

# Jade State News

Wyoming State Mineral & Gem Society, Inc.

Award Winning WSMGS Website: [wsmgs.org](http://wsmgs.org)

Volume 2018, Issue 4



## WSMGS OFFICERS

President: Jim Gray  
[pres@wsmgs.org](mailto:pres@wsmgs.org)

Vice President: Linda Richendifer  
[vpres@wsmgs.org](mailto:vpres@wsmgs.org)

Secretary: Leane Gray  
[sec@wsmgs.org](mailto:sec@wsmgs.org)

Treasurer: Stan Strike  
[treas@wsmgs.org](mailto:treas@wsmgs.org)

Historian: Rod Baltes  
[hist@wsmgs.org](mailto:hist@wsmgs.org)

Jade State News Editor: Jennifer Flowers  
[jsn@wsmgs.org](mailto:jsn@wsmgs.org)

RMFMS State Director: Stan Strike  
[wkdir@wsmgs.org](mailto:wkdir@wsmgs.org)

WebMaster Tech: Marlene Sibley  
[webmaster@wsmgs.org](mailto:webmaster@wsmgs.org)

*The WSMGS conducts meetings quarterly and as special events require*

## A Mystery - The Wyoming State Rockhound of the Year Plaque

The Wyoming State Mineral And Gem Society's first Wyoming State Rockhound of the Year was awarded in 2008. From 2008 -2013, the Wyoming State Rockhound of the Year was presented with a jade stone cabochon within a silver bolo made by Jane & Lynn Neale of the Shoshone Rock Club.

Beginning in 2014, the Wyoming WSMGS State Rockhound of the Year was presented with an engraved stone plaque. The "stone" to make these plaques was collected by then President Stan Strike from an Industrial business park being developed in Lusk, Wyoming. This pink and gray stone was mixed in with granite and was part of fill loads at the dead end of one of the new streets.

Anhydrite? This mystery stone was initially identified as anhydrite. It was soft with a hardness of about 3.5 on the hardness scale, had a vitreous luster, and in its massive form, appeared to have cubic cleavage . Color variations of anhydrite, its

**continued on page 2**

<b>A Mystery</b>	<b>Pages .....1-4</b>
<b>WSMGS Info &amp; Updates</b>	<b>Pages .....5-8</b>
<b>Jims Letter to Forest Service</b>	<b>Pages .....8-9</b>
<b>Geological Servey Update</b>	<b>Page ....10-11</b>
<b>Walking Fossil Spotted</b>	<b>Pages .....12</b>
<b>"Flashback Blues" John Prine</b>	<b>Pages .....13</b>
<b>RockStar Award</b>	<b>Page ..... 14</b>
<b>Lapadary Hints</b>	<b>Page ..... 15</b>
<b>Club Reports</b>	<b>Pages ....16-24</b>
<b>WSMGS Directory &amp; Officers</b>	<b>Page .....25</b>

## A Mystery - The Wyoming State Rockhound of the Year Plaque continued from page 1



hardness, cleavage, and luster seem to match our ROY stone, However anhydrite is formed as an evaporative sedimentary deposit and our mystery stone seems to have been associated with igneous granite deposits?

“Anhydrite is an evaporite mineral that occurs in extensive layered deposits in sedimentary basins where large volumes of sea water have been evaporated. It is typically interbedded with halite, gypsum, and limestone in accumulations that can be up to hundreds of feet thick. On a much smaller scale, anhydrite can form in shoreline or tidal flat sediments from the evaporation of sea water. Anhydrite also occurs as a vein-filling mineral in hydrothermal deposits. It is deposited from solution, often along with calcite and halite, as gangue in sulfide mineral deposits. Anhydrite is also found in the cap rock of salt domes and in cavities of trap rock.”

“Anhydrite is an anhydrous calcium sulfate with a composition of  $\text{CaSO}_4$ . It is closely related to gypsum, which has a chemical composition of  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ . The worldwide abundance of gypsum greatly exceeds the abundance of anhydrite. One of the most distinctive properties of anhydrite is its cubic cleavage. It cleaves in three directions at right angles. This can easily be seen in coarsely



crystalline specimens or with a hand lens in fine-grained specimens. This distinctive cleavage has earned anhydrite the nickname of “cube spar.” Anhydrite can be a small challenge to identify when it occurs in massive form. It can be confused with gypsum, calcite, or halite - which it is almost always associated with. Compared to gypsum, anhydrite exhibits cleavage in three directions at right angles and has a greater hardness. Its right angle cleavage and lack of acid reaction allows it to be distinguished from calcite. Compared to halite, anhydrite is insoluble and slightly harder.”

[Reference: <https://geology.com/minerals/anhydrite.shtml>]

**ANHDRITE- photo by R.Weller/Cochise College**

Rhodenite? At the 2018 WSMGS State Mineral and Gem Show, the composition of the Wyoming state ROY plaque was identified as rhodenite. Rhodenite’s physical properties matches our WSMGS ROY plaque as

## A Mystery - The Wyoming State Rockhound of the Year Plaque continued from page 2



to color variations (pink & gray), cleavage(almost cubic) and vitreous luster but its hardness is 5.5 to 6.5 and its surface is streaked with black lines from manganese oxides.

“A closely related mineral is Rhodochrosite, which has similar properties as rhodonite. Fun Fact: Can’t tell Rhodochrosite and Rhodonite

**RHODONITE-photo from <http://www.gemstonebuzz.com/rhodonite> apart?**

Look for the black lines or “roads” in Rhodonite as opposed to the creamy loops and swirls in Rhodochrosite.

[Reference: [https://www.madagascarminerals.com/metaphysic\\_of\\_rhodonite\\_physi.cfm](https://www.madagascarminerals.com/metaphysic_of_rhodonite_physi.cfm)]



Rhodonite is in many ways similar to Rose

Quartz being a silicate/quartz composite. It is manganese that brings out the rosy color Rhodonite is known for. Although, unlike Rose Quartz, Rhodonite forms slowly and more patiently, allowing the manganese to meld and morph with a number of other minerals such as calcium and aluminum during the sedimentary process. When the manganese is exposed it will oxidize and as the minerals weather together this is the process that creates the lovely colored veins.”

[Reference: <https://www.shimmerlings.com/gemstones/rhodonite/>]

Thulite? By doing internet research, another possible identification of the material making up the Wyoming State ROY plaques may be the mineral thulite. Thulite’s color is usually pink but can vary from pink depending on the concentration of manganese which may cause Thulite to contain black, grey, and white material. In addition to the color matching our ROY plaques it has a vitreous luster and is often mottled color with white calcite and occurs as veins and fracture fillings within many rock types such as granite. However, its hardness is usually 6.5 and has cleavage only in one direction which does not agree with our ROY material with a hardness of 3.5 and has cubic cleavage?



**THULITE-photo <http://wonderworlds.org/images/mineral/thulite.jpg>**

## A Mystery - The Wyoming State Rockhound of the Year Plaque continued from page 3

“Thulite (sometimes called rosaline) is an opaque, massive pink manganese-bearing variety of the mineral zoisite with a chemical formula of  $(Ca_2Al_3O(OH)(SiO_4)(Si_2O_7))$ . Its Mohs hardness is 6-7, has vitreous luster, and perfect cleavage in one direction.” [Reference: [https://www.spiritofisis.org/knowledge/crystal\\_files/thulite.htm](https://www.spiritofisis.org/knowledge/crystal_files/thulite.htm)]

“Manganese can substitute for calcium in the mineral giving it a black, grey, and white color. Thulite is often mottled with white calcite and occurs as veins and fracture fillings transecting many types of rock. Thulite may sometimes refer to any pink zoisite. However, thulite from granite pegmatites and some metamorphic rocks is frequently the clinothulite variety of clinozoisite and not true zoisite.

Clinothulite is the manganese bearing variety of clinozoisite. Clinothulite is pink, manganese-rich variety of the mineral Clinozoisite. Zoisite and Clinozoisite are very similar minerals, differing only in crystal structure. This makes Thulite

and Clinothulite almost identical, and sometimes it is impossible to make a distinction without complex tests.

