

Jade State News

Wyoming State Mineral & Gem Society, Inc.

Award-Winning WSMGS Website: wsmgs.org

Volume 2022, Issue # 2



WSMGS OFFICERS

President: Jim Gray

pres@wsmgs.org

Vice President: Linda Richendifer

vpres@wsmgs.org

Secretary: Leane Gray

sec@wsmgs.org

Treasurer: Mac Goss

treas@wsmgs.org

Historian: Roger McMannis

hist@wsmgs.org

Jade State News Editor:

Ilene Olson

jsn@wsmgs.org

RMFMS WY State Director:

Jim Gray

wydir@wsmgs.org

RMFMS WY PLAC Director:

Rich Gerow

placdir@wsmgs.org

The WSMGS conducts meetings quarterly and as special events require.

The Oddities of Obsidian



Two pieces of rough obsidian: gold sheen (top) and black. JSN photo by Ilene Olson

By Dolores E. Rose

Stoney, via WGMS September 2019, via The Glacial Drifter March 2022, as printed in the [April 2022 AFMS Newsletter](#)

Obsidian is an extrusive igneous rock formed when the magma of an erupting volcano reaches the earth's surface and cools rapidly. It is an extrusive rock, because it was pushed out onto the surface. The cooling of the extrusive rock occurs so rapidly that the magma doesn't form minerals at all, but a volcanic glass.

It derives its name according to Pliny, an ancient Roman naturalist, from a fellow named Obsius, who found it in Ethiopia. Originally, it was named "obsianus", but the spelling was changed over the centuries to its modern form.

Obsidian occurs in many colors, black being the most common. It can

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The Oddities of Obsidian

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Clockwise, from top left: Black, gold sheen, green, mahogany and snowflake obsidian slabs. JSN photo by Ilene Olson

also be red, brown or even green. It can contain inclusions of magnetite, ilmenite, iron oxide, potassium oxide, sodium, oxide, lime and magnesium. It is composed of 66-77% silica, with about 13-18% alumina. Magnetite most likely gives obsidian its black color, and oxidized magnetite or hematite the reds and browns.

With slow cooling, silica crystals Cristobalite form, giving the “snowflake” obsidian or “flowering” obsidian. Iridescence reflected from minute inclusions arranged in layers is known as “rainbow obsidian.” Another kind with gold inclusions with a strong metallic luster is called “gold sheen obsidian,” and if the inclusions are grayish silver in color, it’s called “silver sheen.”

Obsidian is interesting in many ways, but mainly, for all practical purposes, it is a true glass. It has a hardness of 5-5.5 on the Mohs hardness scale. It represents a quickly congealed mass of molten rock, for if it had time to cool slowly, it would have crystallized into a rock similar to granite or rhyolite.

It shows no trace of crystalline structure nor possesses any established composition and must be considered a rock instead of a mineral. It is amorphous, having no regular

internal arrangement of atoms as in crystals. The word amorphous is taken from the Greek and means “no form” because there is no pattern to amorphous materials. The atoms are jumbled together in small groups like particles in a pile of sand. It is extremely brittle and breaks easily with shiny, black conchoidal fractures — a feature so perfectly developed that it is easily identifiable in the field. It is translucent and will not soften when heated to a bright red.

Obsidian is found throughout the western United States, mostly in Alaska, Colorado, Utah, New Mexico, Arizona, Wyoming, Oregon, Nevada and California. It is also found in British Columbia and throughout Mexico. American Indians valued obsidian highly. Its perfect texture and easy fracture made it a prize possession for chipping into arrowheads and large ceremonial spear points. The Aztecs called obsidian “iztli,” “teotal” or “divine stone” because of its usefulness in carving ceremonial blades. Even one of their gods was named “Itzoppzotl,” meaning “obsidian butterfly.”

Obsidian is also used to make attractive jewelry as cabochons or faceted. Thin slabs can be cut with a common glass cutter. Due to its extreme heat sensitivity, great care must be taken in working obsidian. Industries use obsidian as a raw material to make rock wool. Surgeons have even used thinly chipped obsidian knives in surgery because of the fine exact cut an obsidian knife makes.



