

**Calaveras Gem & Mineral Society**  
Serving Amador, Mariposa, Tuolumne Counties and More!  
**GEM & MINERAL FAIRE**  
**Saturday, Mar. 27, 2021**  
**10 AM to 5 PM**

**OUTDOOR EVENT WITH OVER A DOZEN VENDORS**  
**FOOD PROVIDED BY REICH'S OUTPOST**

**Robin Williams, Newsletter Editor**  
**Calaveras Gem and Mineral Society**  
**P.O. Box 517**  
**Angels Camp, CA 95222**

**MARCH 2021 EDITION**

**Calaveras Gem & Mineral Society, Inc.**  
 P.O. Box 517  
 Angels Camp, CA 95222

Clubhouse: 2500 Meacham Ranch Road  
 Website: [www.calaverasgemandmineral.org](http://www.calaverasgemandmineral.org)  
 Est. in 1948 and incorporated in 1950 as a non-profit charitable organization dedicated to share our love of rocks & minerals and all the lapidary arts with our community. Member of both the California and American Federation Mineralogical Societies.

**MARCH BIRTHSTONE**



**BLOODSTONE**

**2021 BOARD of DIRECTORS**



**PRESIDENT**  
 Anna Christiansen  
[achristiansen7132@comcast.net](mailto:achristiansen7132@comcast.net)



**VICE PRESIDENT**  
 Lynn Becker  
[beckerbk@sbcglobal.net](mailto:beckerbk@sbcglobal.net)



**SECRETARY**  
 Debby Brooks  
[dbb49@att.net](mailto:dbb49@att.net)



**TREASURER**



**FEDERATION DIRECTOR**  
 Marion Roberts  
[mvroberts1@comcast.net](mailto:mvroberts1@comcast.net)



**FIELD TRIP CHAIRMAN**  
 Bob Young  
[ryoung1738@aol.com](mailto:ryoung1738@aol.com)



**NEWSLETTER EDITOR**  
 Robin Williams  
[robinski@yahoo.com](mailto:robinski@yahoo.com)



**1st DIRECTOR**  
 Pat Gulyas  
[golddustmurphy@yahoo.com](mailto:golddustmurphy@yahoo.com)



**2nd DIRECTOR**  
 Jim Vicars  
[jvicars62@yahoo.com](mailto:jvicars62@yahoo.com)



**3rd DIRECTOR**  
 Phyllis Kyle  
[boomakyle@yahoo.com](mailto:boomakyle@yahoo.com)



**ADDITIONAL CLUB POSITIONS:**

**SHOPmaster**

**Shop Steward(s)**



**WEBmaster**  
 Andrew Brown  
[brown.andrewg@gmail.com](mailto:brown.andrewg@gmail.com)



**HISTORIAN**  
 Loretta Pagni  
[lorettapagni@aol.com](mailto:lorettapagni@aol.com)



**PROGRAMS**  
 Tom Harrington  
[thomasharrington266@gmail.com](mailto:thomasharrington266@gmail.com)

**A Message from  
Our 2021 PRESIDENT...**

We are slowly getting a few members back to the meetings and would be very happy to see anyone else that might be able to also make it to the meeting.

Our newly invented Gem Fair is going to be

**March 27<sup>th</sup>  
10 AM to 5 PM**

I hope a lot of people will be able to VOLUNTEER to help as well as to attend.

The plan is to make it like a mini show. Lynn sent out an email looking for people to help. We hope this will be a good fundraiser to help with the club finances until we are able to hold a show in 2022.

Hope to see you at our next meeting.

Anna Christiansen,  
2021 President



Bloodstone aka Heliotrope

MARCH ~ TABLE of CONTENTS	
Pg	~ DESCRIPTION ~
2	List of 2021 Board Members & Info
3	President's Message & Meeting Date
4	FEB 21, 2021 General Meeting Minutes
5	cont. General Minutes
6	cont. General Minutes
7	Cont. General Minutes & MARCH FAIRE!
8	Photo Trip to Utah
9	Cont. Photo Trip to Utah
10	Cont. Photo Trip to Utah
11	Cont. Photo Trip to Utah
12	MARCH CALENDAR 2021 & Birthdays

**MARCH 21<sup>st</sup> Meeting Info**

- 3<sup>rd</sup> Sunday, MARCH. 21<sup>st</sup>, 2021
- Meet & Greet at 11:00 a.m.
- General Membership Meeting 11:15 a.m.
- opt: Board Meeting TBA

Don't Forget Your Mask and  
**PLEASE, DO NOT ATTEND IF:**

- You are sick.
- You have been traveling.
- You have been exposed to Covid.
- You have Covid.