Thulite is most similar to Rhodonite, though it usually lacks the black streaks often present in Rhodonite. Thulite also lacks the banding of Rhodochrosite and is harder.”

[References: <http://www.gemstonebuzz.com/thulite>, <https://www.mindat.org/min-3955.html> ]

At this time, what mineral makes up our Wyoming State Rockhound of the Year plaques remains a mystery. Anhydrite seems to match more of our ROY plaque’s physical and chemical properties than Rhodonite and thulite/clinothulite but seems to have been part of an igneous rock deposit rather than from its formation in a sedimentary environment. More investigation in Lusk, WY may answer our question-perhaps finding the company that hauled in the fill rock.....? The mystery continues but we will continue to work towards a solution.



## WSMGS BOARD INFORMATION & UPDATES

### WSMGS ELECTRONIC BOARD MEETING- OCTOBER 2018

**I. Electronic Meeting Instructions to Board Members:**

As a WSMGS Board Member, I would ask you to read this Electronic Meeting email and VOTE on all Action Items by selecting “Reply All” after Typing your name and indicating a “Agree or Disagree” vote for each numbered Action Item. The Deadline for your responses by “Reply All” email will be Monday, November 5, 2018. If you have questions about any item call or text me at 307-260-6442 or [pres@wsmgs.org](mailto:pres@wsmgs.org) Board members are encouraged to submit old or new business items that have not been included in this meeting and a special attachment will be sent out for the entire WSMGS Board’s consideration.

**II. Secretary’s Report By Leane Gray:**

A. Electronic WSMGS Board Meeting Minutes are as printed in the November 2018 Jade State News, which are available online: [wsmgs.org](http://wsmgs.org) under the heading Newsletters.

**III. Treasurer’s Report by Stan Strike:**

Beginning Balance – June 1, 2018 = \$2,335.64

**Expenses:**

6-14-18	1139	Jennifer Flowers-Travel Expenses	(\$150.00)
6-14-18	1140	Rod Baltes-Travel Expenses	[\$150.00]
6-14-18	1141	Stan Strike-Travel Expenses [Check VOIDED]	**[\$150.00]
6-14-18	1142	FossilCountryFrontierMuseum-MuseumAward	[\$100.00]
7-19-18	Debit	TheNestHotel-2 nights for RMFMSMeetings	[\$283.40]
7-21-18	1143	Jim Gray-BankRefused #1141 cashed by Jim	[\$150.00]
8-11-18	1144	Stan Strike-Gas RMFMS Convention-Rapid City	[\$64.27]
8-30-18	Debit	iPage-3yrRenewal wsmgs.orgDomainName	[\$50.97]
9-24-18	1145	Jennifer Flowers-August JadeStateNews	[\$75.00]
9-24-18	Debit	WYSec.ofState-AnnualReportRenewal	[\$27.00]
10-29-18	1146	ParkCo.Treasurer-TrailerRegistrationRenewal	[\$51.27]
<b>Total Expenses =</b>			<b>(\$1,101.91)</b>

**Income:**

8-15-18	Sublette Co Rock Hounds. 2018 20% State Show Proceeds	\$932.78
<b>Total Income =</b>		<b>\$932.78</b>

Ending Balance –October 31, 2018 = \$2166.51

Treasurer emailed all WSMGS club contacts with updates and reminders including the 2019 Membership Dues Report and the Annual Election of Officers Report.

**IV. Email Sent to Club Contacts 8/28/2018: WSMGS CLUB REPORT REMINDERS**

A. December 15th to January 15th- WSMGS Club Annual Report and or Club Minutes to current Historian: Rod Baltes at-41 Y Road-Riverton, WY 82501 or [hist@wsmgs.org](mailto:hist@wsmgs.org)

B. January 1st to May 15th- Form 990N must be electronically submitted to the IRS (The Registered agent for each club should receive this form from the IRS in advance of the deadline). Clubs

## WSMGS BOARD INFORMATION & UPDATES continued from page 5

may contact the IRS directly by email: [la2.alt.www4.irs.gov/pub/rup\\_login\\_1](mailto:la2.alt.www4.irs.gov/pub/rup_login_1) A “Helpful hints To Register with the IRS” email was sent to all club contacts on January 20, 2018.

C. **Deadline for Annual Report to WY Sec. of State Varies by WSMGS Club-Deadline for renewal of “Non Profit Corporation Annual Report” varies by club and is due the 1st day of the month in which the club was first recognized by the Wyoming Secretary of State as a Non Profit Corporation. (The Registered Agent for your club should receive this form in advance of the club’s deadline. WSMGS Clubs’ Incorporation Dates:**

Cheyenne Mineral & Gem Society	December 2, 1969
Cody 59ers Rock Club	February 1, 2012
Natrona County Rock Hounds	April 15, 1954
Rex Young rock Club ??	Not Incorporated??
Riverton Mineral & Gem Society	August 17, 2012
Shoshone Rock Club	February 8, 1962
Sublette County Rock Hounds	March 21, 2018
[WSMGS Board Incorporated	November 23, 1964]

### V. President’s Report by Jim Gray:

A. Leane Gray has been confirmed to replace Carla Tillman as Secretary for the WSMGS as Carla resigned September 1, 2018.

B. The Northeast Wyoming Rock Hounds want to become members of the WSMGS and the RMFMS, Leane and I where in Gillette October 27th to discuss their plans and to be part of them becoming Members.

C. Kemmerer also wants to become members in the WSMGS and the RMFMS.

D. Sublette County Rock Hounds have voted to donate \$500.00 to the WSMGS toward getting a larger cargo trailer, this will get the fund started. Would like to see all clubs making donations to this fund.

VI. Vice President’s Report by Linda Richendifer: All WSMGS affiliated member clubs are reminded that the Annual Election of Officers Report is to be emailed or mailed to the WSMGS Vice President by December 15th in order that the 2019 WSMGS Membership Directory can be compiled and distributed in January and club contacts can be updated as to Alias email. This Annual Report is also important to update your club officers as published in the Jade State News and on the [wsmfs.org](http://wsmfs.org) website.

VII. Jade State Newsletter by Jennifer Flowers: Quarterly Jade State News reports are due from WSMGS affiliated clubs on or before the following dates: February 1st, May 1st, August 1st, and November 1st. Promote your club by emailing “[jsn@wsmgs.org](mailto:jsn@wsmgs.org)” a brief update on your club’s activities meeting minutes, and especially photos .

VIII. Historian’s Report by Rod Baltes: Clubs are asked to email their Annual Reports =A summary of your yearly meetings, activities , and events or copies of your minutes. These club records will be archived for future reference.

IX. WSMGS Website by Marlene Sibley: The WSMGS website has been programmed such that it can be accessed and read by scrolling on your tablets or smart phones. Colored photos are needed to show readers how beautiful Wyoming’s rocks, minerals, and fossils are!

## WSMGS BOARD INFORMATION & UPDATES continued from page 6

### X. Old Business:

A. The Cody 59ers and the Shoshone Rock Clubs have submitted an application to host the 2019 WSMGS State Mineral and Gem Show in Cody on June 21- 23, 2019 at the Cody Auditorium.

### XI. New Business:

**\*\*\* VOTE Action Item #1- Approval of the Northeast Wyoming Rock Hounds, Gillette, WY. to become members of the WSMGS**

**Name** **Agree or Disagree**

**\*\*\* VOTE Action Item #2 – Approval of the Fossil Basin Mineralogical Society, Kemmerer, WY to become members of the WSMGS**

**Name** **Agree or Disagree**

**\*\*\* VOTE Action Item #3 – Approval to award Cody 59ers to host the 2019 WSMGS annual show.**

**Name** **Agree or Disagree**

**\*\*\* VOTE Action Item #4 - Item to vote on by WSMGS Board to support the forwarding this basic info to our clubs as well as from our board.**

**Name** **Agree or Disagree**

**A vote in favor would result in distributing this information and encouraging all clubs and individual members to respond.**

Dear Regional Federation Presidents,

You can help by distributing information on this issue to your clubs, by co-signing our comment letter or writing your own, and by suggesting that your member clubs consider co-signing our comment letter and that their members make individual comments. Time is of the essence, since the comment letter and supporting information needs to be reviewed by club officers and voted at their November board meetings, for responses to meet the deadline for submitting comments.

