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From the Editor

Please forgive me once again for the combined month newsletter. My hard drive crashed so I have lost all my previous issues, all my saved data for upcoming shows, and my sanity to some extent. I have learned my lesson and now put a lot more value into backing up my files.

Please submit your contributions for the next issue by March 10th to rmfmseditor@gmail.com.

Heather Woods, PG

Affiliations

The Rocky Mountain Federation of Mineralogical Societies (RMFMS) is a member of the American Federation of Mineralogical Societies (AFMS).

Cover photo courtesy and copyright of Erin Delventhal of the San Juan County Gem and Mineral Society. “Alluvial Fan, Utah”. Fun fact: the field of view is only about 3 feet across!
President’s Message

By Bob Regner, RMFMS President

Hello all,

I would like to introduce myself to those who do not know me yet. My name is Bob Regner and I became president of the Rocky Mountain Federation on November 1st of last year. I am getting a bit of a late start due to back surgery just two weeks prior to this date. I am still recovering but I am starting to catch up on things.

My home club is the Albuquerque Gem and Mineral Club in New Mexico. I joined the club just over 8 years ago. A few short months after joining I was asked and became the field trip chair for the club. I remained in this position for three years at which time our BOD asked me to run for president. I won the election and started a 3 year stint as president of the club. In 2017 our club hosted the RMFMS convention and I played the role of convention chairman in conjunction with being president. At the end of 2017 I was asked to take a break from the board so I only stayed on as Past President and advisor for the year. For 2019 I stepped up as our clubs presentation chairperson. As of this month I have resigned that position as well and I am ready to devote my full attention to the Federation.

I have a lot of people to thank from my club for having such a successful run on my board. I understand that any president and club is only as successful as the entire board. I have already spoken to quite a few of you and I am hoping that the ones I have not spoken with yet are still wanting to stay on their committee positions. Last, and certainly not least, I can’t even begin to express how much I appreciate my wife Donna for everything she has done to help me with everything.

I look forward to working with all of you for at least the next year,

Bob

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Treasurer’s Report – December 2019

By Gene Maggard, RMFMS Treasurer

Finances for fiscal year 2018-19 are complete. Income exceeded expenses by about $4,200, compared to the budgeted amount of $700. There was no particular budget category that accounted for the higher than budgeted surplus. Several budget income categories were above budget and several expense categories were below budget.

We gained two additional clubs, the West Valley Rock and Mineral Club, Buckeye, AZ, and the Northeast Wyoming Rockhounds, Gillette, WY. We finished the year with 81 member clubs and 11,233 individual members. This compares with 79 clubs and 10,706 individual members in 2017-18. Even without the two additional clubs, 2018-19 individual members exceeded 2017-18 by 447 members.

The Federation continues a steady increase in both individual memberships and member clubs. There are still many known rock clubs in the RMFMS region that are not members of RMFMS. Everyone that has contact with members of these clubs, please encourage them to join RMFMS, both for the benefit of the clubs and RMFMS.

Looking back over the past year, one of the major highlights was the RMFMS convention in Prescott. The Prescott area is delightful to visit and the Prescott club members were terrific hosts. I am sure that the 2020 convention in Big Piney, Wyoming will be equally as great. I can hardly wait.

Gene Maggard
Treasurer

San Juan County Gem and Mineral Society’s 2019 Rockhound of the Year

By Heather Woods, San Juan County Gem and Mineral Society

The San Juan County Gem and Mineral Society presented it’s 2019 Rockhound of the Year award to Tory Bonner. Tory is an integral part to many of the club’s functions including monthly meetings, the club show, and field trips. Always a smiling face, his dedication is both appreciated and admirable.

Congratulations!
Wyoming State Mineral and Gem Society’s 2019 Rockhounds of the Year

By Stan Strike, RMFMS Wyoming State Director

The Wyoming State Mineral and Gem Society’s 2019 State Rockhounds of the Year was awarded to Jim and Leane Gray of the Sublette County Rock Hounds Club. Jim and Leane were instrumental in forming the Sublette County Rock Hounds Club on June 4, 2016. Thirty-nine people attended this first meeting for the Sublette County Rock Hounds Club. As of January 2019, this club has a total of 248 members including 25 members under age 18. Jim Gray has served as club president and Leane as club secretary since the club’s formation. As officers, they have gained club members by promoting interesting programs and field trips. During the summer of 2017, their club sponsored their first local Mineral and Gem Show, followed by another show in 2018 and a 3rd annual show in 2019. Jim has successfully served as Show chairmen for all 3 shows and we all know that behind every successful man, was Leane helping with the details. The Sublette County Rock Hounds sponsored the 2018 WSMGS State Mineral and Gem Show. As officers of this club, Jim and Leane have been planning and communicating for this show and will be administrating it during its occurrence. In addition, the Sublette County Rock Hounds Club applied for and were approved to host the 2020 RMFMS Convention. With the sudden resignation of our newly elected WSMGS president in the fall of 2017 and that of the secretary in the summer of 2018, Jim agreed to serve as WSMGS president and Leane as WSMGS secretary. As WSMGS President, Jim promoted the formation of 2 additional rock clubs in Wyoming: the Fossil Basin Mineralogical Society in Kemmerer and the Northeast Wyoming Rockhounds in Gillette. If it was not for Jim and Leane Gray’s leadership there would not be a rock club in Marbleton/Big Piney and over 200 individuals would not be exploring and learning about the exciting world of Rock Hounding in Wyoming!

Each Wyoming club also recognized their own Rockhound of the Year as follows:

Cody 59ers – Nella Flurkey
Shoshone Rock Club – Mary Vogel
Riverton Mineral & Gem Society – Linda Richendifer
Sublette County Rockhounds – Tom Marchwick
Cheyenne Gem & Mineral Society – Jan and Mark Shively
Natrona County Rock Hounds – John Hines
Northeast Wyoming Rock Hounds – Ryan and Vanessa Grove

Junior Rockhound of the Year for Northeast Wyoming Rockhounds was awarded to Hayden Minchow

Congratulations to all!
Show Displays

By Paul Otto, RMFMS Competition Rules Committee Chair

Hello and Happy New Year RMFMS members. My name is Paul Otto. I have been asked and have agreed to take over the chairmanship of the RMFMS competition rules committee. Some of you probably know me from the shows that I have attended and from being an AFMS competition show judge for mineral specimen displays.

For some number of years now I have noticed that the number of displays, especially competitive displays, has not been what it was in prior years. I would like to encourage a turnaround of this trend. Entering a display is fun and generally not that difficult. You can start out at local shows and move up as you become familiar with how it all works. A complete set of rules is available on the AFMS website – www.amfed.org. You will see that there are many categories that you may enter. There are classes for different specializations of mineral specimens, lapidary, fossils, education displays and more. There are also club cases where you can assemble things from many members of your club into one display.