Let's talk about BLOODSTONE.

Now, that's a sentence you don't hear too often! Everyone knows about Aquamarine as March's Birthstone but we rarely hear about BLOODSTONE, March's secondary birthstone.

The "classic" bloodstone is opaque jasper (SiO<sub>2</sub>)...Deep green color is from tiny inclusions of chlorite, amphibole, and pyroxene - red speckles are from inclusions of iron oxide (hematite) that resemble spots of blood, hence its name.

Along with Lapis Lazuli, Turquoise, and Carnelian, Bloodstone was among the first gemstones used by mankind. Babylonian seals from 3000 BC, Roman rings and pendants and even cups, bowls and vases made in the 15th and 16th century by the Miseroni family of lapidary artists often featured Bloodstone and are exhibited in the Louvre, Prado and British museums.

Mohs hardness: 6.5  
Scratch test leaves a blood red streak.  
It makes exquisite cabochons. Try some!

# GENERAL MEETING MINUTES from FEB. 21, 2021

## Calaveras Gem and Mineral Society

PO Box 517  
Angels Camp, Ca 95222

- General Meeting Minutes:  
February 21, 2021
- Meeting called to order at 11:40 a.m. by  
President Anna Christiansen
- Pledge of Allegiance
- Board Members Absent:  
 Newsletter Editor: Robin Williams  
 Federation Director: Marion Roberts
- Present: Members 15 Guests: 0



Just to remind you of what your clubhouse looks like...lol

- Minutes from January 17, 2021 Meeting:  
 Cookie Hirn made a motion to accept the January meeting minutes as presented. Brad Becker seconded the motion. Motion passed. Minutes accepted as presented without changes.
- Club Correspondence: Debby Brooks
  - The California Federation of Gem and Mineral Societies (CFMS) routing form will be completed by the Club Secretary. The newsletter will be sent to: President, Secretary and Club.
  - The newsletter is posted for all to read by the sign-up area located in the back of the Clubhouse.
  - Membership dues are due for 2021 and are being received via mail.

## Treasure's Report: Lynn Becker

- Lynn presented a financial report from the current Bank Statements.
- Lynn will send a letter to the Calaveras Fairgrounds requesting a refund of our deposit, due to cancellation of the annual gem show for the second year.
- Upcoming Deadlines: California Secretary of State and rent for the P.O. Box. Pat Gulyas made a motion to accept the Treasurer's Report, Phyllis Kyle seconded the report. The motion passed to accept the report as presented.

## COMMITTEE REPORTS

### CFMS: Federation Report Phyllis Kyle

- The Federation Show that was scheduled in June has been cancelled. Appears that the spring shows statewide have been cancelled.
- It is unclear if the scheduled Fall shows will be held. Show cancellations are due to the Covid-19 pandemic.
- Camp Paradise and Zyzzyx have been cancelled for 2021.

### Field Trips: Bob Young



- Bob announced a Field trip to Fallon Nevada, February 25-26, 2021. Meeting place: February 25 at Grimes Point Archaeological site at 9am.

This is an overnight trip. Lynn Becker will send an email to Club members with trip details. Future field trips are being planned.  
*Minutes continue on page 5...*

## Cont...GENERAL MEETING MINUTES from FEB. 21, 2021

### Historian/Sunshine:

- Loretta Pagni the club Historian and spreader of Sunshine is currently residing in Avalon Skilled Facility in Sonora. She would appreciate cards and happy thoughts sent her way.

### Newsletter Editor: By Board

- The February Edition of the Gold Frog was wonderful and so greatly appreciated. Robin Williams, newsletter editor has a profound way of creating a masterpiece. Thank you, Robin from all the club members for your diligence and ability to create a newsletter that we are all so proud of and learn stuff too.