The BLM is proposing to reopen lands in southern Utah to hobby collecting, but they need to hear support from the public. They have solicited comments from interested individuals and organizations. Unfortunately, many conservation organizations are commenting against hobby rock collecting, and these organizations are asking their members to send comments against it. If rock hounds fail to speak up now in favor of hobby collecting, the BLM may have to abandon that part of their “preferred alternative” due to a preponderance of negative comments.

Please take a moment to review some background information (link below), and to read the draft comment letter (attached).

[http://www.sdmg.org/pdf/public-lands/flyer\\_2018\\_GSENM-KEPA.pdf](http://www.sdmg.org/pdf/public-lands/flyer_2018_GSENM-KEPA.pdf) Articles on the subject have appeared in newsletters of several California rock and gem clubs. For example see the San Diego M&GS website:

[http://www.sdmg.org/articles/201809/Public\\_Comment\\_Period\\_Open\\_on\\_Southern\\_Utah\\_monuments.pdf](http://www.sdmg.org/articles/201809/Public_Comment_Period_Open_on_Southern_Utah_monuments.pdf)

I can send you links to or copies of more articles if you are interested. I will be happy to answer any of your questions.

## WSMGS BOARD INFORMATION & UPDATES continued from page 7

The BLM is proposing to reopen to hobby rock and fossil collecting not only the land removed from the GSENM (the KEPA), but to allow hobby collecting within specific areas inside the (remaining) GSENM. This would be an important precedent, relevant to management of several recently declared monuments in California and existing monuments elsewhere.

Thank You,

Andrew Hoekstra                      562-584-3190                      ajhoekstra@yahoo.com  
Southern California Paleontological Society, VP Delvers Gem & Mineral Society, Editor and Treasurer CFMS, Public Lands Advisory Committee, Paleontological Specialist

**SUMMARY OF VOTING: ACTION ITEM 1 \*APPROVED;    ACTION ITEM 2 \*APPROVED;  
ACTION ITEM 3 \*APPROVED;    ACTION ITEM 4 \*APPROVED.**



**XII. MEETING ADJOURNED**

### Letter from WSMGS Pres Jim Gray to Forest Service

Jim Gray  
P.O. Box 1351  
Big Piney, WY 83113  
(307) 260-6442

October 15, 2018

Forest Service  
Bridger-Teton National Forest  
340 North Cache  
Jackson, WY 83001

This letter is in response to the implementation of changes to access in some areas of the Bridger-Teton National Forest, in particular, Spread Creek/Toppings Lake drainages, Shadow Mountain, lower Gros Ventre drainage, the Curtis Canyon/lower Flat Creek drainage, Curtis Canyon campground, Cache Creek, and the Gros Ventre Wedding Tree.

Although the concept of dispersed camping sounds like a mutually beneficial idea – good for the environment and good for the users – it does not appear to adequately address the situation. Please allow me the opportunity to elaborate. As a lifelong resident (67 years) of Wyoming and a user of our public lands and National Parks, I believe in finding a balance between use and protection. The number of



## Letter from WSMGS Pres Jim Gray to Forest Service continued from page 8

visitors to our public lands and National Parks has increased in recent years. For example, the visitors to Grand Teton National Park are shown below in part (copied from NPS Stats, National Park Service Visitor Use Statistics):

1980	2,555,627
2010	2,669,374
2011	2,587,437
2012	2,705,256
2013	2,688,794
2014	2,791,392
2015	3,149,921
2016	3,270,076
2017	3,317,000



With an increase in use there are certainly issues, as described by District Rangers, Mary Moore and Todd Stiles, in the October 3, 2018, USDA News Release including fire, litter and waste, and environmental damage from unauthorized off-road vehicle use. I do not disagree that some impact from use occurs, but I question that restricting access is a desirable response. It appears that with each additional restriction, road closure, campground elimination, and wilderness study area that our public lands become increasingly inaccessible to the majority of people. We are being penalized for the improper actions of the few users who do not respect the privilege of using our public lands. Perhaps there are better solutions?

I believe caution should be used in making public access more difficult or eliminating it altogether in one area because then it seems like making similar decisions in other areas gets easier and easier. Additionally, closures and restrictions that are small in one place accumulate to ever greater reduced access to public lands overall. Also by increasing restrictions in one area the use and possible negative impact to neighboring areas is likely to increase. It is important we consider all of the possible uses of our public lands including camping, hiking, bird watching, photography, rock collecting, hunting, and fishing by adults, youth, seniors, and disabled visitors. The purpose and goal of the U.S. Forest Service was originally stated by Gifford Pinchot, first Chief of the Forest Service: “to provide the greatest amount of good for the greatest amount of people in the long run.” (<https://www.fs.fed.us/about-agency>)

I believe, we, as rock hounds of America need to help keep public land in the hands of the public for future generations to enjoy, at the same time preserve the geological futures and the beauty of our land for all.

Thank you for your time and consideration of my viewpoint.

Sincerely,

Jim Gray

President, Wyoming State Mineral and Gem Society

President, Sublette County Rock Hounds



## UPDATES from the WYOMING GEOLOGICAL SURVEY

### Lynds gives talk in Jackson about geologic history of Greater Green River Basin

Ranie Lynds, geologist and manager of the Survey's Energy and Minerals Division, gave a talk to the Geologists of Jackson Hole group Oct. 2. Roughly 70 people attended to hear Lynds' talk, "Unraveling the Geologic History of the Greater Green River Basin in Wyoming." A recording of her presentation can be found on YouTube at: [https://www.youtube.com/watch?v=ha\\_gfHhZLLA](https://www.youtube.com/watch?v=ha_gfHhZLLA).

### WSGS attending Oct. 27 Geology Expo in Rock Springs

If you are going to be in Rock Springs on Saturday, Oct. 27, stop by the Geology Expo at Western Wyoming Community College. WSGS geologist Jesse Pisel will be there with Wyoming maps, rocks, and minerals. He will have rock samples to give away and show how all of our publications can be downloaded from our website for free.

The event is in the college's Atrium at 10 a.m. to 4 p.m. Admission is free.

Sponsors of the event are the Western Wyoming Community College Geology Program, the Wyoming Bureau of Land Management, and the WSGS.

More information about the event can be found in this news article: <https://www.sweetwaternow.com/join-westerns-geology-program-at-the-geology-expo/>.

### New publications available as free downloads on website

The following are publications and products released by the WSGS in 2018. Looking for something specific? Check out our new publication search on our website.

- Online Mines and Minerals Map
- Geology of Curt Gowdy State Park
- Groundwater Salinity in the Powder River Basin, Wyoming
- Preliminary Geologic Map of the Gas Hills Quadrangle, Fremont and Natrona Counties, Wyoming
- Preliminary Geologic Map of the Albany County Quadrangle, Albany County, Wyoming

### Tapiromorph fossil on display at Wyoming State Museum

Earlier this year, the WSGS had a rare mammal fossil prepared for future scientific evaluation. The fossilized tapiromorph specimen was discovered near Kemmerer, Wyoming, and is the largest known mammal fossil ever found in the 50-million-year-old Green River Formation. It's also the first of its kind found in the geologic formation, potentially is the only one of its kind, and may support a North American origin of tapiroids.

More than 400 people turned out for a week long open house at the WSGS to see the tapiromorph fossil, and another 50 attended an event at the Wyoming State Museum in Cheyenne.

The fossil will remain on display at the state museum this winter. To learn more about the specimen, visit the WSGS website

### New WSGS Pamphlet Highlights Seminoe State Park's Geology

The Wyoming State Geological Survey (WSGS) has released a new publication about the geology in Seminoe State Park in south-central Wyoming. The pamphlet highlights the park's rock formations, sand

## UPDATES from the WYOMING GEOLOGICAL SURVEY

continued from page 10

dunes, and hydrogeology.