Clockwise, from top: Green, snowflake, black, mahogany, rainbow and gold-sheen obsidian cabochons, with silver sheen in the center. JSN photo by Ilene Olson

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University of Arizona's new gem & mineral museum now open

By **Steve Kaminsky**, Mineralogical Society of Arizona
Via the [January 2022 RMFMA newsletter](#)

A new gem and mineral museum is now open in Tucson, Arizona. The University of Arizona Alfie Norville Gem & Mineral Museum is located within the historic Pima County Courthouse, an iconic and historic building of magnificent Spanish Revival architecture in the heart of Tucson.

Following the completion of a \$13.5 million renovation and buildout project, the museum is dedicated to providing public education, the curation of minerals, gems, fossils and meteorites while also serving the research needs of professionals, students and collectors. The collection is literally universal in scope, but with specific emphasis on minerals from Arizona and Mexico.

Eric Fritz is the museum's director.

Previously housed in the basement of UofA's Flandrau Science Center and Planetarium, the UArizona mineral collection has a new home in the museum, with 12,000 square feet of exhibit space.

The University of Arizona Alfie Norville Gem & Mineral Museum adds an exciting element to the Tucson Gem, Mineral and Fossil Showcase. In addition to exhibiting world-class minerals, gems and jewelry, the museum also will provide immersive activities, graphics, videos and interactive experiences. The visitor experience will be enhanced by the integrated exhibits highlighting research from the UArizona gem science and mineralogy programs.



Historic Pima County Courthouse, now home to the University of Arizona Alfie Norville Gem and Mineral Museum. Courtesy of the University of Arizona Alfie Norville Gem & Mineral Museum

The museum will have four major exhibit areas; each will change on a regular basis. The four primary areas are: a Mineral Evolution Gallery, and Arizona-Mexico Gallery; a crystal interactive lab and a Gem Gallery. In addition the public museum space, another 9,000 square feet on the lower level of the courthouse will be dedicated to a reference library, a research lab and a community classroom.

Mineral Evolution Hall

The mineral Evolution Gallery will explore and expand on the developing theories around the story of our planet's



A Rendering of the Planetary Evolution Hall. Courtesy of the University of Arizona

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Arizona Gem & Mineral Museum

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mineral evolution. The exhibit will chronologically explore how the solar system formed and minerals have co-evolved on Earth alongside life, over time. This scientific theory is supported by NASA space research.

Similar to other rocky planets in our solar system and meteorites, Earth started with around 60 minerals, and the count continues. The museum will tell the story of how this happened. The expression of this story will touch on many topics, including the interaction life and oxygen and changes that followed the emergence of new minerals.

The Arizona and Mexico Gallery

The Arizona and Mexico Gallery features the unique mineralogy of the region, highlighting Arizona's mining roots. One section of the exhibit is modeled after a re-created stope within the Copper Queen Mine in Bisbee, which will showcase some of the minerals that were mined during the early workings. The stope design was based on the contributions of Dick Graeme II (the expert Bisbee mineral collector, historian and miner) and his



Director Eric Fritz of the University of Arizona Alfie Norville Gem and Mineral Museum. Courtesy of the University of Arizona

family.

We're telling the story of mining and how the copper mine in Bisbee basically set up the United States for the Industrial Revolution," Fritz said. "Without that, we wouldn't have had power and telecommunications."

Copper was mined in Arizona

before it became a state and helped make Arizona the last contiguous state in the U.S., he said.

The Crystal Lab

In the Crystal Lab, visitors will have a chance to alter the crystal structure to cause a change in color in quartz, sapphire or diamond. "For example, if you start with a clear quartz and add a little bit of iron, you'll end up with amethyst," Fritz said. "So, they'll actually learn while doing something pretty cool."

The Gem Gallery and Treasury

The final exhibit, the Gemstone Gallery and Treasury, will showcase minerals that have been manipulated by humans and turned into jewelry, carvings and works of art, demonstrating humankind's innate appreciation for natural beauty. The treasury resides in the center of the gallery and displays a collection of minerals, jewelry and gemstones from all over the world.

The majority of displays showcased in the treasury are on loan from "Somewhere in the Rainbow," a gem



A rendering of the Bisbee Azurite stope inside the University of Arizona Alfie Norville Gem and Mineral Museum, which showcases some of the minerals that were mined during the early workings.