### SHOP Report: Bob Young

- The Shop Steward Training Classes recently held have produced THREE successfully trained, newly minted, Shop Stewards.
- The Shop Equipment has issues. Bob and others are repairing the equipment, especially the saws.
- Saw inventory and needs: After discussion about the need for saw blades, Anna volunteered to purchase and donate several saw blades. A very generous contribution!



- The club needs to purchase saw oil. The price of the oil has increased from \$700.00/55 gallon barrel to \$1030/55 gallon barrel.

...Thankfully, Bob has devised a way to filter out the sludge that gathers in the oil in order to reuse our old oil.

- A motion was made by Lynn Becker to purchase one barrel of oil and purchase 15 gallons of oil from Bob Young at \$19.00/gallon. Pat Gulyas seconded the motion; passed by the majority.



- A request was made by Bob, asking club members to donate paper bags and one gallon milk cartons. These items are used in the recycling/de-sludging process of the saw oil, to be safely reused...or, we could start our own tar pit... (JUST JOKING, FOLKS)



- After assessing the current saw inventory, it was decided to postpone the purchase of a 10" saw blade at this time.

### GEM SHOW Report: by Board

- The club voted to cancel the 2021 show at the January 2021 meeting.
- The decision was made to distribute the show work load to include all club members. Committees will be established with a Committee Chair to fine-tune the actions needed to be completed for a successful show.
- Planning for the 2022 show will be announced in the future so members can become involved. *Minutes continue on page 6...*

Cont...

**GENERAL MEETING MINUTES from FEB. 21, 2021**

“NOT the TAILGATE” on MARCH 27<sup>th</sup>  
Huh? WELL, if our Annual Gem Show and  
our Tailgate Sale had a baby, that’s what  
this event will be, a

## **‘mini’ Gem & Mineral Faire**

...a spectacular outdoor sale  
scheduled for

### **THIS March 27<sup>th</sup>**

in our Clubhouse parking area.

- Kathy Harrington has offered to lead this ONE DAY EVENT. The event will be outside and all the vendors will be located outside.  
**NO SALES INSIDE THE CLUBHOUSE!**

- We’ll have a scaled-down number of Display Cases inside the clubhouse to offer the public information about the purpose of the Calaveras Gem and Mineral society.

AND...

- There will be a scaled down PRIZE DRAWING EVENT, ROCK SALE TABLE and KID’S FUN TABLE. Volunteers will be needed, of course.

- The Vendor spaces are 12x12 @ \$50.00 per space. Eight-foot tables will be available to rent at \$25.00 each.

**Event Hours: 10 a.m. – 5 p.m.**

**Set-up: day of sale at 6 a.m.**

- Lynn is investigating the possibility of a Food Truck that will provide food to be purchased at the event.

- Pat Gulyas made bolo ties and magnets that will be sold at the show. The bolo ties were originally designed as “case favors” as a thank you to those who created a display case. The magnets were made for prizes for the Treasure Hunt. THANK YOU, PAT!

- Previous vendors will receive an invite to purchase a space.

- Debby Brooks will call the Calaveras Public Health Department to assess Covid-19 restrictions/recommendations.

- Lynn will send out a general email to all club members regarding the Show/Tailgate.

### **NEW BUSINESS**

- Water at the clubhouse has a strong smell of sulphur. Please don’t drink the water. The theory behind the sulphur is that because of our current low water usage, the sulphur becomes concentrated in the well. Bottled water is being used to make coffee and for drinking.

- New membership cards have been delayed at the printer because of Covid-19. There are vintage cards available. If you’d like a card, please contact Lynn Becker.

### **2021 Rockhound of the Year Time is Here**

- The announcement for nominations will be in the upcoming newsletter. Any paid club member is eligible to be Rock Hound of the Year and/or to nominate a candidate for Rock Hound of the Year.



- There will be a special email to all club members regarding Rock Hound of the Year. How to vote will be a simple reply to the rock hound of the year email with your vote. The person/couple who garners the most votes will be selected. The winner will be announced at the May meeting.

*Minutes continue on page 7...*

Cont... GENERAL MEETING MINUTES  
from FEB. 21, 2021

## UP-COMING EVENTS

(Finally, something to do!)

Our MARCH "mini"  
GEM & MINERAL FAIRE

**SALE**

**March 27, 2021**

Then, support our "Sister" Club at the...

**Mariposa Tailgate Sale**  
**June 19, 2021**

And make reservations to attend the...