“Seminoe State Park has some of the most spectacular geology in Wyoming,” says WSGS Director, Dr. Erin Campbell. “It’s rare to have such a complete geologic section, from Precambrian to Cretaceous rocks, so beautifully exposed and easily accessible.”

Readers of the “Geology of Seminoe State Park” pamphlet will learn that the area’s oldest rocks – granite and other metamorphic rocks – are at the north end of the park and make up the core of the Seminoe Mountains.

They will also learn that Seminoe Reservoir can hold more than one million acre-feet of water (1 acre-foot=326,000 gallons), most of which originates as snowpack in the nearby Medicine Bow, Sierra Madre, and Shirley mountains. The reservoir’s largest inflow is the North Platte River, which is an important tributary to the Missouri-Mississippi River System and a major source of municipal water for several Wyoming cities.

The pamphlet is the second in a series about the geology of Wyoming’s state parks. The first focuses on Curt Gowdy State Park in the southeastern corner of the state.

“The WSGS is pleased to provide these geology pamphlets for the state parks,” says Campbell. “We hope they will help increase visitation to the parks, as well as help visitors understand the geology around them.”

The pamphlets are free and available at the WSGS office on the University of Wyoming campus in Laramie, as a download from the agency’s website, and at their respective park’s visitor centers. Pamphlets now in production will focus on Glendo and Guernsey (eastern Wyoming), Buffalo Bill (northwestern Wyoming), and Keyhole (northeastern Wyoming).



**Semiinoe State Park**





**Walking Fossil Spotted  
at this years  
WSGMS Gem & Mineral  
Show in July**



## “FLASHBACK BLUES” BY JOHN PRINE

The other day, I introduced myself to a stranger about my age (retired plus) and mentioned in our introductory conversation that I was a rock-hound. He immediately mentioned a song that he thought I may like and I think most of you will too. John Prine released this song on January 1, 1972 and speaks to the lives of most rock-hounds.

### “Flashback Blues”

While window shopping through the past  
I ran across a looking glass  
Reflecting moments remaining in a  
burned out light  
Tragic magic prayers of passion  
Stay the same through changing fashions  
They freeze my mind like water  
on a winter’s night

Spent most of my youth  
Out hobo cruising  
And all I got for proof  
Is rocks in my pockets and dirt in my shoes  
So goodbye nonbeliever  
Don’t you know that I hate to leave here  
So long babe, I got the flashback blues.

Photographs show the laughs  
Recorded in between the bad times  
Happy sailors dancing on a sinking ship  
Cloudy skies and dead fruit flies  
Waving goodbye with tears in my eyes  
Well, sure I made it but ya know it was as hell  
of a trip.

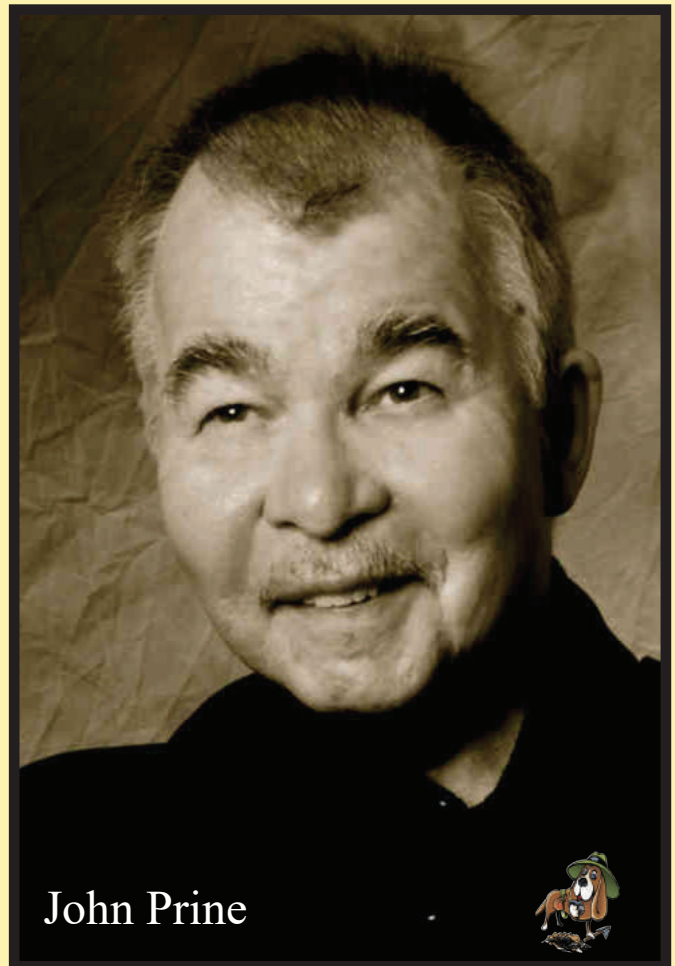
Spent most of my youth  
Out hobo cruising  
And all I got for proof  
Is rocks in my pockets and dirt in my shoes  
And ten times what it grieves you  
That’s how much more I hate to leave you now  
So long babe, I got the flashback blues.

Spent most of my youth  
Out hobo cruising  
And all I got for proof  
Is rocks in my pockets and dirt in my shoes  
So goodbye nonbeliever  
Don’t you know that I hate to leave here  
So long babe, I got the flashback blues.

Play “Flashback Blues” on Amazon Music  
Play John Prine’s Flashback Blues video: <https://www.lyrics.com/lyric/2853525/John+Prine/Flashback+Blues>

Do you want these lyrics on a Tee Shirt or coffee mug? <https://lyricmerch.com/search/?search-lyric=john%20prine>

[Reference: <https://www.azlyrics.com/lyrics/johnprine/flashbackblues.html>]



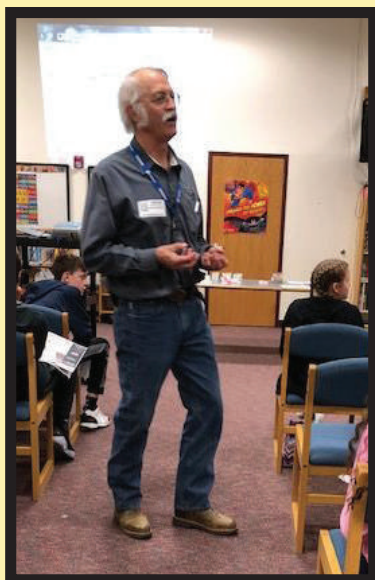
John Prine

## WYOMING ROCKSTAR AWARD-WAYNE SUTHERLAND

*Interview by Aleta Baltis*

Wayne Sutherland has gone above and beyond his job at the Wyoming State Geological Survey to benefit Wyoming rockhounds. For many years, Wayne has shared his earth science knowledge with Wyoming residents around the state by providing educational programs to Wyo rock clubs, school students, and at Wyoming Mineral and Gem Shows. He is a real asset to the Wyoming State Clubs by being available to answer questions and to provide educational materials. Wayne has also judged display cases and provided table displays of Wyoming Geological Survey publications at many WY Mineral & Gem shows.

Sutherland has worked more than 40 years as a geologist for private companies and government agencies in Wyoming, Montana, and Utah. His training and experiences include: gold and other metals, diamonds, gemstones and lapidary materials, coal, oil and gas, uranium, industrial minerals, mining claim evaluation, and federal mineral regulations.



Wayne is an amateur radio operator (NQ7Q) and enjoys hiking and other outdoor activities. He and his wife hiked the length of the Wind River Mountains in 1983. In 2003, they self-published a novel: *Yellowstone Farewell* — a geologically oriented fictional account of a major eruption of Yellowstone. Wayne also enjoys wood burning custom-made walking sticks and other items.