Courtesy of the University of Arizona Alfie Norville Gem & Mineral Museum

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Arizona Gem & Mineral Museum

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Rendering of the Treasury inside of the University of Arizona Alfie Norville Gem and Mineral Museum. Courtesy of the University of Arizona Alfie Norville Gem & Mineral Museum

and jewelry private collection from Phoenix.

The UArizona Department of Geosciences is offering a new track as the result of an endowed chair in gem science, funded by the RealReal. The gem science track is preparing students for careers in the gem trade. The university began teaching gem science classes last fall.

The upgraded mineral museum will contribute to the new gem sciences track, providing opportunities for students to study in the museum's labs and classrooms.

According to Fritz, "The hope is that the classroom in the lower level will

become the gem science classroom for students."

Museum leaders are also hoping to make these areas available to school groups and local organizations to increase interest in gem sciences and mineralogy throughout the community.

The University of Arizona Alfie Norville Gem & Mineral Museum is open from 10 a.m to 4 p.m. Tuesday through Saturday.

References

UA's planned new gem and mineral museum downtown aims to enrich Tucson community; Alfie Norville Gem

& Mineral Museum, Nov. 1, 2019

<http://gemandmineralmuseum.arizona.edu/news/2019/11/uas-planned-new-gem-and-mineral-museum-downtown>

UArizona Alfie Norville Gem & Mineral Museum is One Step Closer to Opening; Alfie Norville Gem & Mineral Museum, Feb. 17, 2021

<http://new.arizona.edu/story/uarizona-alfie-norville-gem-mineral-museum-one-step-closer-opening>

Photos provided by University of Arizona Alfie Norville Gem & Mineral Museum. Media contact: Selena Valencia, Alfie Norville Gem & Mineral Museum, 520-621-7320, selena.valencia@arizona.edu



Is your club doing fun things?
Do you have a story you'd like to share?
Know someone who would make a great Rockhound Spotlight?

Send stories and photos to jsn@wsmsg.org

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An Eighth Continent?

By Matthew Lybanon

Editor, MAGS Rockhound News,

11/12/2021, reprinted from [AFMS April 2022 newsletter](#)

About 3,500 feet under the south Pacific sits a piece of land adjacent to New Zealand, 2 million square miles in size — about half as big as Australia. But scientists can't agree on whether this submerged land mass — a collection of submerged chunks of crust called Zealandia (or the Māori name Te Riu-a-Māui) that broke off an ancient supercontinent called Gondwana about 85 million years ago — is a continent or not. A team of geologists declared it one in 2017, but not all researchers are convinced.

Nick Mortimer, a geologist from New Zealand's GNS Science who led the 2017 group, explains that a continent should have clearly defined boundaries, occupy an area greater than 1 million square kilometers, be elevated above the surrounding ocean crust, and have a continental crust thicker than that oceanic crust.

Zealandia meets all those stipulations. The problem, however, was that until recently, the oldest crust and rock ever sampled from Zealandia was just 500 million years old, whereas all the other continents contain crust that is 1 billion years old or more. But

a recent study found that part of the submerged continent is twice as old as geologists previously thought, which could boost Mortimer's argument.

Tiny mineral grains taken from granite rocks have led to a potential breakthrough in ancient continental reconstructions. The geologists behind the recent research (published in *Geology*) looked at 169 chunks of Zealandia granite, which were found under New Zealand's South and Stewart Islands.

Granite forms when magma crystallizes deep within the Earth's crust. The granites were brought to the surface by uplift of the Zealandia continent in response to earthquake activity along a plate boundary over millions of years.

By extracting microscopic crystals from the granite, the team was able to determine both the age of the crystals themselves and of the crust in which they formed.

The results showed that crust was once part of another supercontinent known as Rodinia, which formed between 1.3 billion and 900 million years ago — far earlier than 500 million years ago.

Dr Rose Turnbull (also of GNS Science, and one of the authors of the *Geology* article) says that a key finding

in this study was the unique isotopic signature measured in microscopic grains of zircon (ZrSiO_4), a mineral that is found in all granites. The isotopic composition of zircon is used in geology to understand deep time and can be used to reveal what the Earth's crust looked like both at and deep below the surface.