**Ely Rock Show**  
**June 25-26, 2021**

- Next CGMS Meeting on March 21<sup>st</sup>.
- Meeting adjourned at 12:44 p.m. by President Anna Christiansen.
- Minutes respectfully submitted,

Debby Brooks, Secretary  
Calaveras Gem and Mineral Society

May the **QUARTZ** be with you!



It's time to dust off your CGMS  
Name Tag and get ready to  
have some FUN!

## VOLUNTEERS NEEDED!

Hi Folks!

Hope you are all doing well and staying healthy!

We are calling on all able members to  
volunteer for our upcoming

**March 27<sup>th</sup>**

**Gem and Mineral Faire!**

We need volunteers in the following areas:

Display Cases (12 people needed!)

Prize Drawing Table

Rock Sales Table

Kid's Area Table

Parking & Security

If you are willing to volunteer,  
please contact

Lynn Becker: [beckerbk@sbcglobal.net](mailto:beckerbk@sbcglobal.net)  
or

Kathy Harrington:  
[thomasharrington266@gmail.com](mailto:thomasharrington266@gmail.com)

Thank you.  
See you in a few weeks!



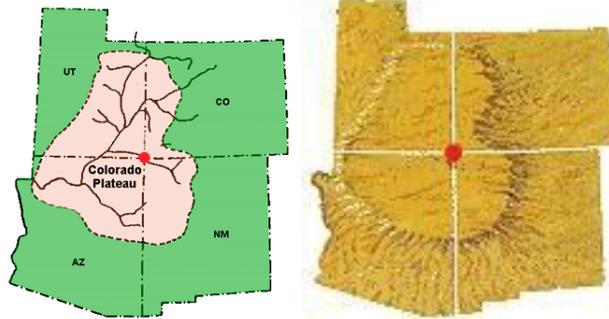
## How Did Four South-West States End Up With So Many Amazing Sights?

### IT WAS EASY!

Just flood the whole area with an inland sea for a few gazillion years. Add lots of creatures to leave layer after layer of their remains on the sea bottom. Let it ebb and flow, dry and flood. Add some volcanic action and plate tectonics uplifting. Some wind and rain and ice. More flooding, more drying and VOILE!...you get the:

### COLORADO PLATEAU

(Although most of it is in Utah and Arizona, go figure.)



The Red Dot is 4-Corners.

Utah, Colorado above; Arizona and New Mexico below.

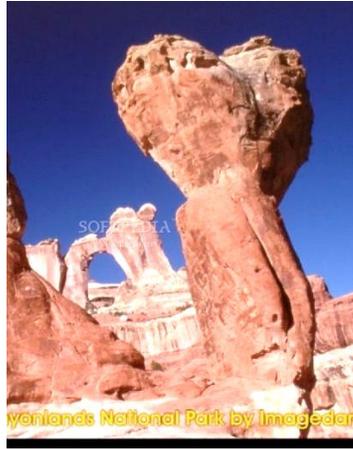
Western Interior Seaway  
during the mid-  
Cretaceous, about 95  
million years ago.

Here's how Wiki-pedia describes it...“Uplift from the Laramide paused briefly in the [Eocene](#). Meandering streams flowed slowly over the resulting broad and almost featureless plains. Periodic but extensive [floods](#) inundated large areas perhaps once every 1,000 years; spreading mud, cobbles and fine silt over the plains. [Erosion](#) incised these deposits between flood events and [plant](#) growth was abundant. Oxidation of the [iron](#) in the mud and silt turned the soil into [hematite](#), giving it a pink and red hue. These sediments were later lithified into the up-to-700 feet-thick Pink Member of the locally Eocene-aged Claron Formation (previously called the Wasatch Formation). Channelized conglomerates of this member can be easily seen in Red Canyon - its silt and mudstones compose most of the park's fragile and colorful spires called [hoodoos](#). Geologist [Clarence Dutton](#) called the [iron oxide](#)-rich lower member of the Claron the [Pink Cliffs](#) series due to its colorful appearance.” Clear as mud, eh?!