He has recently worked with Professor Dr. Kevin Chamberlain to find modules of pre-Cambrian within the Green River basin so it can be correlated with other Precambrian in other regions of the world. The best sources of the nodules are in volcanic deposits such as within the Lucite Hills.

His ongoing projects are investigating the occurrence of Wyoming jade, which he hopes to publish soon, and an internet program of Wyoming mine locations and their associated minerals.

Wayne wants to thank all the rockhounds in Wyoming for being so great about bringing him information and sharing their finds with him.

He thinks it is great having a two-way street For sharing information.

***The Wyoming State Mineral and Gem Society would like to recognize Wayne Sutherland as a Wyoming Rock Star!!***





## LAPIDARY HINTS



### ROCK SAWS:

1. If your slab saw has a viewing window, add a few drops of liquid detergent to the oil. This will help to keep the window cleaner so you can watch the action of the blade interacting with the material being cut.
2. When cutting a nodule, cut through the largest dome to expose the best surface. When cutting geodes, cut through the center plug to expose the best inner features. When cutting petrified wood cut across the grain for the best viewing result.
3. When cutting jade, it will clog the saw blade. Be certain to clean and sharpen the blade after cutting jade by cutting through silicon carbide. Bricks of silicon carbide can be purchased from Harbor Freight. When cutting hard rock material, it is best to sharpen your saw every few cuts.
4. To remove cutting oil from a recently cut specimen, soak it in a concentrated solution of hot water and dish washing detergent OR rinse it in soapy water and bury in Kitty Litter.
5. Saw oil needs to be filtered frequently, depending on usage, to rid it of small rock particles that when cycled through the saw blade during cutting will accelerate wear on the blade. Start by draining the “dirty” oil from the saw into a clean container, allowing it to set until the solids have settled to the bottom. Then slowly pour the cleaner oil on the top of the container into the filter system first, followed by the remaining solid contents. The filter system that can be used to clean and reclaim the expensive cutting oil is to position a double layer of paper grocery bags or a shop vacuum filter with its top cut off inside a plastic pail which has small drain holes drilled through its bottom. Position this pail over a larger plastic collecting container or directly over the saw unit. Allow several weeks for the oil to work its way through the filter. This method should allow you to recycle about 50% of the cutting oil. The solid material caught by the filter should be put into a sealed bag and trashed.

[\*Mineral oil is sold in Farm Supply stores as Horse Laxative and is cheaper than lapidary mineral oil.]



## Club Reports

### Cody 59ers Rock Club

The September 27th meeting was called to order at 6:30 by President Nella Flurkey. Nineteen members attended with no guests present. Audrey Smith volunteered to record the Minutes for the meeting.

Stan presented a gold separator from the Bargain Box that they offered for sale to the Club. There price was \$35.00 for the separator and 3 gold pans. After discussion, it was decided if we purchased the piece, some members would have a day out to show how to use it. Stan made a motion to purchase the item and Bill Tabacinski seconded it. The motion passed. The equipment will be stored at Connie's house and can be checked out by members to use.

Roger and Joy donated a large piece of petrified wood for the live auction. Wendy won the bidding with a bid of \$14.00 dollars. Thanks to Roger and Joy for the donation. Roger brought in several nice club rocks for the silent auction. They also brought in a club piece of calcium carbonate stalagmite to be raffled for a buck a chance in October.

There was a Show and Tell where several members brought in specimens they had found in the summer. Lots of interaction to help members identify their new rocks. Bill Tab brought in a large display of tumbled rocks. Nella brought in a wide assortment of rocks showing examples of the different terms we use to describe our rocks, along with written definitions of the terms. Roger also brought in several examples of rock hound terms. The field trip to Kemmerer was discussed. Nine people went and dug at two different quarries and lots of fish were found. Doug Harbet brought in some of his fish and described the air tools he purchased and the process of cleaning the fish fossil. Thanks to everyone for bringing in your great rocks and sharing information. Snacks were provided by Nella, Roger and Joy. The door prize was a jeweler's loupe and won by Nella, who donated it back and then won by Stan.

Thanks for bringing great snacks and prizes. The club is still in need of a Secretary and a Historian. If anyone is interested in either position, please contact a club officer.

Stan reported that the 59ers display case won first place at the State show in Marbleton this year. The trophy will be displayed in the case at the courthouse. Thank you to the members who loaned material and time, and to Roger and Stan for taking the case to the show and representing the club as delegates.

Meeting Minutes from May were read by Roger. Ross made the motion to approve and it was passed.

Treasurer's report given by Roger showed as of 8/31/18, Savings account had \$5031.41 and Checking had \$3839.90. It was discussed that our yearly expenses are about a \$1000.00 and are not covered by dues paid, which is about \$800.00. After much discussion, Stan motioned to raise the dues to \$15.00 per adult and children with adult are free, seconded by Roger, voted and passed. Ian and Elaine volunteered to help write the Application Form.

Nella reported Roger has requested that the lapidary equipment stored in his shop be moved. Nobody has used it and some of it needs to be repaired. Stan made a motion to have the Officers appraise the equipment and offer them to members for sealed bids by the next meeting. The motion passed. Buying a cargo trailer for storing equipment and inventory was discussed. Nella volunteered to keep the trailer on her property if the club goes with that option.

Stan discussed the idea of the 59ers hosting the State Show for 2019, as he had proposed at the picnic. The Powell club has agreed to help, for a percentage of the profits. Stan has the blueprint of the show in 2015 to help with the planning. A big concern is manpower to set up and take down tables. Stan made a motion host the 2019 show. Motion was seconded. A Motion was made to



## Club Reports continued from page 17

### Cody 59ers Rock Club continued

amend the original motion by Bill Tabacinski that stated that a group be formed to determine the feasibility of hosting the show as to manpower and commitment of members and have the group report back at the October meeting. An addition was made by Bill to add "if we can find a date and a venue". The amended amendment was passed. Stan accepted the amendment and main motion passed. A committee of four volunteers will work on finding a date and venue. Stan, Ross, Nella, and Audrey volunteered. Committee is to report at the next meeting.

A group from the Cody 59ers planned for several months and went to Kemmerer for a great weekend field trip to collect fish fossils in the Green River Formation, last August. The group booked rooms in different hotels, but met each evening for dinner. After arriving in Kemmerer on Friday, several members went to Fossil Butte National Monument. On Saturday, they spent the day digging at American Fossil Quarry, and Sunday was spent at Dean Sherman's private quarry. All the members got thoroughly dusty, sore, and tired, but returned home with lots of great fish fossils.

Silent auction was closed and the motion to adjourn was passed.

October 26, 6:30 PM Meeting of the Cody 59ers Rock Club

24 members in attendance including 2 new members, Ted & Janet Lohrer.

Nella called the meeting to order and welcomed Ted & Janet Lohrer as new members.

She noted club dues of \$15 per adult member need to be paid for those who haven't yet. These can be paid to Treasurer Roger Lyons at tonight's meeting. Roger will be sending out reminders to all those who haven't yet paid.

Nella also noted that the \$1 Raffle prize was a large piece of stalagmite/agate.

Roger donated two lapidary machines to be

sold to club members via auction tonight: one is a vibrating tumbler and the second was a cabochon spool polisher. Theresa acted as our auctioneer. The tumbler quickly sold for \$25. The winning bidder was Nella Flurkey.

Roger then explained spool polisher and mentioned that belt was missing but all else was in great condition. Unfortunately, there were no bids on the cabochon polisher, so Roger will take it back.

Nella announced that there was a sign-up sheet out at the entry area desk for club T-shirts. She asked anyone interested to please sign up & pick their style & color choices. She needs to know the level of interest in order to get pricing. Once pricing is presented, club members will be able to place actual orders.

At this point Nella introduced our presentation for the evening. Bill & Elaine Tabacinski proceeded to give a wonderful PowerPoint presentation called 'Say it in Stone'. It was about the Inuit peoples' use of stacked stones to make a statement, give directions, express emotions, & memorialize events & people. These stones are called 'Inuksuk'.

After the presentation Nella reminded members to buy raffle tickets, and to check out the silent auction.