“To use a human analogy, all of today's eight continents have older ancestors such as Gondwana, Laurasia, and Pangea.

“The new study has enabled scientists to place Zealandia in the ‘family tree’ of continents descended from Rodinia.”

With this new information, Zealandia may yet turn out to be a ‘missing link’ between South China, Australia, and North America — and this opens up the position of South China and Zealandia within Rodinia to new international scrutiny, Dr Turnbull says.

References: Ringwood, M.F., et al., 2021, Phanerozoic record of mantle-dominated arc magmatic surges in the Zealandia Cordillera: *Geology*, v. 49, p. 1230-1234, <https://doi.org/10.1130/G48916.1>

Mortimer, N., et al., 2017, Zealandia: Earth's Hidden Continent: *GSA TODAY*, v. 27(3), p. 27-35, <https://doi.org/>



Rock Shows Coming Up

Wyoming State Mineral and Gem Society
2022 STATE ROCK SHOW
 Riverton Mineral and Gem Society





rivertonmgs.org www.wsmgs.org

Admission: \$2 **Kids Free! 12 and under**

JUNE 10 - 12 **FRIDAY 12-8**
Fremont Center
1010 Fairground Road
Riverton Wyoming **SATURDAY 9-5**
SUNDAY 10-3

Beads	Kids!	Silent Auction
Jewelry	Sand Box	Door Prizes
Fossils	Grab Bags	Raffles
Minerals	Lucky Wheel	Demos
Gems	Shaker Box	Field Trips
Lapidary	Displays	Fun for all!

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Rock Shows Coming Up

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Sublette County Rock Hounds'

2022 Gem & Mineral Show

June 17, 18, & 19

Sublette County Fairgrounds

10937 Hwy 189

Big Piney, Wyoming

Friday & Saturday 9-5, Sunday 9-4

**Dealers, demonstrators, exhibits,
Mr. Bones (dinosaur puppeteer),
field trips, fluorescent mineral display,
kids' activities, food concession & more!**

Contact: jimgray@wyoming.com or schafma1@hotmail.com

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Rock Shows Coming Up

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NCRC presents the 74th Annual
(Continued on Page 7)

GEM & MINERAL SHOW

July 16-17, 2022

**Actual
Raffle
Item**

Sat 9-5 Sun 9-4

**Admission \$3
under 12 free**

**Ramkota
Hotel
800 N Poplar
Casper WY**

**Raffle: Amethyst Cathedral, hunk of Wyoming Jade,
and much more**

Silent Auctions: WY rocks in the rough

Door Prizes

Demonstrations: Cabbing Demo

Come see Lapidary Gary

Contact: Mac Goss 307.439.9873 macogre13@yahoo.com

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Rock Shows Coming Up

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Upcoming AFMS and Regional Federation Conventions

from Walt Beneze

	California Federation	Eastern Federation	Midwest Federation	Northwest Federation	Rocky Mountain Federation	South Central Federation	Southeast Federation
2022	Lancaster, CA May 6-8	Harrisburg PA Sept. 16-19	Springfield MO Oct. 21-23	Hillsboro OR Sept. 30-Oct 2	Las Vegas, NV June 17-19	AFMS & SCFMS October 14-16 New Orleans, LA	Marietta GA Nov. 18-20
2023			Howell MI Sept. TBD	AFMS & NFMS- Billings, MT August 3-6			



We're looking for news from your club!

Is your club doing fun things?

Do you have a story you'd like to share?

Know someone who would make a great Rockhound Spotlight?

Send stories and photos to jsn@wsmsg.org!

Please send club news and photos for
the next issue of Jade State News
by August 1, 2022.



Club News



Cody 59ers

Cody, Wyoming

By Bill Tabacinski

Community Outreach Coordinator
Cody 59ers Rock Club

The Cody 59ers Rock Club took advantage of a "Hobby Fair" held at the Park County Library to share our interests and knowledge with the general public.

Along with a lot of rockhounding enthusiasm, members brought agate,

jasper and petrified wood collections, specimens from various Wyoming rockhounding adventures, lapidary and jewelry items, and even some stone crafted clocks to the April 22nd and 23rd event.

Adult visitors to the library were greeted by our members, who shared information about rocks, membership and field trips. A large selection of

polished stones was available for youngsters to search through to select their "perfect" specimens.