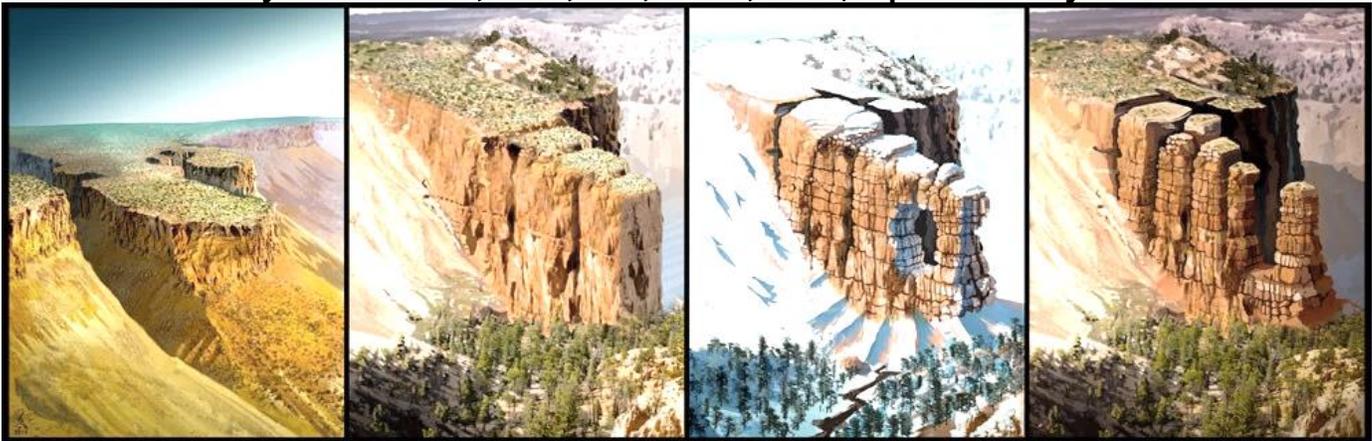


And these are the glorious Bryce Canyon HOO DOOS we all know and love.

**So, what's a Hoo Doo? It's those amazingly weird formations that delight young and old.**



**Below is a 4-step diagram I found of how HOO DOOs form from the soft sandstone layers. A few million years of water, wind, rain, lather, rinse, repeat...slowly wears them down.**



(Photo: Brian B. Roanhorse/National Park Service)

**The top layer of sediment is tougher than the bottom layers and acts like a protective shield to keep the whole thing from dissolving away. Pretty amazing.**

**I also discovered that Hoo Doo's form all around the world, not just in our southwest! (more on that, later.)**



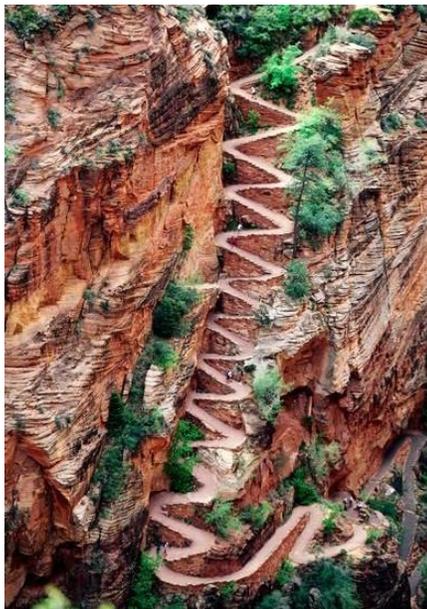
The Feb. issue spot-lighted some of the amazing sites in northern Arizona that don't get as much attention as THE BIG FIVE UTAH PARKS but before we continue our exploration into more "lesser-known sites" I thought we ought to take a peek at some of the spectacular formations in the BIG FIVE - The map below actually dips down into Arizona so use the diagram from the Feb. Issue to orient yourself.

**For reference, the Red Dot is 4-corners.↑**

**2. BRYCE CANYON PARK is famous for its HOO DOOS**

I've spent so much time looking at these pictures and maps and watching U-tube videos about other people's trips I feel like I've already been to all these places. Say, once you see something and then return home, all you really have of the trip is your 'memories'. I think I'll just keep stuffing my brain full of photos and then 'think' I actually went somewhere. Ha! I won't have to leave home at all...that should save a few bucks & lots of wear and tear.