Don’t be afraid of not having the best specimens or workmanship. Try it, enjoy it and progress. Judging is not just on the quality of your specimens and workmanship but you may gain many points from having your labeling correct (gone are the days when you had to try to do them on typewriter or have them professionally printed) and being sure that your case liners are neat and clean. Read the rules carefully to avoid problems. As an example, in some mineral classes there are minimum and maximum limits for the number of specimens, and they might have to fit in a certain size box. Don’t lose points because you did not know a specific rule.

For local shows if you do not have your own case, many clubs have cases you may use, and at regional and national shows the host club usually has cases available. To those who are putting on a show, I have all the judging score sheets and will be happy to e-mail them to you. Please encourage your members to try putting in a display as individuals or as part of your club.

Please feel free to contact me. My e-mail address is mineralspecimens@hotmail.com. In occasional future newsletters I will attempt to give you tips about putting in a display. Once again, I encourage you to try putting a display – competitive or non-competitive – in your next show. You and the people seeing your display will enjoy it.

I look forward to seeing many of you at upcoming shows.

Paul Otto
The Cresson Mine: The Untold Stories

By Benjamin Hayden Elick and Steven Wade Veatch, Colorado Springs Mineralogical Society,

The Cresson mine (figure 1), situated between Cripple Creek and Victor, Colorado, was established in 1894 (MacKell, 2003). No one is certain who started the mine, but records show that two brothers, insurance agents J.R. and Eugene Harbeck from Chicago, were early owners. After a hard night of drinking, they sobered up the next day and learned of their new acquisition (MacKell, 2003). The Cresson Mining and Milling Company was organized a year later, in 1895, to raise capital and operate the mine (Patton and Wolf, 1915). The mine continued operating through several leases with low but steady proceeds.

**Figure 1.** Early view of the Cresson mine, Cripple Creek, Colorado. Photograph date circa 1914, courtesy of the Cripple Creek District Museum.

The Cresson mine became profitable when Richard Roelofs, a known mining innovator, was hired by the Harbecks as mine manager in 1895. Roelofs wrote on an undated letterhead: “I was a prospector, a leaser, a miner, an assayer and chemist, an underground shift boss, foreman, superintendent and then general manager of one of the greatest of Colorado’s mines” (Roelofs, n.d.).

Roelofs (figure 2) was a newcomer to Colorado, as many were when the Cripple Creek gold rush ignited in 1891. He moved to Cripple Creek in 1893 with his wife, Mabel. They had one child, Richard Jr., who was born on August 19, 1894 in Cripple Creek.

Not only did Roelofs have to manage the Cresson mine, he had to raise his son alone. Shortly after the birth of Richard Jr., Mabel left her husband and went to Philadelphia, taking their infant son with her. She left Cripple Creek to pursue riches. Then, in July 1895, police arrested Mabel Roelofs for passing bad checks (Keels, 2018). Richard Jr. was sent back to Cripple Creek to join his father. Mabel Roelofs later fled to New York, where she continued a life of crime working con after con. As authorities began to close in, she committed suicide by poisoning in 1908.

**Figure 2.** Richard Roelofs, manager of the Cresson mine. Photograph date 1914, courtesy of the Cripple Creek District Museum.
Richard Roelofs, in his employment contract, earned a percentage of the Cresson mine’s profits, making him a very rich man. If Mabel Roelofs had stayed with Richard, she would have shared in his fabulous wealth.

Roelofs introduced new technology and mining techniques at the Cresson mine, including an aerial tramway he designed that transported ore to a railway at the bottom of the large hill on which the Cresson sat. The tramway reduced the costs of transporting ore (Sprague, 1953). Roelofs deepened the shaft and enlarged the mined-out voids (or stopes). The Cresson’s stopes were the largest in the district, at almost 100 m in width and hundreds of meters high. It is estimated that several houses could fit inside the stopes of the Cresson (Jensen, 2003; Sprague, 1953). Roelofs’s work allowed the mine to be debt-free by 1911, and it earned $150,000 annually between 1912 and 1913.

Miners discovered the famous Cresson vug by accident on November 25, 1914 (Smith Jr., Feitz, and Raines, 1985). While following large ore shoots on the 12th level, miners broke into the large chamber (or “vug”) which was in the shape of a pear (Patton and Wolf, 1915). It was approximately 12 m tall, 7 m long, and 4 m wide. The walls were lined with delicate, sparkling crystals of gold tellurides. However, many had fallen to the floor—disturbed by nearby blasting (Jensen, 2003).

The ore minerals in the vug were mostly the gold tellurides sylvanite and calaverite. Sylvanite is comprised of gold, silver and tellurium, while calaverite contains only gold and tellurium. The tellurides within the Cresson vug occurred as crystals, varying in length from 1 mm to 3 mm. On some crystals of calaverite, pure gold was found, suggesting chemical alteration (Patton and Wolf, 1915). These ore minerals penetrated beyond the surface of the vug into the surrounding rock to depths of up to 1.5 m (Mehls and Mehls, 2001).

The gold camp was soon buzzing with conversation about the vug and word of the discovery spread across the nation. National newspapers said the vug “staggered the imagination,” and another paper declared it “the most important strike ever made in the Cripple Creek District” (Various period newspapers: Cripple Creek District Museum, n.d.). This astonishing discovery supported Cripple Creek’s claim that it was the “World’s Greatest Gold Camp.”

The vug, and a considerable amount of Cresson ore, was a part of the Cresson pipe, or blowout. The Cresson pipe is an elliptical cylinder of lamprophyric material (mafic rocks) 100 m to 150 m in diameter (Jensen, 2003). The lamprophyric matrix graded into a lighter colored carbonate matrix (Jensen, 2003). The entire blowout is encased inside a diatreme, a carrot-shaped volcanic complex, emplaced in the Oligocene (about 30 Ma) that reached deep into the crust (Jensen, 2003). The perimeter of the pipe produced 2,000,000 ounces of gold, indicating major deposits of gold-bearing solutions along the contact between the Cresson pipe and the diatreme (Jensen, 2003).

The gold ore from the vug was so valuable that Roelofs quickly took measures to prevent theft or high grading. He ordered a storehouse built underground (on the same level as the Cresson vug) into an old drift and secured it with solid steel doors. Bags of gold ore were stacked by hand and securely locked inside. A newspaper article described the magnitude of ore as “they had stacked between 80 to 100 tons of the phenomenally rich ore at the time of my visit, and from all indications, will continue stacking this
ore for some time” (Various period newspapers: Cripple Creek District Museum, n.d.). At times, up to $500,000 (1914 value, or $36,250,000 in today’s dollars) worth of gold ore was stored there.

The Cresson vug’s valuable gold ore also needed special handling. Roelofs hired guards to protect the vug and ore. The guards watched over the ore on every part of its journey through mining, transportation and processing—keeping it safe from thieves. Two to three armed guards worked each shift underground, providing constant protection for the ore and vug. To prevent high grading, Roelofs allowed only two of the most trusted and senior miners to work the vug at a time, and always under close supervision.