Nella had new members, Janet & Ted, pick the winning ticket for the bagged rocks door prize – Elaine Tabacinski won the bagged rocks prize.

Nella then broke the meeting for refreshments.

At 7:45 the meeting came back to order with Roger reading last month's minutes. A motion to accept was made by Bill Tabacinski, seconded by Theresa.

Roger then read the Treasurer's report. Bill Tabacinski made a motion to accept as presented, seconded by Shea. The club's current funds total \$8802.84.

Nella thanked Wendy Fleig for leading two great field trips to Oregon Basin. Another one was

## Club Reports continued from page 17

### Cody 59ers Rock Club continued

discussed, depending on the weather.

Nella then opened general discussion about hosting the state show. She looked into the venue possibilities in Cody. After much comparison, Cody Auditorium seemed the best value at a cost of \$975 total for the three day of the shows. Tables and chairs are extra.

Theresa suggested that perhaps vendor over-spill could set up in the parking lot. This was discussed briefly but security of the vendors' displays seemed like it would be a problem.

Nella recommended hosting the show June 21st, 22nd, 23rd 2019. This would put us in the least conflict with other area rock shows.

Nella said that during previous shows there was a grant available for advertising, through the Cody Travel Council. This would be available to apply for again this year. She also noted that invitations need to be made & sent right away & deposits need to go to the Cody auditorium shortly in order to hold the dates. Roger & Nella talked more about the previous show that Cody hosted in 2015. Nella noted that the 2015 show made us approximately \$5200 after all expenses. Vendors and the entry receipts combined make that money.

Audrey suggested contacting Budweiser/Tananger Beverages to ask them to make signs for the show. They will do that for free for local events, providing their logo is used. Bill Tabacinski pointed out the importance of having speakers and field trips associated with the show.

Nella reminded the members that she had sent out an email noting what committee chairs will be needed for the show. Although some people have gotten back to her about this, Nella would like to see many more responses. It was also noted that approximately 8-9 people are needed per day on the floor to run the show.

Bill T. asked if we should make a decision tonight about whether to host the show. Nella said yes. Laurie added that it was important to quickly

book the venue as local auctions are often held in the Cody Auditorium in May and June.

Bill Tabacinski then made a motion to hold the 2019 Wyoming Rock and Gem Society show here in Cody. John Severeide seconded the motion. This opened up the motion for discussion by the floor.

Bill and Rodger emphasized that members voting for this show hopefully will then be volunteering to help make this show a success. Doug asked if the silent auction was still going to be part of the show. Iris suggested continuing silent auction but maybe combining it with the club table. Some additional discussion was held about who would be putting up the tables.

Discussion then passed to how the Powell rock club will be compensated for their help. It was noted that in 2015 they received \$10.00 per hour per person that went directly into their rock club coffers. Wyoming Rock & Gem Society also receives 20% of the profit.

Ross amended Bill's motion that we should allocate \$600 to allow securing deposits and sending invitations prior to vendors' money's coming in. Iris seconded the motion. The amendment was brought up for a vote and passed unanimously.

The initial motion regarding hosting the 2019 show was then voted on. Based on 23 ayes, 1 nay, the motion was passed.

Nella brought up some old business: Having a sealed bid auction on some old equipment at Roger's shop. She will proceed with getting that prepared. Previous emails have described the equipment in question & the condition it is in. It can be seen at Roger's shop prior to a member submitting a bid if desired.

Elaine Tabacinski asked that we move on to officers' nominations. Nella said she would accept the nomination of President again if the club desired. Elaine nominated her for President, Iris seconded.

Roger did not want to be Treasurer again but would accept nomination as VP. Ross then nomi-

## Club Reports continued from page 18

### Cody 59ers Rock Club continued

nated him for VP, Teresa seconded. This still leaves the Treasurer's, the Secretary's, & the Historian's position open. Nominations for these positions should be presented at or before the November meeting.

Audrey then raised the question of if the club wanted to buy Bob Hedland's rocks off of Roger. Roger explained where they came from, and that the club's inventory itself is getting low. Roger suggested that a committee be formed to review the possibility of purchasing the rocks for the club's inventory either as a full lot or to offer them individually for sale to club members. The committee was formed of John Severeide, Doug and Iris Harbet. They will plan to visit Roger's shop, review the inventories, and make a suggestion to the club.

Nella brought up the Christmas party. She would like a committee to form to organize the party if the club desires one this year. Audrey and Nella volunteered to help. Laurie noted that

Christmas party dates need to be set as soon as possible wherever our location is to be as party venues are getting full already. Iris made the motion to hold a Christmas party, Ross seconded. The motion was passed unanimously. Nella made an additional motion for the club to pay for dessert. Iris seconded the motion. The motion was passed unanimously.

The club members agreed that the party last year at the golf club was enjoyable and it would be a good venue again for this coming year. The committee will try to have possible dates available for the club's vote by next meeting.

Final piece of business was the drawing for the Raffle prize-Shea picked the winning ticket for Rod Kindel who went home with a great stalagmite/agate piece.

Nella thanked Wendy Fleig for providing the refreshments, including a delicious fresh plum and pear salad.

The meeting was adjourned at 8:40.

### Shoshone Rock Club News

August 2018: Twenty-nine people attended the Shoshone Rock Club meeting to hear a presentation by Gretchen Hurley, a geologist in the Cody office of the U.S. Bureau of Land Management. The meeting took place at the Powell Branch Library on August 14, 2018.

Hurley is involved in paleontological resources in Northwestern Wyoming. She gave a comprehensive and informative program on the fossils of the Big Horn Basin, illustrated by charts, maps, photographs and other materials in a PowerPoint presentation, much to the appreciation of her audience. Highlights are as follows:

- Fossils began forming in the Big Horn Basin 600 million years ago. Famous formations are the Monson and Sundance from the Jurassic period, the Cloverly and Lance from the Cretaceous period, and the Fort Union from the Paleocene period.

- Paleontologists began working in the Basin in the 1880s, excavating specimens from the Jurassic and Cretaceous periods.

- Hurley discussed specific locations around the Big Horn Basin, and which formations were there, along with the ages and types of specimens that are being found in each. She mentioned that the Eocene Willwood formation is world famous for mammal fossils found there; dinosaurs had become extinct by then.

- The program ended with a discussion of Natural Trap Cave, a Pleistocene mammal pitfall in the Bighorn Mountains of Wyoming. Hurley was able to provide fascinating details, as she has been in down in this cave. She said that, while no deer were found in the cave, fossils and bones of mice, weasels, martens, bison, Colombian mammoths, dire wolves and short-faced bears had

## Club Reports continued from page 19

### Shoshone Rock Club News continued

been found, as well as American lion. Her dramatization of a mammoth falling 80 feet down into the cave was most entertaining.

- Hurley recommended a book: Common Fossil Plants of Western North America, by William D. Tidwell, Smithsonian Institution Press, 1998, and a museum: Tate Museum in Casper. She also gave details of the Colombian mammoth found earlier this year under the edge of Buffalo Bill Reservoir.

In other business, Club Treasurer Linda Thomas presented a "State Rockhound of the Year" certificate to Club President Gary Olson, who received the honor for 2018. Olson has been grinding and polishing cabochons for 50 years, and he is always willing to share his expertise. Olson was featured in the August edition of Jade State News.

Hosts Carol Brown and Ilene Olson provided refreshments at the conclusion of the presentation.

#### September 2018

Clarence "Doc" Ellis was the presenter at the September 11 meeting of the Shoshone Rock Club. He spoke about local minerals. He said most specimens of various kinds are very weathered and have deteriorated in the exposed areas.

There are not a lot of minerals in the Big Horns. Minerals can be found in the Henderson Mine out of Cooke City, Montana, if approval is granted. Magnetite and other minerals can be found in the Owl Creek area. Magnetite turns to hematite, banded iron that has a reddish streak.