**Here's a few snapshots of cool stuff to see in Utah's Big Five Parks...**



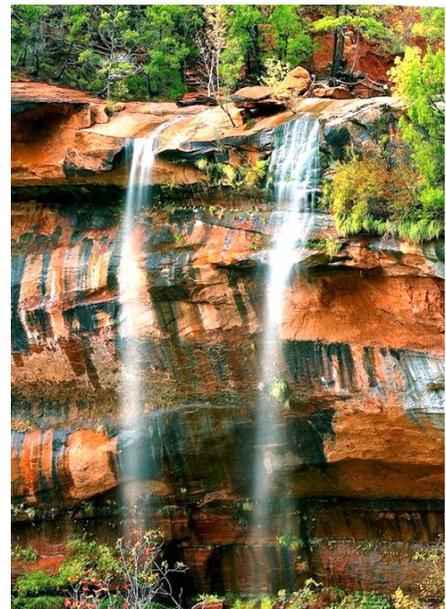
**1. Zion – Trail up to Angels Landing**



**1. Zion**



**1. Zion - The Narrows**



**1. Zion-at Emerald Pools**

The canyons in the parks get as deep as 3,000 feet. At Angels Landing (if you survive the climb!) you look down into Zion canyon – but not if you're "afraid of heights and nothing but air below you" and, no safety gear! Nature in the raw. Ha! I sound like I've been there don't !! The photos are rather heart stopping - imagine it in person! Might be a 'nope'

From 1. ZION to 2. BRYCE then to 3. CAPITOL REEF (I'd never even heard the name before!)



The Castle – 3. CAPITOL REEF Nat. Park



Hickman Arch Natural Bridge - 3. CAP. REEF

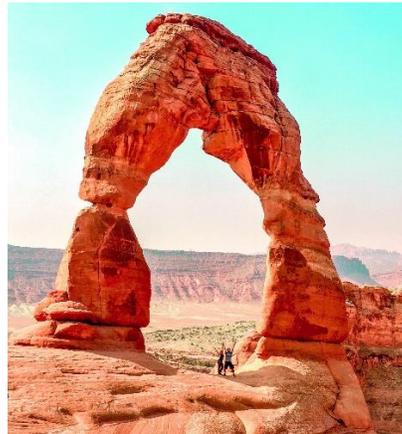


Druid Arch – 4. CANYONLANDS



White Rim Trail – 4. CANYONLANDS

The info noted that some of the parks are viewed from the bottom looking up and then, like 4. Canyonlands (and the Grand Canyon) you view it from the top looking down.



Two views of Delicate Arch – 5. ARCHES Nat Park So, explain to me: HOW did this arch manage to form on the rim of this canyon wall??? Defies comprehension, doesn't it.

We'll continue on our Journey in our April 2021 issue. Gonna try to wrap my brain around the sandstone formations that created all these amazing colors and beauty. See you then.

# MARCH 2021

SUN	MON	TUES	WED	THURS	FRI	SAT
	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b> SHOP DAY TO BE ANNOUNCED
<b>7</b>	<b>8</b> Richard M.	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b> SHOP DAY TO BE ANNOUNCED  Margaret K.
<b>14</b> Day Light Savings Begins	<b>15</b>	<b>16</b>	<b>17</b> St. Patrick's Day  Kathy D.	<b>18</b>	<b>19</b>	<b>20</b> SHOP DAY TO BE ANNOUNCED
<b>21</b> Meeting 11 a.m.	<b>22</b> Ron K.	<b>23</b>	<b>24</b> Adene F.	<b>25</b>	<b>26</b>	<b>27</b> <b>GEM FAIRE</b> 10-5 at Clubhouse
<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>3 weeks ↑↑</b>		

## MARCH BIRTHDAYS

Richard Macias	8
Margaret Kolaczyk	13
Kathy Duncan	17
Ron Kilcrease	22
Adene Fordyce	24

**HAPPY  
BIRTHDAY!**

Don't see your name here?  
Contact Robin at  
[robinski@yahoo.com](mailto:robinski@yahoo.com) to have  
your birthday added to the list.



Calaveras Gem & Mineral Society

Serving Amador, Mariposa, Tuolumne Counties and More!

GEM & MINERAL  
FAIRE

Saturday, Mar. 27, 2021

10 AM to 5 PM

OUTDOOR EVENT WITH OVER A DOZEN VENDORS  
FOOD PROVIDED BY REICH'S OUTPOST