The Cresson mine took precautions to secure the ore while it traveled on the railways to smelters. These measures included locked box cars and guards carrying sawed-off shotguns and rifles, who rode inside and on the top of the cars (Newton, 1928). Accounts claim that gold ore was scraped off the vug’s walls and then shoveled into large canvas bags (figure 3). It took four weeks to mine the vug out (Cunningham, 2000).

There were two main grades of ore from the Cresson vug: the first grade included ore worth over $5,000 (1914 dollars) per ton and the second grade from $1,000 to $1,500 (1914 dollars) per ton (“$10,000,000 Strike in Cresson Mine Proves Again that Colorado is the Paradise for the Gold Hunter,” 1914, p. 5). The higher-grade ore had 250-plus ounces of gold per ton, while the second grade of ore had 75-plus ounces per ton, based on the 1914 gold price of $20 per ounce (Historical Gold Prices, 2015).

In all, a whopping 60,000 ounces of gold was recovered from the vug (Hunter, 2002). The total value of the vug’s ore in 1914 gold prices was $1,200,000 (Smith Jr., Feitz, and Raines, 1985). Based on today’s gold values, the vug’s rich ore would be worth over $87,000,000.

The discovery of the Cresson vug prompted other mines in the district to deepen their shafts, since the vug was found on a deep level of the Cresson. Mine owners also expanded exploration in their mines.

Roelofs, at the age of 50, sold out in 1917 and spent the next 30 years comfortably in New York while spending time abroad, mostly in Paris Richard. He died at the age of 82 in 1939 (Sprague 1953).

The Cresson mine was operated for 66 years, finally closing in 1961 (Munn, 1984). After finishing as one of the top producing mines in the district, its buildings were torn down and the head frame and its machinery were moved to a park in Victor.

Figure 3. Canvas bags of gold ore from the Cresson vug are brought to the surface. Men are getting the bags ready for shipment. Photograph date 1914, courtesy of the Cripple Creek District Museum.
In the early 1990s, exploration geologists discovered a 2.5 million-ounce gold deposit in the same area as the historic Cresson mine, called the Cresson deposit. The Cripple Creek and Victor Gold Mining Company submitted permit applications in 1994 for open pit mining of the Cresson deposit and surrounding areas. Mining started in December 1994 and, by the end of 1995, 76,500 ounces of gold were produced. The Cripple Creek and Victor Gold Mining Company is still mining the area today under the ownership of Newmont Goldcorp with headquarters in Greenwood Village, Colorado.

The original Cresson mine shaft is long gone and, in its place is the Cresson open pit at 518 m deep (Poulson, personal communication, 2019). Newmont will deepen the pit another 91 m for an ultimate depth of 609 m. At this point, a portal for underground exploration is planned at the bottom of the pit. This project is planned in two phases. In phase one, a decline drift is planned with 762 m of easterly exploratory drifting underneath the Cresson pit. The intention is to establish drill bays at the end of the drift for core drilling below the historic Orpha May and Vindicator mines. The estimated cost of this phase is $26 million. Phase two includes 3,048 m of exploration drifting and positioning core drilling bays at an additional $100 million cost. The goal is to prove the potential for underground mining projects. If Newmont Goldcorp’s investment council approves this plan, the project would start as early as the first quarter of 2020 (Poulson, personal communication, 2019).

The Cresson mine took its place among the important mines in Cripple Creek as a result of its early establishment in the district, an innovative mine manager, expansive underground workings and the discovery of the rich Cresson vug. Mining continues at the Cresson today.

References Cited

$10,000,000 Strike in Cresson Mine Proves Again that Colorado is the Paradise for the Gold Hunter. (1914, December 30). Denver Post, p. 5.


Various period newspapers: Cripple Creek District Museum, n.d. (n.d.)
Rockhounds Outreach for Community Knowledge (R.O.C.K.) had a special visitor at their annual show. That visitor was Ken Zahn of the Northwest Federation of Mineralogical Societies, shown here with the show chairwoman Angela Dieter.

Here are two R.O.C.K. members, Traci at the “Build your own rock collection” and Linda at the “Mystery bags of rocks” kids tables:

Club President Vern also put together a nice display case:
Recently, my wife and I had the opportunity to travel and tour Nova Scotia. As a rock hound, my collecting opportunities were greatly restricted, as most of this area is underlain by the Canadian Shield; which is made up of Precambrian crystalline rocks and were modified by the movement of continental glaciers. The only “rocks” that appeared for sale were Sea Glass. Authentic Sea Glass, found along the beaches or shorelines and semi-polished by natural processes, was being sold by the piece at a price that made me delay any purchase for a better deal later in our trip. I found a deal at the end of our trip in Cape Cod, USA – a whole bag for under $6.00!

After returning home, I did internet research and determined my purchase may not have been Authentic Sea Glass but produced by lapidary processes! I had several pieces of craft glass on display in my workshop, and often times visitors would inquire about it because of its vibrant colors. In addition, on my trip to the 2019 RMFMS Convention in Prescott; I stopped at a rock shop which featured a rainbow of landscape sized pieces of colored glass. In total, these exposures spiked my interest in creating this article.

**What is Sea Glass?**

Sea glass is formed from pieces of broken glass which originated as bottles, jars, glassware, table ware or even as the result of shipwrecks. The most common source of glass is from companies that sell beer, juice and soft drinks. Not as common, is glass that comes from clear plates & glasses, windshields, windows, and bottles. Other sources are soda bottles, ink bottles, and fruit jars from the late 19th to early 20th centuries.

Prior to the environmental movement, it was very common for people to dispose of their unwanted glass into bodies of water. Dumping still occurs today but is more restricted by some countries. Still, it is apparent that some ocean vessels are still dumping their garbage (including glass) into the sea, as evidenced by the accumulation of plastic.

Sea glass can be clear, white, green, blue, jade, aqua, amber and brown, but never shiny. The slick and glossy appearance of glass is slowly transformed over the years into its special, frosted look, especially when saltwater leaches into the glass and when exposed to sunlight. Sea glass also has no sharp edges, unless it has been broken.

It can take as little as 5 years to form, but on average, it takes about 20 to 30 years. The length of time to form sea glass from broken glass depends upon how much mechanical abrasion the glass is exposed to as it is eroded and deposited near beaches and shorelines. For sea glass to acquire its appearance,
the most important ingredient and factor is time—there’s just no substitute for authentic sea glass—unless “forgeries” of it are created using lapidary techniques.

Sea glass may be found along the beaches of the northeast United States, California, northwest England, Mexico, Hawaii, Puerto Rico, Australia and Italy. However, sea glass is getting harder to find for a few reasons. One of them is a positive one: there is less dumping in the oceans today. Less trash, less glass, which leads to less sea glass. Additionally, many glass items have been replaced by plastic. Also, more people are now searching for sea glass along beaches and shorelines and are collecting it.