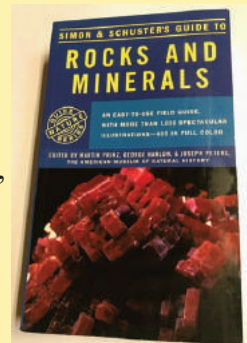
Ellis said calcites are formed in various colors. Copper turns to green malachite; azurite is blue. Chrysocolla is blue to green. Bornite has a purple cast. Iron can be red, yellow or green. Blue is usually due to copper. Limonite is yellow, but the term limonite is not used anymore. It is without form or definite crystalline structure, and it often contains significant amounts of iron oxide minerals such as hematite and goethite.

When a club member asked where soapstone might be found, Ellis suggested checking the Beartooth Mountains. He noted that amphibole asbestos causes cancer, but another type of asbestos called chrysotile is not harmful.

Sixteen people attended the presentation, which was hosted at the Powell Branch Library by Mary Ann Northrup and Linna Beebe, who teamed up to provide refreshments.

Ellis said it is very helpful to have a good book for reference in the field. He recommended Clarence "Doc" Ellis highly recommended Rocks and Minerals by Martin Prinz, published by Simon and Schuster, as a good resource for assistance with mineral identification, With 1000 illustrations and 600 in full color, it helps to identify a mineral you may run across in the field. I ordered the book online and it was very reasonable.

"Simon & Schuster's Guide to ROCKS AND MINERALS", as an easy to use field guide. Edited by Martin Prinz, George Harlow & Joseph Peters, the American Museum of Natural History.



#### October 2018

Two longtime Shoshone Rock Club members were awarded Life Memberships during the October 9 meeting of the club. Lynn and Jane Neale have been members of the club for 48 years, since 1970. The meeting was hosted at the Powell Branch Library by Linda Thomas and Linda Dandy, both of whom provided refreshments.

Club board elections also took place in October. Dorine Strom was elected as President, Mary Vogel agreed to stay on as Vice President and Linda Thomas said she would stay on as Treasurer as well. Cresta Peterson elected as Secretary. The last position to fill was Field Trip Chairman, and a roar of approval rang out when Les Hunt agreed to take that position. Gary Olson, Linda Dandy and

## Club Reports continued from page 20

### Shoshone Rock Club News continued

Stan Strike will serve on the board. Much of the business meeting consisted of discussion about the possibility of the Shoshone Rock Club joining the Cody 59'ers to host the 2019 state gem and mineral show next summer. According to Stan Strike, who is a member of both clubs, the Casper club backed out of hosting the annual show, as they were unwilling to obtain the required liability insurance. The Shoshone Rock Club previously agreed in September to assist the 59'ers if that club decides to host the show. The Shoshone Rock Club also is willing to provide the Thursday night dinner for dealers and others involved with the show.

Strike reported the Cody 59'ers had not approved of being the host for the 2019 state show yet, but members were checking out facilities where it could be held. Strike reported in September that he was investigating costs associated with hosting the show.

Tables for the show are a concern, as many are needed. June Rich offered to check on tables from her church, and Lane Schilling offered to help haul tables from Powell if needed. Dorine Strom said she has a sister-in-law who would consider doing the concession work. Mary Ann Northrup said the Masons would do breakfast.

Strike also noted that the Wyoming State Mineral and Gem Society is short of funds, so dues for membership in the society will increase from \$1.00 to \$1.50. In addition, the state organization is trying to buy a cargo trailer to help clubs

hosting the state show each year to transport wiring, cases, and much more. Strike said he hoped each club could donate to a fund to purchase the needed trailer.

October's program for the Shoshone Rock Club was a silent auction of items donated by members for the event, including remaining fossils and rocks from Margaret Straub's collection. Donations included Keokuk geode half, Herkimer diamonds, cabochons, red horn coral, slabs of agate, jasper and bloodstone, and a large quantity of aragonite crystals known as "Indian money," and belemnites. There will be plenty of the last two items for grab bags for state shows for several years to come that we set aside to have for grab bags for the state shows in the future.



### Sublette County Rock Hounds Club

Meeting of Sublette County Rock Hounds Club  
**August 18, 2018**

Jim Gray called the meeting to order at 1:08 pm at the Encana shelter of the town park in Marbleton. There were 37 in attendance. Everyone should have received by email or mail the minutes from the last meeting in July, 2018.

Jim went over several things we will need to

work on as a club before our local show next year and the Federation show in 2020. Everyone will need to collect rocks for the auctions along with rock for the paint your rock table and for grab bags. Anyone that can polish rock, please do so as we depleted our stock with the State show in June. We will also need to plan on building 15 show cases for shows and Jim has an example kit

## Club Reports continued from page 21

### Sublette County Rock Hounds Club continued

to show us how to put them together. It was suggested that perhaps this would be a good thing to work on collectively for a day or two so watch for a future date for this project.

Club members need to think of some themes we might use for our local show next year and for the Federation show in 2020. So let's put our thinking caps on and contact Jim with your ideas. Field trip leaders needed!! Jim noted that it is not difficult to lead a field trip and that just about anywhere around here we will be able to find collectible rock. So please don't be shy about letting Jim or Roger know when and where you could take folks for a field trip. Insurance through the WSMGS and the RM Federation covers any club member attending and we will only need a signed waiver for any non-member to come along one time.

We now have the largest club in Wyoming with 230 + members including 58 children (also the largest child count). There is much to be proud of with our club growing and members being active along with having put on outstanding shows last year and this year.

Quote from Deb Jess, thanks to our President, Jim and his wife, Leane, our treasurer for helping us to reach this.

We are able to still order tee shirts and caps for our members who would like to have some. The cost is \$15.00 for shirts sizes up through 1X, sizes 2X- 3X for \$17.00 and caps for \$12.00. Please contact Leane if you would like to order or if you still need to pay for ones ordered previously and not paid for yet.

Jim let us know that the percentage sent to the State for the show in June was the largest in recent history, thanking all the members who worked hard before and during the show to make it one of the best the state has had.

It would be great to have members volunteer to do some short educational talks about rocks and how they are formed. Let Jim know of ideas on topics you would be interested in. Jim will

be giving a brief overview after the meeting about windslick Jade along with showing a piece from the Greenstone Belt near Jeffrey City. We will also be planning on showing some videos in months when it's hard to get out in the field. The Federation has a great library of them. We will also look into getting the Senior Center in Marbleton for our Christmas Potluck Dinner/ Meeting in December.

Members please remember to respect claims and private property when out collecting! Watch for and pay attention to markers for any claims. Jim pointed out that Ross Butte is an established claim nearby. You can find markers at 1750' from the center to the corners of a 20 acre square. Gravel pits are usually claimed or on private property so note this when you are out rock hounding. We need to make sure to ask permission on private property and be friendly and courteous to all. You can go to the courthouse and internet to find where claims are. When we are out and dig be sure to fill our holes in afterwards. It pays to be respectful.

Members who are able to, please take pictures of our field trips and gatherings to turn in so that we can put together a scrapbook for our club. The Federation will be having a scrapbook contest that we'd like to enter and it will be great to have for the history of our club.

The SEPTEMBER MEETING will be on the 15th at 1:00pm at the Bench Grill.

The OCTOBER MEETING will be Oct. 20, 2018 at the Bench Grill.

NOVEMBER'S MEETING will be the 17th at the Bench Grill.

DECEMBER'S meeting/Christmas potluck will be Dec. 15th and we will be informing as to where.

Jim adjourned the meeting with the silent auction following and the door prize drawing which Ed Trimmer won. Petrified wood, from Texas donated by Roger McMannis.

Respectfully submitted:

## Club Reports continued from page 22

### Sublette County Rock Hounds Club continued

Jim Gray, President, Mike Schaffer, Vice President, Leane Gay, Treasurer, Debby Jess, Secretary

**October 20, 2018**

Jim Gray called the meeting to order at 1:15 pm at the Bench Grill in Marbleton. There were 30 in attendance. Everyone should have received by email or mail the minutes from the last meeting in September, 2018.