Our club was thankful for the opportunity given us by the Park County Library to share with our neighbors the educational and recreational activities our club provides. The Hobby Fair was an enjoyable, family-friendly event that we hope will be repeated.



Above: Nella Flurkey, Shea Lassiter and Elaine Tabacinski (L-R) ready for work at a table with information about rockhounding and the Cody 59ers Rock Club. Right: Greg Jones (left) and Nella Flurkey help people identify rocks during the Hobby Fair at the Park County Library in Cody. Photos by Bill Tabacinski



Left: Greg Jones displays examples of various types of rock specimens. Below: Sharyn Kessler (right) shows her wire-wrapped specimens and explains the wire-wrapping process. Shea Lassiter (in pink) explains tumblers, while children pick out their free tumbled rocks. Donna Kennedy (further back) shows her personal rock collection. Photos by Bill Tabacinski



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Club News

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Shoshone Rock Club Powell, Wyoming

Club considers hosting mini rock show in Powell

The Shoshone Rock Club met on March 8 in the Club Room at the Park County Branch Library in Powell.

Club President Gary Olson listed upcoming 2022 rock shows in Wyoming.

Club member Greg Clark suggested that the Powell Club consider hosting a mini rock show later this summer. Cindy Cordova and Ilene Olson volunteered to establish and lead a committee to come up with ideas and facilities for a possible show. They reported at the May 10 meeting that it may be possible to have a rock show at the Park County Fairgrounds in August. A full committee will work to determine whether that is feasible, and to determine how the proposed rock show would be structured. They will report back in June.

Clark, a professional geologist, gave the program in March. He explained how dendrites form in rocks. Dendrites have repeating patterns that result from minerals seeping into cracks or crevasses in rocks during their formation.

The mineral had a limited supply, and it only partially filled the openings in the rock. Otherwise, the mineral layers would be solid, and would not show a dendritic pattern, he said.

Clark provided several examples of dendritic rocks, and other club members brought additional samples for viewing.



Dendrites are formed when minerals incompletely fill cracks or openings in a forming rock. True dendrites always create repeating patterns, as in this example provided by presenter Greg Clark. Photo by Elyse Lynn



Two examples of cabochons made from dendritic rocks found in Wyoming, provided by Gary Olson. Left, Sweetwater agate; and right, Sagebrush agate. Photos by Elyse Lynn

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WSMGS Rock Clubs

Riverton Mineral & Gem Society

P.O. Box 1904
Riverton, WY 82501
rivertonmgs@wsmgs.org
www.RivertonMGS.com

Meets 2nd Mon. 7 p.m.
(Jan.-May, Aug.-Nov.)
Senior Center, 303 E. Lincoln, Riverton

President: Stan Grove
Vice-President: Molly Fauth
Treasurer: Al Zelnak
Secretary: Holly Skinner
JSN: Open
Historian: Open
Field Trips Ted Knowles

Cody 59ers Rock Club

P.O. Box 1251
Cody WY 82414
cody59ers@wsmgs.org
www.Cody59ers.com

Meets 4th Thursday (Sept-May) 6:30 p.m.
Park County Courthouse, EOC room,
1002 Sheridan Ave., Cody

President: Greg Jones
Vice-President: ... Stephanie Melbraaten
Treasurer: Aubrey Smith
Secretary Nella Flurkey
Historian: Stan Strike
Field Trips Greg Jones

Shoshone Rock Club

P.O. Box 256,
Powell, WY 82435
shoshonerockclub@wsmgs.org

Meets 2nd Tuesday 7 p.m.
Powell Library
317 E. Third St., Powell

President: Gary Olson
Vice-President: Elyse Lynn
Treasurer: Cheryl Thomas
Secretary: Linda Thomas
JSN: Ilene Olson
Historian: Open
Field Trips Dorine Strom

Cheyenne Mineral & Gem Society

P.O. Box 21412
Cheyenne, WY 82003
cheyennemgs@wsmgs.org

Meet 2nd Wed. 7 p.m. (August-May)
IBEW Union Building
810 Fremont Street-Cheyenne

President: Open
Vice President Open
Treasurer: Jan Shively
Field Trip Mark Shively