If you are lucky enough to find sea glass, its surface will have a “frosted” luster (surface has fine scratches) which is characteristic of sea glass. Larger pieces of sea glass can be used to make pendants while smaller pieces can be drilled and strung together as beads.

Rock Hounds who cannot get to a beach or shoreline to search for authentic sea glass, or who are perhaps not satisfied with finding singular pieces, may want to create your own sea glass or polished glass using the following suggested lapidary techniques.

**Polishing Glass: Precautions, Hints, and Information**

**Tumbling Glass Precautions:** If you have experience tumbling rocks, there are a few things that you should know before tumbling glass.

- **Glass is softer than most rocks.** Glass is much softer than agate, jasper and most other rocks that are typically processed in a rock tumbler. Glass has a hardness of between four and six on the Mohs Hardness Scale while agates and jaspers have a hardness of about seven. Glass is softer than agate. Therefore, it will take less time to tumble. We usually skip the coarse grit step.

- **Glass is not as “tough” as most rocks.** Glass is not as “tough” as jasper or agate (Toughness is the resistance of the material to chipping and breaking.) So, when you tumble glass it is very important before starting to tumble to ensure that there is enough material in the barrel, otherwise the glass will be tossed violently around in the barrel and your pieces of glass will be chipped or broken. In addition to filling the barrel properly, it is important to have a range of particle sizes in the barrel. If your load consists mainly of large pieces of glass (greater than 1 inch in diameter), small “used” ceramic pellets should be added to the load (new pellets will scratch the glass). Pellets will fill the spaces between the glass particles, cushion the glass-to-glass impacts, and increase the amount of grinding and polishing that occurs. Add three or four heaping tablespoons of ceramic pellets per pound of glass—enough to fill most of the spaces between the pieces of glass. Use these pellets for both Assorted Colored Glass – Photo Stan Strike’s Collection
rotary tumblers and vibratory tumblers. Plastic pellets should not be used in a vibratory tumbler because they bounce.

- **Polishing glass produces gas.** Glass, whether manmade or natural (obsidian), produces gas during the tumbling process. Check your barrel at least daily and “burp” it by removing the lid if it shows any sign of swelling. Another suggested method is to drill a very small hole in the lid of your tumbler which is covered with duct tape. The tape can be removed to burp the tumbler and then a new piece of tape can be applied. You may also try adding a small amount of baking soda to your mix to minimize the gas production, though not during any final polishing step.

- **Common household glass should not be tumbled.** Broken household glass is usually so thin that it tumbles to nothing or pieces that are so thin that they are fragile and dangerous because of sharp edges. To get nice pieces of tumbled glass, you need to start with pieces that measure at least ½ inch across their minimum dimension. Most rock hounds may find it easier to purchase glass that is already the desired size, color, shape, and luster.

**Sources of Colored Glass for Polishing:** Whatever source you use to obtain your glass, be careful! Glass is very sharp and will cut you. Wear gloves and protective clothing. Safety glasses and a dust mask should always be worn when handling, shorting, or breaking pieces of glass. Instead of breaking glass yourself, it is recommended to purchase landscape glass or nice thick pieces of craft glass. You can often find these for under one dollar per pound.

- **Landscape glass:** “Landscape glass” is sold at some building supply, home improvement, and garden supply stores. It is made from recycled glass and used as a ground cover in shrubbery, planters, and gardens. It is sold in a range of sizes. Thicker, rounded pieces between ¼- and 2-inches are great for tumbling. You can usually purchase landscape glass at reasonable prices which depends on the quantity and colors purchased. Some colors are much more expensive than others. Blue, green, and amber glass can be inexpensive, but red and orange usually cost a lot more.

- **Craft glass:** Craft/Hobby stores, such as Michael’s, Joann Fabrics, and Hobby Lobby usually sell mesh bags of rough glass that are chunky pieces in size ranging between ¼- and 1½-inch. This glass isn’t expensive and usually sells for a few dollars per pound.

- **Internet glass suppliers:** Use an internet search engine to locate bulk glass suppliers such as American Specialty Glass or Bourget Brothers. Large pieces of glass can be purchased from these sources.
Polishing Glass with a Lapidary Tumbler: Many rock hounds may have tumbled natural glass without realizing it. Apache Tears and obsidian are volcanic rocks and natural glasses. Man-made glass can be tumbled using the same techniques used for polishing these natural glasses.

- Polishing Directions to Produce “Frosted” Glass with a Rotary Tumbler: Achieving a “frosted” sea glass finish on your glass is much easier than tumbling to achieve a high polish. A rotary tumbler is recommended, as a vibratory machine won’t give you the soft curves that are part of the sea glass look. Using a cushioning agent, such as plastic or ceramic pellets, will reduce chips and fractures.
  - Use the following tumbling procedures for grit sizes #1, #2, and #3: Wight the glass to be polished. Put the glass into the tumbler barrel. As a cushioning agent, add 3 to 4 heaping tablespoons of pellets per pound of glass, until your tumbler barrel is two-thirds to three-fourths full (add more pellets if necessary, to reach the desired level in the barrel). Add water until it just covers the broken glass and pellets. Add one level tablespoon of #1, #2, or #3 silicon carbide grit for each pound of glass. Check the tumbler contents daily, which will relieve any gas build-up in your barrel. Everyday observe a clean and dry piece of glass from the barrel to see if it has the desired frosted “sea glass look.” When satisfied wit the look of your glass, rinse the glass, pellets, and the barrel into a large bucket and dispose of the contents outside. NEVER WAS THE LEFTOVER CONTENTS OF A TUMBLER DOWN A DRAIN!
    - #1 Course Grit: If the glass used has lots of sharp edges, start with one level tablespoon of coarse grit (60-90) per pound of glass. Check daily to observe when the sharp edges become rounded buy run for only two to four days. When the glass edges become rounded, proceed to #2 medium grit.
    - #2 Medium Grit: Add one level tablespoon of 120-220 silicon carbide grit for each pound of glass. Check the tumbler contents daily, which will relieve any gas build-up in your barrel. Everyday observe a clean and dry piece of glass from the barrel to see if it has the desired frosted “sea glass look.” Medium grit should only be used two to five days to achieve your “imitation” sea glass look.