Jim noted that the officers of the club have agreed to hold their positions until after the RM Federation show in 2020. Kristi made a motion to accept and Joan Balue seconded with the motion carrying. Jim would like to have everyone's birthday so we can celebrate them at our monthly meetings.

Please let me know the ages of all the young members that are or will be over 12 my October 31, 2018. Need to get this information so we can get the Annual members ship dues paid to the WSMGS and the Rocky Mountain Federation.

The Wyoming Mineral and Gem Society board meeting in June 14th 2018 the discussion came up about a bigger cargo trailer, the one that the state owns now is too small. It was voted on that we (WSMGS) start getting money to purchase a new trailer. The only way the WSMGS makes money is from The WSMGS Rock Show and from donations. Jim suggested that we start a fund for a new trailer with a donation from our club. Debby Jess made a motion to send a \$500.00 donation to begin this fund, Kristi Glaze seconded and the motion carried. Discussed in that meeting, the trailer needs to be a tandem axle 14' to 16' feet long. Wyoming State Mineral and Gem Society painted on each side along with each rock clubs name that donates at least \$500.00.

Jim also discussed a face book page for the Rock Club, will get with Matt Kozeal to look into it. May be just club members only or open for the public. Will discuss more at next meeting.

Jim again noted to the club that we will need to get together soon to build 12 to 15 Club display cases. He has an example from the Natrona Rock Hounds

to follow so they will be done according to the Rocky Mountain Federation specs with LED lights. We will need to get a materials list together for purchase and then have volunteers to get going on their build. Roger McMannis and Jim Gray volunteered to work together to develop this materials list.

We need fielded trip leaders and ideas of things to do. Also we need activities for children to do at meetings and fielded trips, other activities during meetings. The silent auction table and door prize tables is great fund raiser for the club, Does anyone have more ideas?

Jim asked for suggestions as to a theme for our local show next year and for the Federation show in 2020. Please contact Jim with your ideas. Jim will put together a draft of a flyer for the November meeting for the Club to review so these flyers can be ready to begin distributing in Arizona in January. He will also develop a list of committees and duties that will need to be done for all to go smoothly before, during and after the shows. Folks will be able to volunteer to work on a certain committee to accomplish each task; for example, banners to have date changes and then put up and take down, distributing and hanging flyers, set up areas and tables, and LOTS, LOTS MORE! Our Show in 2020 will be for the Federation, State and ourselves all at the same time! Issues will come up but the more organized we are the sooner those issues will show up and can be dealt with. THANK YOU to everyone who makes our club a great one!!

Jim let everyone know that the Treasurer's report for the month is available if you are interested in it, Leane Gray, Treasurer, reported the revenues, expenses, and final balance.

There are still a few t-shirts and caps available for sale so see Leane Gray if you are interested. New orders for shirts and T-shirts will be collected during March through April 2019, so we will have them before the June Show.

## Club Reports continued from page 23

### Sublette County Rock Hounds Club

NOVEMBER'S MEETING will be the 17th at the Bench Grill.

DECEMBER'S meeting/Christmas potluck will be Dec. 15th at the Marbleton Town Hall. Be sure to remind everyone to sign up to bring something and we will have another gift (rock) exchange and things for the kids, along with a movie.

No Meetings will be held in January and February of 2019. Watch for March Meeting Date by email in the coming year.

Meeting was adjourned with a motion by Joan Balue and a second by Kristi Glaze. Jim introduced our speaker, Don Stewart, who is a coal analyst for Westmoreland Coal Company. He is also the founder of the Kemmerer Rock Club that meets in Triangle Park at 6:00 pm the 3rd Wednesday of each month. He brought a

very informative talk on how it is determined to drill for coal samples, determining coals value and whether it will be profitable to proceed with mining and then how a mine actually extracts the coal. Our state is very rich in clean coal for needs in the US and around the world. We wish to say a big THANK YOU to Don for coming and educating us and volunteering to guide a trip to the great places around Kemmerer where we might go.

The silent auction items were great, as usual, and Mike Schaffer won the door prize donated by Paul & Kristi Glaze, polished by JL Gray Rock Shop.

Respectfully submitted: Jim Gray - President, Mike Schaffer-Vice President, Leane Gay - Treasurer, Debby Jess - Secretary



Season's Greetings



# WSMGS CLUBS

Information subject to change; updates will be posted upon notice. Contact the Editor with changes at: [jsn@wsmsg.org](mailto:jsn@wsmsg.org)

## Cody Fifty-Niners Rock Club

P.O. Box 1251  
Cody WY 82414

[cody59ers@wsmsg.org](mailto:cody59ers@wsmsg.org)  
[www.Cody59ers.com](http://www.Cody59ers.com)

Meets 4th Thursday 7:00 p.m. Park  
County Courthouse, Cody

President: ..... Nella Flurkey  
Vice-President: ..... Teresa Rowan  
Treasurer: ..... Roger Lyons  
Secretary: ..... Linda Jennings  
JSN: ..... Linda Jennings  
Historian: ..... Jackie Platt



## Shoshone Rock Club

P.O. Box 256,  
Powell, WY 82435

[shoshonerockclub@wsmsg.org](mailto:shoshonerockclub@wsmsg.org)

Meets 2nd Tuesday 7:30 p.m.  
Powell Library,  
317 E. 3rd Street, Powell

President: ..... Gary Olson  
Vice-President: ..... Mary Vogel  
Treasurer: ..... Linna Thomas  
Secretary: ..... Linda Dandy  
Secretary Asst, NOB: ..... Linna Beebe  
JSN: ..... Ilene Olson  
Historian: ..... Linna Beebe  
Field Trips ..... Dorine Strom



## Cheyenne Mineral & Gem Society

P.O. Box 21412  
Cheyenne, WY 82001

[cheyennemgs@wsmsg.org](mailto:cheyennemgs@wsmsg.org)

Meets Sept. – May 2nd  
Wednesday 7:00 p.m.

LCCC Health Science Bldg., 1400 E.  
College Dr., Room 309, Cheyenne

President: ..... Donna Arnold  
Treasurer: ..... Jan Shively

## Natrona County Rockhounds

P.O. Box 123,  
Casper, WY 82644

[natronarockhounds@wsmsg.org](mailto:natronarockhounds@wsmsg.org)

Meets 1st Monday 7:00 p.m.  
Clubhouse, 5211 Rambler, Mills

President: ..... Mac Goss  
Vice-President: ..... John Hine  
Treasurer: ..... Kenny Platte  
Secretary: ..... Mac Goss



## Rex Young Rock Club

112 East 3rd  
Lingle, WY 82223

[rexyoungrockclub@wsmsg.org](mailto:rexyoungrockclub@wsmsg.org)

Meets 2nd Wednesday 7:00 p.m.  
Senior Center  
216 E. 19th, Torrington

President: ..... Kim Nielsen  
Vice-President: ..... Sherman Lenhart  
Treasurer: ..... Leroy Meiniger  
Secretary: ..... Joyce Trowbridge  
JSN: ..... Joyce Trowbridge  
Historian: ..... Joyce Trowbridge



## Riverton Mineral & Gem Society

P.O. Box 1904,  
Riverton, WY 82501

[rivertonmgs@wsmsg.org](mailto:rivertonmgs@wsmsg.org)  
[www.RivertonMGS.com](http://www.RivertonMGS.com)

Meets Sept.–May 2nd  
Monday 7:00 p.m.  
303 E. Lincoln, Riverton

President: ..... Rod Baltes  
Vice-President: ..... Rob Currier  
Treasurer: ..... Melvin Gustin  
Secretary: ..... Kim Brown

## Sublette County Rock Hounds Club

P.O. Box 1351 Big Piney, WY 83113

[subletterockhounds@wsmsg.org](mailto:subletterockhounds@wsmsg.org)

Meets 3rd Saturday 1:00pm  
The Bench Grill,  
415 Winkleman, Marbleton, WY

President: ..... Jim Gray  
Vice-President: ..... Mike Schaffer  
Treasurer: ..... Deb Jess  
Secretary: ..... Leane Gray