Rex Young Rock Club

112 East 3rd
Lingle, WY 82223
rexyoungrockclub@wsmgs.org

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

President: Kim Nielsen
Vice-President: Ed Verplancke
Treasurer: Helen Vogel
Secretary: Joyce Trowbridge
JSN: Joyce Trowbridge
Historian: Joyce Trowbridge

Natrona County Rockhounds

P.O. Box 123,
Casper, WY 82644
natronarockhounds@wsmgs.org

Meets 1st Monday 7 p.m. (April-Dec)
Shop Open 6-8 p.m. Tue & Fri at
Clubhouse, 5211 Rambler, Mills

President: Martin "Mac" Goss
Vice-President: Renee Eddi
Treasurer: Ken Platte
Secretary: Kim Platte

Sublette County Rock Hounds Club

P.O. Box 1351
Big Piney, WY 83113
subletterockhounds@wsmgs.org

Meets 1 p.m. 3rd Saturday (March-Dec)
The Bench Grill
415 Winkleman, Marbleton

President: Jim Gray
Vice-President: Mike Schaffer
Treasurer: Leane Gray
Secretary: Deb Jess
Field Trips Roger McMannis

Northeast Wyoming Rockhounds

2107C N. Hwy 14-16
Gillette WY 82716
newyrockhounds@wsmgs.org

Meets odd # months
Check email for dates

President: Dennis Brown
Vice-President: Juli Roller-McDougall
Treasurer: Open
Secretary: Open

WSMGS Electronic Board Meeting

April 2022

I. Electronic Meeting Instructions to Board Members:

As a WSMGS Board Member, I 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, March 29. If you have questions about any item call, text, or email me at 307-260-6442 or pres@wsmsg.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. President's Report by Jim Gray:

A. WSMGS 2022 Annual Show will be hosted by Riverton Mineral and Gem Society.

B. Annual WSMGS meeting will be in Riverton June 9, 2022 at the Riverton Fair grounds. At 6:00 pm all elected officers are required to be at this meeting.

C. Please we need clubs to send in a list of activities, field trips, etc. to WSMGS Historian (Roger McMannis) and copies of meeting minutes once a month, after the meetings, or annually so they can be archived. Would like to post club activities in Jade State News.

D. If any Club has any questions, concerns, or needs please let me know and I will do my best to help.

E. We need members to help write articles for the Jade State News Letter, please send to me and I will proof read them and send on to be edited into the News Letter, pictures of field trips, club meetings or activities will be welcome. Or send to JSN@wsmsg.org

F. Scheduled shows as of today:

a. Cheyenne Gem and Mineral Club, April 30 & May 1, 2022

b. Riverton Mineral and Gem Society June 10,11,12, 2022 Hosting WYOMING STATE GEM AND MINERAL SHOW.

c. Sublette County Rockhounds June 17,18,19, 2022.

d. Natrona County Rockhounds July 16, 17 2022. Date Change

e. Northeast Wyoming Rockhounds in September.

These dates have gone to the WSMGS Webmaster to put on the WSMGS website.

G. State clubs in the past have helped the club doing the state show by donating tumbled rock, rock for silent auction, cash donation to help with advertising, etc. So, if your club wants to help Riverton let them know so they can plan.

H. WSMGS will have a sales table at the STATE show. We are asking for donations in the form of rock, used equipment, whatever you have that can be sold to help fund the WSMGS would be greatly appreciated, this is the only fund raiser that the WSMGS has.

I. IRS form 990 is due by May 15, 2022. If you need help, please call or email me. All clubs are required to file this form.

III. Vice President's Report by Linda Richendifer:

A. Annual membership directory has been completed and sent to the WSMGS member clubs. This directory is not to be copied or shared outside the club membership.

IV. Secretary's Report By Leane Gray:

A. Prior Electronic WSMGS Board Meeting Minutes are printed in the Jade State News, which are available online: wsmsg.org under the heading Newsletters.

V. Treasurer's Report by Mac Goss:

A. 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 may contact the IRS directly by email: la2.alt.www4.irs.gov/pub/rup_login_1

B. 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 Dec. 2, 1969

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WSMGS Electronic Board Meeting

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Cody 59ers Rock Club	February 1, 2012
Natrona County Rock Hounds	April 15, 1954
Rex Young Rock Club	Not Incorporated
Northeast Wyoming	November 8, 2018
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

The treasurer's report follows on this page.