- Polishing Directions to Produce Polished Glass with a Rotary Tumbler: If starting with a new batch of glass, repeat #1 Coarse Grit above IF you glass has many sharp edges. IF edges are rounded, begin with #2 Medium Grit from above. For each new grit, use the same tumbling procedures as listed previously. Be certain to only use the cleaned glass and pellets to proceed to the next finer grit.
o **#3 Fine Grit:** Use 500-600 silicon carbide grit (1 tablespoon grit per pound of glass) and cushioning pellets. Check the load level in the barrel. If it’s getting below two-thirds full, add additional pellets. Check the contents of the tumbler daily but run only three days total. Rinse the contents of your barrel as in previous steps.

o **#4 Polish Grit:** Don’t skip this step with glass! Use TXP (600 grit aluminum oxide) rather than silicone carbide, as this polish will smooth scratches left by the silicone carbide. Add two tablespoons of TXP per pound of glass and run for five to seven days. Use cushioning pellets to bring your load up to the proper level in the tumbler and check progress daily. Rinse the glass and barrel as in previous steps. (If a vibratory tumbler is used to polish, use ½ tablespoon TXP or Rapid Polish per pound of glass for one to two days.) NOTE: Load in tumbler is limited to only ceramic pellets and glass that is dipped in water and put in tumbler, then polish added.

o **#5 Burnishing:** Burnishing usually improves the shine of tumbled glass. After polishing step #4, tumble the clean glass and pellets about thirty minutes in water containing about one level tablespoon of shavings from a bar of plain Ivory soap per pound of glass. After rinsing in clean water, let dry and enjoy your polished glass!

**Adapted Internet References**

5. https://rocktumbler.com/blog/polishing-colored-glass/

**Upcoming Shows and Events**

**February 29 – March 1, 2020;** Apache Junction Rock and Gem Club’s Spring 2020 Jewelry, Gem, Rock and Mineral Show; Saturday 9am-5pm and Sunday 10am-4pm; Admission $3 adults, $1 students with ID, children 12 and under free; Skyline High School, 845 South Crimson Road, Mesa, Arizona. Rocks, gems, jewelry, fossils, minerals, jewelry supplies, rare and unusual crystals from vendors all over the state. There will be food service, raffles and the best silent auction in the state plus lots of activities for all ages. For more information go to ajrockclub.com.

**February 28 – March 1, 2020;** Denver Gem and Mineral Guild’s Annual Jewelry, Gem & Mineral Show; (See flyer page 19) Friday and Saturday 10am-6pm, Sunday 10am-5pm; Admission free; Jefferson County Fairgrounds, 15200 West 6th Avenue, Golden, Colorado. Gems, minerals, fossils, geodes, jewelry, gem cutting demos, grab bags, door prizes, and mineral displays. Free kids’ activities including digging for crystals and a magic mineral show. For more info go to www.denvergem.org.
March 13 – 15, 2020; **Fort Collins Rockhounds’ 59th Annual Gem & Mineral Show;** Friday 4pm-8pm, Saturday 9am-6pm and Sunday 10am-5pm; Admission $4 adults or $7 for 3-day pass, Students $1, children under 12 free with adult; Thomas M. McKee 4-H, Youth & Community Building, Larimer County Fairgrounds, Fort Collins, Colorado. Exhibits, door prizes, grab bags, silent auction, demonstrations, and gem & mineral dealers. For more information go to [www.fortcollinsrockhounds.org](http://www.fortcollinsrockhounds.org) or email fcrockhounds@gmail.com.

March 13 – 15, 2020; **Association of Earth Science Clubs of Greater Kansas City’s 59th Annual Gem & Mineral Show;** Friday 10am-8pm, Saturday 10am-7pm and Sunday 10am-5pm; Admission $6 adults, $10 2-day pass, $14 3-day pass, $3 children ages 5 to 12, children ages 4 and under free, cash only; KCI Expo, 11730 NW Ambassador Drive, Kansas City, Missouri. Display and demonstration by internationally renowned sculptor Gary Staab, paleo-artist. Fluorescent mineral display, retail and wholesale dealers, swap area, and public auction on Saturday at 7pm. For more information go to kcgemshow.org or email kcgemshow@yahoo.com.

March 20 – 22, 2020; **Albuquerque Gem and Mineral Club’s Treasures of the Earth – 2020, 51st Annual Gem, Mineral, Jewelry Expo; (See flyer page 18)** Friday 10am-6pm, Saturday 10am-6pm and Sunday 10am-5pm; Admission $5 adults, Friday is $2 day, children under 13 free; Creative Arts Center, Expo New Mexico (State Fair Grounds), 300 San Pedro NE, Albuquerque, New Mexico (Enter Gate 3 at San Pedro & Copper, then follow signs). We'll have over 50 dealers selling everything from amethyst cathedrals to Zebra rock, rocks and minerals inexpensive to moderately priced. You will find gems (crystals, faceted, cabs, rough, and set in jewelry), decorator items, and jewelry, books and supplies, beads, and lots more. We'll have a mineral ID Booth, an educational booth from the NM Bureau of Geology and Mineral Resources (both a display and maps, books, and guidebooks), stuff for kids, and three silent auctions per day. We will have displays (about 20), most of them educational, all of them interesting! Displays provided by junior and adult members. For more information go to agmc.info or email show-chair@agmc.info.

March 21 – 22, 2020; **Daisy Mountain Gem and Mineral Club’s Annual Gem and Mineral Show; (See flyer page 20)** Saturday 9am-5pm and Sunday 10am-4pm; Admission $3 adults, $2 seniors and students, children ages 12 and under free; Anthem School, 41020 N. Freedom Way, Anthem, Arizona. Dozens of vendors selling jewelry, gems, minerals, fossils, beads, wire wrapping, and geodes. Kids’ corner events and games, raffles, special ultraviolet room, and experts to identify your favorite rocks. For more information contact Ed Winbourne (978) 460-1528 or ewinbourne@gmail.com.

April 4 – 5, 2020; **Santa Fe Rock, Gem, and Mineral Show;** Saturday 10am-6pm, Sunday 11am-5pm; Admission free; Buffalo Thunder Casino and Resort, 20 Buffalo Thunder Trail, Santa Fe, New Mexico. Featuring minerals fluorescent minerals, fossils, rocks, rocks, crystals, kids’ activities, and door prizes. For more info contact Mel Stairs, mels@swcp.com, (505) 203-2039.

April 4 – 5, 2020; **Northwest Arkansas Gem and Mineral Society’s Annual Show;** Saturday 9am-5pm and Sunday 10am-4pm; Admission donation $3, children under 12 free; Siloam Springs Community Building, 110 N. Mt. Olive Street, Siloam Springs, Arkansas. You’ll find geodes, rocks, minerals, fossils, jewelry, silent auction, prize drawings, live demonstrations, mountings, rough material, slabs, specimens, mineral
identification, exhibits, and much more. This is a family friendly event. For more information: Facebook.com/NWAGMS.

**April 17 – 19, 2020: Wasatch Gem Society’s Annual Gem, Mineral, and Fossil Show;** Friday and Saturday 10am-6pm, and Sunday 10am-4pm; Admission $2, free parking; Salt Lake County Equestrian Center, 2100 West 11400 South, South Jordan, Utah. Door prizes, Wheel of Fortune, slabs, rock grab bags, silent auctions, door prizes, show displays, lapidary demos, wire wrapping demos, show and tell table. Dealers of rock, fossils, minerals, beads, jewelry, spheres, gemstones, wood, lapidary equipment, supplies, tools, and much more. For more information go to wasatchgemsociety.com or contact Roberta Chase (801) 966-0639.

