind these unique hydrothermal features.

This NASA Astrobiology project has grown and changed significantly over the years from its first group of five students over the summer. It has been a two-year opportunity for twenty students to explore, collect, and analyze information from Lassen Volcanic National Park. The partnership and memories that are created here will last a lifetime.

60’S GLAM COMES TO PEAK EXPERIENCE

Every year the EFPS Autism Committee strives to identify an auction item that will be fun, renewable, and identifiable with the park. This year’s auction item became a simple task with the numerous auctioneers like the EFPS auctioneers of the past enjoyed the park itself. Followed by a nationwide campaign to get every Kid in a Park.

This year’s event was so successful that the committee really wanted a fun theme that was unique, colorful, and exciting. After deliberating for a couple of months we decided to focus on the 60’s, that you can change that fit to match on any people.

“60’s Glam” means the glamorous side of the 60’s, the dress, the music, the style, the iconic side of Hollywood, home, and people. Think “Roger &” and imagine that theme pictures of JFK leading a deer from Lassen Volcanic.

Sponsorships are available for tables, the dance floor, and face paint. If you are interested in supporting Lassen Park Foundation through auction, please visit our website or contact the Foundation at 530-423-6000. Bird sponsorships are available now through June 6th.

Remember to mark your calendars for September 15th at the McConnell Foundation for this park’s first experience Auction!
A DAY IN THE PARK WITH THE “REACH THE PEAK” HIKE-A-THON

A Hike-A-Thon to the summit of Lassen Peak has been added to Lassen Volcanic National Park's annual Day in the Park, on August 11.

This charitable event, organized by the Lassen Park Foundation (LPF) with the assistance of Under The Sun Events, will benefit the philanthropic work of the LPF. The event features a family-friendly, street-fair styled festival and barbecue.

Day in the Park BBQ Celebration
Lassen Peak, Lassen Volcanic National Park
August 11, 2018 from 11am - 2pm
www.lasenparkfoundation.org

"However, this is the first time we've included an accomplishment-oriented event like the Reach The Peak Hike-A-Thon," explained LPF Executive Director Jennifer Finnegan. "We chose to add the hike because hiking to the top of Lassen Peak is the most popular activity in the national park."

Finnegan said the hikers will be able to translate their accomplishment into a personal contribution or fund raise by signing up sponsors of their climb. Cost to participate is $50 adult, $25/child and free under 12.

"Because participants will be hiking five miles to the 10,462 summit of Lassen Peak, then back down along the Lassen Peak Trail, we're not calling it a race. The trail is rated from moderate to strenuous, so we're encouraging participants to hike at a comfortable pace, stopping along the way and taking in the views."

Reach the Peak Hike-A-Thon has been held in conjunction with the national park for the past 20 years.

Proceeds from the Hike-A-Thon and Day in the Park benefit the philanthropic work of the LPF inside Lassen Volcanic National Park, including improving trails and visitor experiences, providing camping in the park for underprivileged youth, and conducting supplementary ecological, research and wildlife protection.

"BUMPASS HELL" PENDLETON BLANKETS FOR SALE

If you would like to order your "Bumpass Hell" Limited Edition Pendleton Blanket please visit our website at www.bumpasshell.com and go to the "SHOP" page. The blankets retail for $299 and can be shipped for $17.95 or picked up for no additional cost at our office located in Anderson, Ca.
## PARK OPERATING HOURS

<table>
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<tr>
<th>April</th>
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<th>August</th>
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<tr>
<td>30th-4th National Park Week</td>
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## ALASKA VOLCANIC NATIONAL PARK

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## LASSEN VOLCANIC NATIONAL PARK 2018

www.nps.gov/lavo/playpoints/special-events.htm

## 2017 DIRECTOR’S PARTNERSHIP AWARD GOES TO LASSEN PARK FOUNDATION

Lassen Park Foundation, based in LaVale, CA, is one of the organizations that have been chosen to receive the National Park Foundation’s (NPF) recognition 2017 Director’s Partnership Award. The NPF noted the foundation’s more than 30 years of service to Lassen Volcanic National Park, including support to the Lassen Crossing Information Pavilion, the Robert M. and Ruth T. Price Visitors’ Center, improvements to the Lassen Peak Trail and undertaking of youth camping programs and facilities at Warner Adventure Camp, as well as funding for park research, internships and habitat restoration projects.

We have a special place for Lassen,” said John Kauber, chairman of Lassen Park Foundation. “Every contributor to and officer of the Lassen Park Foundation share in the recognition that you and I are certain, is truly heartfelt and grateful for the honor.”

“National parks can’t exist without partners, said John Kauber, chairman of Lassen Park Foundation. “National Park Foundation is a partner because of the work you do, because of your team, your energy, your dedication, your commitment, and the way you make our National Parks work. You make our National Parks work.”

“John Kauber and the Lassen Park Foundation have provided critical support for the Warner Adventure Camp and the Lassen Crossing Information Pavilion, and have taken an active role in the Lassen Peak Trail project,” said Jennifer Firestone, executive director of the Lassen Park Foundation. “We’ve been so busy getting out the word and answering questions of graziers applying for one of this summer’s youth camping grants, that we haven’t had time to celebrate the award. Though, it truly made our day.”

More about the Lassen Park Foundation is found at: nps.gov/lavo/selfguided.htm.
### Lassen Park Foundation

**Meet Our Board**

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<tr>
<th>Position</th>
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**Board of Directors**

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**Agency Liaisons**

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<tr>
<td>National Park</td>
<td>Joe Robinson</td>
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<tr>
<td>Lassen National Forest Park</td>
<td>Kevin Stringer</td>
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**Staff**

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- **Development Committee**

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**Role**

- **Executive Director**
- **Administrative Director**

**Committees**

- **Finance Committee**
- **Development Committee**

**Contact Information**

- **Lassen National Forest Park**
- **Kerns, California**

**Website**

- [Lassen Park Foundation](https://www.lassenparkfoundation.org)

**Social Media**

- **Facebook**
- **Twitter**

**Support Our Work**

- **Donate**
- **Volunteer**

**Remarkable Projects**

- **Volcanic Adventure Camp**

**Partners**

- **California State Parks**
- **California State Parks Foundation**
- **National Park Service**

**Annual Events**

- **Lassen Day**
- **Volcano Festival**

**Volunteer Opportunities**

- **Trail Steward**
- **Lassen Day volunteer opportunities**

**Visit Lassen National Forest**

- **Get Involved**
- **Volunteer**

**Volunteer Roles**

- **Trail Stewards**
- **Lassen Day Volunteers**

**Contact Info**

- **Lassen Park Foundation**
- **Kerns, California**

**Visit Lassen National Forest**

- **Kerns, California**

**Contact Info**

- **Lassen Park Foundation**
- **Kerns, California**