VI. Historian Report by Roger McMannis:

A. Reminder that all WSMGS clubs need to send activities and meeting minutes or annual reports please.

B. Please email them to Roger McMannis: hist@wsmsg.org OR mail to him P.O. Box 1081- Big Piney, WY 83113.

VI. Jade State Newsletter by Ilene Olson:

Clubs are encouraged to submit news items, articles, abbreviated minutes, and photos for publication in the Jade State News.

Submission dates to Jade News Editor [jsn@wsmsg.org] are the 1st of February, May, August, and November.

The WSMGS would like to encourage clubs to nominate *non-club members* individuals/couples from your region who have been active in promoting the Earth sciences to be recognized by receiving recognition in the Jade State News as Wyoming Rock Stars!

Check out former winner write-ups on the WSMGS website: wsmsg.org-Menu-WSMGS Topic: Library-WSMGS Awards.

Rock Star Nominations: please submit these nominations with a descriptive paragraph and photo to the JSN. There is not an award associated with the nominations; it is a recognition.

VII. WSMGS Website by Marlene Sibley:

A. The WSMGS needs Action Photos from each of your clubs. Please include the photographer's name for proper photo credit and a short caption summary as to activity. Send photos to: webmaster@wsmsg.org

B. Marlene would like to update the website and need club photos in order to do this.

VIII. Old Business: N/A this meeting.

IX. New Business:

Please vote AGREE or DISAGREE to the four action items.

*** VOTE Action Item #1- Agree or Disagree issue a check to Ilene Olson, for supplies to publish the JSN. \$75.00

ALL RESPONDENTS VOTED IN FAVOR, **MOTION CARRIED.**

*** VOTE Action Item #2- \$50.00 gift certificate for Marlene Sibley, WSMGS Webmaster.

ALL RESPONDENTS VOTED IN FAVOR, **MOTION CARRIED.**

X. Meeting Adjourned- Friday, April 29, 2022.

WSMGS Treasurer's Report — January, 2022

		Total Expenses & Revenues, to-date:		\$ 2,066.85		\$ 2,488.50			
ACTION	DATE	DESCRIPTION	EXPENSE, PAYMENT	Cleared Bank?	REVENUE, DEPOSIT	RUNNING BALANCE	BANK BAL	BAL?	
Deposit	7/1/2021	Donation - Jim Gray		x	\$ 5.00	\$ 4,897.03			
128	7/8/2021	Natrona Co. Rockhounds - meal allowance	\$ 200.00	x		\$ 4,697.03			
129	7/8/2021	Roger McMannis - Travel expenses	\$ 150.00	x		\$ 4,547.03			
130	7/8/2021	Linda Richendifer - Travel expenses	\$ 150.00	x		\$ 4,397.03			
131	7/8/2021	Stan Strike - Travel expenses	\$ 150.00	x		\$ 4,247.03			
132	7/8/2021	8th Street Ivy - gift to Marlene Sibley	\$ 50.00	x		\$ 4,197.03			
133	7/8/2021	ALAA - annual dues	\$ 50.00	x		\$ 4,147.03			
134	7/8/2021	West Texas Trail Museum	\$ 100.00	x		\$ 4,047.03			
135	7/8/2021	Ilene Olson - Travel Expenses	\$ 150.00	x		\$ 3,897.03	\$ 3,897.03	x	
136	VOID	VOID	\$ -	-		\$ 3,897.03			

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WSMGS Electronic Board Meeting, March 2021