**April 24 – 26, 2020: Wichita Gem & Mineral Society’s Annual Show: Rocks of the USA;** Friday 9am-6pm, Saturday 10am-6pm, and Sunday 10am-5pm; admission $5 adults, $4 with coupon, students 12 to 17 $1, children under 12 free with adult admission; Cessna Activity Center, 2744 George Washington Blvd., Wichita, Kansas. Featuring dazzling gemstone jewelry, gems, crystals, beads, agates, polished stones, meteorites and fossils. Dealers, demonstrators and exhibits. For more information contact Gene Maggard: (316) 742-3746, gandpmaggard@gmail.com or go to wichitagemandmineralsociety.org.

Upcoming Show Flyers

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**Treasures of the Earth 2020**

Gem, Mineral, Jewelry Expo

**Albuquerque, New Mexico**

March 20-22, 2020

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**Creative Arts Center Expo New Mexico**

(State Fair Grounds)

Admission $5.00
Friday is $2 day
Free for kids under 13

Door prizes, raffle, silent auction, kids table, displays, and more!

www.agmc.info
JEWELRY, GEM & MINERAL SHOW

Gems
Books
Displays
Minerals
Sculptures

DEMONS:
Flint Knapping
Wire Wrapping
Fluorescence
Polishing
Faceting

Fossils
Geodes
Jewelry
Crystals
Activities for kids

DEALERS:
Over 20 Sellers

Free Admission!

February 28 – March 1, 2020
Hours: 10-6 Friday & Saturday 10-5 Sunday
JEFFERSON COUNTY FAIRGROUNDS
15200 W. 6th Ave. – (W. 6th Ave. & Indiana, Golden)

No food available onsite; restaurants nearby
Grab Bag Sales proceeds applied to scholarship at Colorado School of Mines
Sponsored by the DENVER GEM AND MINERAL GUILD

www.denvergem.org
Photos: Robert Johnson
2020 ANTHEM GEM AND MINERAL SHOW

SATURDAY MARCH 21 9 AM - 5 pm
SUNDAY MARCH 22 10 PM - 4 PM

ANTHEM SCHOOL
41020 N. FREEDOM WAY, ANTHEM

BRING THE KIDS!
kids corner: lots to do
egg cartons, games, prizes, hands-on

VENDORS
jewelry, gems, minerals, fossils, beads, wire
wrapping, geodes and more

raffles & door prizes

special ultra violet display
experts will identify your rocks

adults $3, seniors and students $2
kids 12 and under are free

Sponsored by
Daisy Mountain Gem and Mineral Club

For more information contact:
Ed Winbourne (978-460-1528)
Email: ewinbourne@gmail.com
2020 Sublette County Rock Hounds
Annual Gem & Mineral Show
hosting both the annual
WSMGS Show and RMFMS Convention

June 19, 20, & 21, 2020
Friday, 9 am - 5 pm
Saturday, 9 am – 5pm
Sunday, 9 am – 4pm

Admission: $2.00
Children under 12 free with a paid Adult

Show & Convention Location
Sublette County Fairgrounds
Event Center & Community Hall
10937 Hwy 189
Big Piney, Wyoming 83113

Door Prizes  Raffles  Exhibits  Fluorescent Mineral Display  Field Trips
Knapping  Wire Wrapping  Faceting  Cab Making  Fossil Preparation
Gold Panning  Rock Identification  Wyoming Geological Survey

Silent Auctions  Dig For Topaz  Find A Rock  Wheel of Fortune  Paint a Rock

"Spike" - the animated fish fossil  Mr. Bones - Dinosaur Puppeteer

Rough Rock  Slabs  Cabochons  Opals  Petrified Wood  Jade
Jewelry  Fossils  Specimens  & More!!!

"Rock & Roll with Wyoming Rocks"
2020 Sublette County Rock Hounds
WSMGS Annual Show information packet
“Rock & Roll with Wyoming Rocks”

President’s Letter 2020

I would like to thank WSMGS for this opportunity to host the 2020 annual State show in Big Piney, Wyoming in the heart of Sublette County. The Sublette County Rock Hounds (SCRH) are honored to be selected to serve the rock hounding community in this way! Additionally, I would like to express my appreciation for all who have helped make this convention and annual Wyoming State Mineral and Gem Society show a success; it takes many people contributing their ideas, expertise, and energy to put a project together. There have been many individuals involved from RMFMS, WSMGS, and SCRH – thank you to each one of you!

Our club and I are excited that this event will be in western Wyoming this year, and we believe many people from our region will attend the show, learn more about WSMGS and RMFMS, and experience first-hand the benefits of joining our organizations. Our activities during the show are designed to inform and entertain at all levels of knowledge in the fields of geology and lapidary, from novice to expert.

We expect that those who travel from other areas to attend will be pleasantly surprised by our friendly people, comfortable accommodations, fresh air, and amazing outdoor recreation opportunities. The convention at the Sublette County Fairgrounds is conveniently located near other towns, tourist destinations, rock hunting, fishing, museums, Fossil Butte National Monument, Grand Teton and Yellowstone National Parks, and major airports. Wyoming is a great place to explore, and we hope you enjoy your visit and find some wonderful rocks!

We look forward to seeing you at our show.

Jim Gray
SCRH President
2020 WSMGS Annual Show

ANNUAL POTLUCK

for club members, vendors, WSMGS and RMFMS delegates, and volunteers
provided by the Sublette County Rock Hounds

When: Thursday, June 18, 2020, 6pm
Location: Sublette County Fairgrounds Canopy Area
10937 Hwy 189
Big Piney, Wyoming 83113

LODGING IN & AROUND BIG PINEY-MARBLETON, WYOMING

BIG PINEY - MARBLETON

<table>
<thead>
<tr>
<th>Name</th>
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<th>Address</th>
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<tbody>
<tr>
<td>Marbleton Inn</td>
<td>307-276-5231</td>
<td>405 Winkleman Avenue</td>
<td>Hotel</td>
</tr>
<tr>
<td>Big Piney Motel</td>
<td>480-217-0677</td>
<td>216 S. Front Street</td>
<td>Motel</td>
</tr>
<tr>
<td>Country Chalet</td>
<td>307-276-3391</td>
<td>9 Hwy 189</td>
<td>Motel</td>
</tr>
<tr>
<td>Triple Peak Bed &amp; Breakfast</td>
<td>307-276-3408</td>
<td>116 Profit Road</td>
<td>Bed &amp; Breakfast</td>
</tr>
<tr>
<td>Rob's Roost</td>
<td>307-276-3611</td>
<td>23 E. 3rd Street</td>
<td>RV Park</td>
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<tr>
<td>Sublette County Fairgrounds</td>
<td>307-260-6443</td>
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PINEDALE

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<tr>
<td>Baymont Inn &amp; Suites</td>
<td>307-367-1424</td>
<td>1624 W. Pine Street</td>
<td>Hotel</td>
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<tr>
<td>Best Western Pinedale Inn</td>
<td>307-367-6869</td>
<td>864 W. Pine Street</td>
<td>Hotel</td>
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<tr>
<td>Chambers House Bed &amp; Breakfast</td>
<td>800-567-2168</td>
<td>111 W. Magnolia</td>
<td>Bed &amp; Breakfast</td>
</tr>
<tr>
<td>Gannett Peak Lodge</td>
<td>307-231-5755</td>
<td>44 N. Sublette Avenue</td>
<td>Motel</td>
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<tr>
<td>Hampton Inn &amp; Suites</td>
<td>307-367-6700</td>
<td>55 Bloomfield Avenue</td>
<td>Hotel</td>
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<tr>
<td>High Country Suites</td>
<td>307-367-5770</td>
<td>1133 W. Pine Street</td>
<td>Hotel</td>
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<tr>
<td>Lakeside Lodge Resort &amp; Marina</td>
<td>307-367-2221</td>
<td>Fremont Lake</td>
<td>Cabins</td>
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<tr>
<td>Lodge at Pinedale</td>
<td>307-367-8800</td>
<td>1054 W. Pine Street</td>
<td>Hotel</td>
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<tr>
<td>Log Cabin Motel</td>
<td>307-367-4579</td>
<td>49 E. Magnolia</td>
<td>Cabins</td>
</tr>
<tr>
<td>Pinedale's Cozy Cabins</td>
<td>307-367-3401</td>
<td>66 N. Madison</td>
<td>Motel</td>
</tr>
<tr>
<td>Rim Station RV Park</td>
<td>307-859-8229</td>
<td>milepost 129 on Hwy 191</td>
<td>RV Park</td>
</tr>
<tr>
<td>Rivera Lodge Bed &amp; Breakfast</td>
<td>307-367-2424</td>
<td>442 W. Marilyn Street</td>
<td>Bed &amp; Breakfast</td>
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<tr>
<td>Sundance Motel</td>
<td>307-367-4789</td>
<td>148 E. Pine Street</td>
<td>Motel</td>
</tr>
<tr>
<td>Wagon Wheel Motel</td>
<td>307-367-2871</td>
<td>407 S. Pine Street</td>
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LABARGE

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<tr>
<td>Wyoming Inn</td>
<td>307-386-2654</td>
<td>129 W. Birch Creek Road</td>
<td>Motel</td>
</tr>
<tr>
<td>Red Cliff Motel</td>
<td>307-386-9269</td>
<td>129 E. 4th Avenue</td>
<td>Motel</td>
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DANIEL

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<tbody>
<tr>
<td>Daniel Junction</td>
<td>307-859-8274</td>
<td>11072 Hwy 189 &amp; 191</td>
<td>RV Park &amp; Cabins</td>
</tr>
<tr>
<td>Location</td>
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<td>Phone</td>
<td>Address</td>
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<tr>
<td><strong>Timberline Lodge</strong></td>
<td>307-859-8339</td>
<td>807 Merna North Beaver Road</td>
<td>Lodge</td>
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<tr>
<td><strong>Wyoming Mountain Cabin</strong></td>
<td>307-223-2970</td>
<td>201 Merna North Beaver Road</td>
<td>Cabins</td>
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**BOULDER**

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<tr>
<td></td>
<td>Big Sandy Lodge</td>
<td>307-749-1401</td>
<td>Big Sandy Trailhead</td>
<td>Lodge &amp; Cabins</td>
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<tr>
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<td>Boulder Inn Motel</td>
<td>307-537-5480</td>
<td>8782 Hwy 191</td>
<td>Motel</td>
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<tr>
<td></td>
<td>Boulder Lake Lodge</td>
<td>307-537-5400</td>
<td>#48 Bridger Drive</td>
<td>Lodge &amp; Cabins</td>
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<tr>
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<td>Highline Trail RV Park</td>
<td>307-537-3080</td>
<td>8718 Hwy 191</td>
<td>RV Park</td>
</tr>
<tr>
<td></td>
<td>Wind River View RV Park &amp; Campground</td>
<td>307-537-5453</td>
<td>8889 Hwy 191</td>
<td>RV Park</td>
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**FARSON**

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<tr>
<td></td>
<td>Sitzman's Motel</td>
<td>307-273-9246</td>
<td>4072 Hwy 191</td>
<td>Motel</td>
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**KEMMERER / DIAMONDVILLE**

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<tbody>
<tr>
<td></td>
<td>Antler Motel</td>
<td>307-877-4461</td>
<td>419 Coral Street</td>
<td>Motel</td>
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<td></td>
<td>Best Western Fossil Country Inn &amp; Suites</td>
<td>307-877-3388</td>
<td>760 Hwy 189 - 30</td>
<td>Hotel</td>
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<td></td>
<td>Fairview Motel</td>
<td>307-877-3938</td>
<td>61 US Hwy 30</td>
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<td></td>
<td>Super 8</td>
<td>307-877-6901</td>
<td>3 US Hwy 189-30</td>
<td>Motel</td>
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</tbody>
</table>
Rocky Mountain Federation of Mineralological Societies

Credentials for Delegates and Alternate

Society Name: ______________________
City: _____________________________ State: ____________

Delegate: ____________________________
Print Name as it is to appear on credentials

Delegate: ____________________________
Print Name as it is to appear on credentials

Alternate: __________________________
Print Name as it is to appear on credentials

The above-named Delegates or Alternate have been chosen to represent this Society at the Annual Business Meeting of the Rocky Mountain Federation of Mineralological Societies at the House of Delegates Meeting to be held at: Big Piney, Wyoming, on June 20, 2020.

Society Secretary: ______________________
Printed Name

__________________________
Signature

Date: ______________________
Date Signed

Please Note: Delegates will only be allowed to vote if their Society is in good standing (see By-Law, Article X - Eligibility).

Reference: Articles of Incorporation, Article III, Membership, By-Laws, Article XIII, Credentials of Delegates, By-Laws, Article XIII, Use of Postage

This completed form must be returned to the RMFMS Credentials Committee Chair no later than One Hour before the Delegates Meeting.

If mailing prior June 1, 2020, mail to:
Janet Smith
Credentials Chair
P. O. Box 311
Hardtner, KS. 67057

After June 1, 2020, please bring this completed form with you and give it to the Credentials Chair at the Credentials Check-In location.
Rocky Mountain Federation of Mineralogical Societies

PROXY FORM

Society Name: ________________________________

City: __________________ State: ____________

does hereby appoint

Name: ________________________________

as Proxy Delegate with full power to represent this Society at the annual House of Delegates Meeting of the Rocky Mountain Federation of Mineralogical Societies, to be held at Big Piney, Wyoming on June 20, 2020.