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		Total Expenses & Revenues, to-date:	\$ 2,066.85		\$ 2,488.50			
ACTION Deposit, Check #, Fee	DATE	DESCRIPTION	EXPENSE, PAYMENT	Cleared Bank?	REVENUE, DEPOSIT	RUNNING BALANCE	BANK BAL	BAL?
Deposit	8/6/2021	Proceeds Silent Auction at State show		x	\$ 1,440.00	\$ 5,337.03		
Deposit	8/17/2021	Donation - Jim Gray		x	\$ 5.00	\$ 5,342.03		
Deposit	8/24/2021	Donation - Mac Goss		x	\$ 5.00	\$ 5,347.03	\$ 5,347.03	x
Deposit	9/20/2021	Annual Dues - NE Wyoming Rockhounds			\$ 21.00	\$ 5,368.03		
138	09/28/21	Wyoming Secretary of State, change Regist	\$ 5.00	x		\$ 5,307.07		
Deposit	10/20/21	Donation - Mac Goss		x	\$ 5.00	\$ 5,312.07	\$ 5,312.07	x
Debit Card	11/01/21	Wyoming Secretary of State, annual filing	\$ 52.00	x		\$ 5,260.07		
Deposit	11/17/21	Annual Dues – Natrona and Shoshone		x	\$ 181.50	\$ 5,441.57		
Deposit	11/23/21	Annual Dues – Riverton M & G Society		x	\$ 304.50	\$ 5,746.07		
Deposit	11/29/21	Annual Dues – Sublette County		x	\$ 303.00	\$ 6,049.07	\$ 6,049.07	x
140	12/03/21	Ilene Olson – JSN editor supplies	\$ 75.00	x		\$ 5,974.07		
139	12/17/21	RMFMS – Annual Dues for WSMGS	\$ 12.90	x		\$ 5,961.17		
Bank Charge	12/31/21	Bank Charge	\$ 10.00	x		\$ 5,951.17	\$ 5,951.17	x
Deposit	01/19/22	Annual Dues – Rex Young		x	\$ 27.00	\$ 5,978.17		
Deposit	01/19/22	Annual Dues – Cheyenne & Cody		x	\$ 151.50	\$ 6,129.67	\$ 6,129.67	x
141	2/24/2022	Ilene Olson – JSN editor supplies	\$ 75.00	x		\$ 6,054.67		
151	2/16/2022	Cincinnati - Trailer Insurance 1 year	\$ 429.00	x		\$ 5,625.67		
152	2/10/2022	Stan Strike for Marlene Sibley gift card	\$ 50.00	x		\$ 5,575.67		
Bank Charge	2/28/2022	No Deposit fee	\$ 10.00	x		\$ 5,565.67	\$ 5,640.67	x
153	3/14/2022	Wildcat Auto – repack trailer bearings	\$ 347.95	x		\$ 5,217.72		
Deposit	3/7/2022			x	\$ 10.00	\$ 5,227.72		
Debit Card	3/17/2022	Wyoming Secretary of State, annual filing refund		x	\$ 25.00	\$ 5,252.72	\$ 5,327.72	x
Deposit	4/5/2022			x	\$ 5.00	\$ 5,257.72		
Deposit	4/28/2022			x	\$ 5.00	\$ 5,262.72	\$ 5,262.72	x

AFMS Land Use Policy

1. Adherence to the AFMS Code of Ethics assures compliance with most statutes and regulations governing collecting on public lands and encourages respect for private property rights and the environment. Clubs are urged to read the AFMS Code of Ethics in at least one meeting every year, to publish the Code frequently in the club newsletter, and to compel compliance on club field trips.

2. Individuals and clubs are urged to write their elected representatives and land use management agency supervisors regarding issues of rule making, legislation and enforcement affecting field collecting of minerals and fossils.

3. Individuals and clubs are urged to join and support activities of the American Lands Access Association (ALAA), a sister organization with responsibility for advancing the interests of earth science amateurs with legislatures and land use management agencies.

4. The AFMS will receive a report from ALAA at its annual meeting.

5. The AFMS endorses the principle of multiple use of public lands as a guarantee of continuing recreational opportunities.

6. Wilderness and monument designations are inconsistent with the principle of multiple use. In view of the vast amount of public land already designated as wilderness and monuments, future such designations should be minimal, taking into account the increased demand for recreational opportunities, including rockhounding, created by a growing population.

7. In furtherance of the principle of multiple use, the AFMS believes that laws, regulations and rules established by relevant governmental authorities should be designed to allow freest possible access to all public lands, coupled with minimal restrictions on the recreational collection of minerals, fossils, gemstone materials and other naturally occurring materials.

8. A right to collect minerals and fossils on public lands should be protected by statute.

9. The AFMS urges its members to work with any or all government authorities to achieve a good working relationship in order to improve the public image of recreational collectors.

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