Society President: __________________

Printed Name

Signature

Secretary: __________________

Printed Name

Signature

Date: __________________

Date Signed

This completed form must be returned to the RMFMS Credentials Committee Chair no later than One Hour before the Delegates Meeting.

If mailing prior June 1, 2020, mail to:
Janet Smith
Credentials Chair
P.O. Box 311
Hardtner, KS 67057

After June 1, 2020, please bring this signed form with you and give it to the Credential Chair at the Credentials Check-in location.
2020 EXHIBIT / DISPLAY ENTRY FORM
WYOMING STATE MINERAL AND GEM SOCIETY STATE ROCK SHOW

Rock & Roll with Wyoming Rocks

Hosted by: Sublette County Rock Hounds
Display Setup: June 18, 2020, 10 am to 6 pm; Display Release June 21, 2020, 4pm
Show Dates: June 19-21, 2020
Show Times: Friday & Saturday 9 am to 5 pm, Sunday 9 am to 4 pm
Location: Sublette County Fairgrounds, Event Center, Big Piney, WY

WSMGS ANNUAL BUSINESS MEETING: Date/Time Thursday June 14, 2020 – 6:30P.M.
Location: Sublette County Fairgrounds, Community Hall, Big Piney, WY

PLEASE USE A SEPARATE EXHIBIT / DISPLAY ENTRY FORM FOR EACH DISPLAY

Rock Club or Individual[s]:
-Name(s):

-Mailing Address:__________________________________________ State:______ Zip:______
-City:__________________________________________
-Phone #:_____________________________ E-mail:

This Exhibit/display should be classified and grouped: (Circle only one choice on each line)
1. Exhibitor Group: Commercial/Dealer Amateur Junior Rock Club/Society
2. Type of Display: Competitive (to be judged) Noncompetitive (not judged)
3. Display Category:
   A. Peoples’ Choice-Rock Club/Society
   B. Fossils
   C. Rocks and/or Minerals
   D. Gemstones
   E. Lapidary Products
   F. Assorted/Mixed Display
   G. Educational

Signature Required: In order to display or exhibit at the WSMGS State Rock Show, it is agreed that all Rules and Regulations for Exhibitors/Display will be adhered to in order to participate in the WSMGS State Show.
Signature(s) of Exhibitor/Display
__________________________________________
Date Signed

Rock Club/Business Represented
__________________________________________

PLEASE RETURN THIS ENTRY FORM
-By the Deadline Date: June 1, 2020
-To: Jim Gray
   PO Box 1351, Big Piney, WY 83113
   Email pres@wsmgs.org
   Phone (307) 260-6442
**SCHEDULE**

June 13-16, 2020

Field Trips  Multi-Federation field trips to Blue Forest Petrified Wood, fish fossils (fee dig), and others. Led by Doug True (AFMS Inter-Regional Field Trip Chair).

Contact Doug True at dtruefossils12@yahoo.com for information about these multi-federation trips, and Jim Gray (Show Chair) for show information, including field trips during the show, at jimgray@wyoming.com, or rogerm@wyoming.com for field trip information.

<table>
<thead>
<tr>
<th>June 18, 2020</th>
<th>9am – 6pm</th>
<th>Exhibit Set-up</th>
<th>Sublette County Fairgrounds’ Event Center</th>
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</thead>
<tbody>
<tr>
<td>THURSDAY</td>
<td>9am – 4pm</td>
<td>Registration</td>
<td>Sublette County Fairgrounds’ Event Center</td>
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<tr>
<td></td>
<td>9am</td>
<td>Field Trip</td>
<td>Departing from Sublette County</td>
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<tr>
<td></td>
<td>5pm</td>
<td>Potluck</td>
<td>Fairgrounds’ Event Center</td>
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<tr>
<td></td>
<td>6:30pm</td>
<td>WSMGS Business Meeting</td>
<td>Sublette County Fairgrounds’ Community Hall</td>
</tr>
</tbody>
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| June 19, 2020   | 9am – 4pm | Registration   | Sublette County Fairgrounds’ Event Center |
| FRIDAY          | 9am       | Show Opens     | Sublette County Fairgrounds’ Event Center |
|                 | 9am       | Judge’s Meeting | Sublette County Fairgrounds’ Community Hall |
|                 | 9am       | Field Trip     | Departing from the Fairgrounds’ Event Ctr. |
|                 | 1pm -     | Executive Committee Senior Center, 429 E. 1st Street, Marbleton Meeting |
|                 | 5pm       | Show Closes    | Sublette County Fairgrounds’ Event Center |

| June 20, 2020   | 7am       | Editor/Webmaster | Senior Center, 429 E. 1st Street, Marbleton |
| SATURDAY        | 9am       | Breakfast        | Senior Center, 429 E. 1st Street, Marbleton |
|                 | 9am       | Show Opens       | Sublette County Fairgrounds’ Event Center |
|                 | 9am       | Field Trip       | Departing from the Fairgrounds’ Event Ctr. |
|                 | 10am - 11am | Judges’ Exhibit Conference | Sublette County Fairgrounds’ Community Hall |
|                 | 1pm – 4pm | Delegates Meeting | Senior Center, 429 E. 1st Street, Marbleton |
|                 | 5pm       | Show Closes      | Sublette County Fairgrounds’ Event Center |
|                 | 5pm – 6pm | Happy Hour       | Southwest Sublette Pioneers Senior Center |
|                 | 6pm       | Awards Banquet   | Southwest Sublette Pioneers Senior Center |

| June 21, 2020   | 9am       | Show Opens       | Sublette County Fairgrounds’ Event Center |
| SUNDAY          | 9am       | Field trip       | Departing from the Fairgrounds’ Event Ctr. |
|                 | 4pm       | Show Closes      | Sublette County Fairgrounds’ Event Center |
|                 | 4pm       | Exhibits Release | Sublette County Fairgrounds’ Event Center |

Daily during the Show there will be field trips and lectures; a schedule of events will be available near the Show entrance at the Information Table.
Gem & Mineral Show 2020

Theme: Rock & Roll with Wyoming Rocks

Hosted by the Sublette County Rock Hounds

June 19th, 20th, & 21st

at the Sublette County Fairgrounds
10937 Hwy 189, Big Piney, Wyoming

Friday & Saturday 9-5, Sunday 9-4

Dealers, lectures, demonstrators, exhibits, field trips, Mr. Bones, Fossil Butte National Monument walking fish fossil, fluorescent mineral display, kids’ activities, food concession & more!

Admission: $2.00 adults, kids free

and a funding contribution made by Pinedale Travel & Tourism Commission www.VisitPinedale.org
# 2020 RMFMS Board and Committees

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