

The Lake George Gem and Mineral Club -

Club News

June, 2017



Please Note: Membership in the Lake George Gem & Mineral Club is now closed for 2017. Non-members are welcome to attend meetings but not field trips.

Program for the month: Saturday June 10, 9AM:

At 9 AM on June 10 at the Lake George Community Center, we will have a short business meeting and then car pool to the Badger Flats area to collect barite, fluorite, magnetite, and other minerals. Please access your MemberPlanet account to register and for information about what to bring, etc. **As with any other field trip, this is weather dependent!**

Coming Events

✓ ✓ Several mineral, fossil, and geology clubs meet relatively nearby and encourage visitors. These include:

> **Cañon City Geology Club**, meets on the 2nd Monday of the month at 6PM in the United Methodist Church, Cañon City;

> **Colorado Springs Mineralogical Society**, meets on the 3rd Thursday of each month at 7PM in the Colorado Springs Senior Center, 1514 N. Hancock Ave., Colorado Springs;

> **Columbine Gem & Mineral Society**, meets on the 2nd Thursday of each month, 6:30PM in the meeting room, Mt. Shavano Manor, 525 W. 16th (at J St.), Salida;

> **Pueblo Rockhounds**, meets on the 3rd Thursday of each month at 6:30PM in the Westminster Presbyterian Church, 10 University Circle, Pueblo.

✓ ✓ **Pete Modreski** and others sent notices of the following upcoming events:

Fri.-Sat.-Sun., June 2-4, Pikes Peak Gem & Mineral Show, sponsored by the Colorado Springs Mineralogical Society. At Mortgage Solutions Financial Expo Center, 3650 N. Nevada Ave., Colorado Springs. 10-5 Fri. & Sat., 10-4 Sun.

June 8-11, Fairplay Contin-Tail rock, gem, and mineral show, MiddleFork RV Resort, 255 Highway 285, Fairplay, CO; see www.facebook.com/ContinTail.

June 16-18, Victor, CO Gem and Mineral Show, Victor, CO; see <http://victorcolorado.com>

Sunday, June 25, a geologic field trip through South Park, led by Peter Barkmann, Colorado Geological Survey. A one-day field trip sponsored by the Florissant Scientific Society; all are welcome to attend. Details are still TBA. The trip will generally follow the route of a trip Peter led during the 2016 Geological Society of America annual meeting,

Sat.-Sun., July 15-16, The Florissant Scientific Society will hold its annual multi-day event at the Bear Basin Ranch in southern Colorado, south of Canon City. "Gary Ziegler, ranch owner and international archeologist will show us the culturally modified trees there and tell us about his work in Peru. There is a cabin where 6-8 people can bed down for the night. Campers are welcome. You can look at the Bear Basin Ranch's website to get a feel for the ranch. Other accommodations are available in Westcliffe and Florence. More information, including costs, to come later." See <http://www.fss-co.org/> for future info to be posted.

Fri.-Mon., July 21-24, Gold and Silver Deposits in Colorado. The symposium will take place in Berthoud Hall on the Colorado School of Mines campus (plus field trips), Thursday evening through Monday, July 20-24, 2017. It will consist of: Thursday, July 20, Welcoming Party at the Colorado School of Mines Geology Museum, 5 to 8 p.m.

Friday, July 21, Field trips (to any of 4 locations)

Saturday, July 22, Lecture presentations + a poster session, 8:15 a.m. to 5:30 p.m.; 6:30, banquet at the Table Mountain Inn, Golden (southwest style fajita buffet dinner) with a speaker, Ed Raines, "Silver as a precious metal from the Greeks to today".

Sunday, July 23, Lecture presentations, 8:45 a.m. to 4:30 p.m.

Monday, July 24, Field trips (to any of 4 different locations).

The talks at the symposium will encompass a mixture of geology, mining history, mineral exploration, and mineralogy, all on aspects of gold and silver deposits in Colorado. We believe the program will be of interest to those with a wide range of interests relating to Colorado's history of gold and silver mining.

Full information, including a registration form and detailed description of all the field trip choices, can be found at this link, <https://tinyurl.com/goldsymposium>, which will take you to a page of the website of the Friends of Mineralogy, Colorado Chapter. Registration fee for the symposium is \$100; for full-time graduate or undergraduate students, \$50. There will be a \$40 charge for each day's field trip you choose to go on, and the optional Saturday evening banquet cost is \$40. Only symposium registrants are eligible to go on the field trips. Registration will include: a copy of the program/abstracts volume, the field guidebook volume, attendance at the welcoming party (spouses/partners are invited to attend also), and coffee, soft drinks, and snacks during morning and afternoon breaks. The field trip choices include:

Friday July 21:

A. Jamestown; including an underground mine visit

C. Georgetown/Empire (including a ride on the Georgetown Loop Railroad)

E. Alma/Fairplay area

G. Central City/Black Hawk/Idaho Springs

Monday July 22:

B. Caribou area, Boulder county, including an underground mine visit

D. Leadville

F. Cripple Creek

H. Aspen, including an underground mine visit

To register, one must print out and mail in the registration form with a check, as per the instructions on the website. Attendees can preregister for the symposium through June 30. Onsite registrations will be accepted if space is available; attendance is limited to 140 by capacity of the meeting hall. You must preregister to attend any of the field trips. Attendance on each field trip may be limited to approximately 20 persons or to a number determined by the field trip leader.

Aug. 4-6, Creede Rock & Mineral Show, at the Creede Underground Mining Museum and Community Center, Creede, Mineral County, CO. 10 a.m. – 5 p.m. daily; see <http://creederocks.com/>.

Aug. 10-13, Contin-Tail rock & mineral show, Buena Vista Rodeo Grounds, Buena Vista, CO; see www.facebook.com/ContinTail

Aug. 17-20, Woodland Park Rock, Gem, & Jewelry Show, Woodland Park, CO; see <https://www.facebook.com/woodlandparkrockandgemshow/>

Aug. 18-20, Lake George Gem & Mineral Show, sponsored by the Lake George Gem and Mineral Club, Lake George, CO. See <http://www.lggmclub.org/>; set-up will be on August 12.

Lake George Gem and Mineral Club

June, 2017

Sep. 8-16, Colorado Mineral and Fossil Fall Show, Crowne Plaza Hotel - Airport, 15500 E. 40th Ave. Denver, CO.

Sep. 9-17, Denver Coliseum Mineral, Fossil, and Gem Show, Denver Coliseum; see <http://www.coliseumshow.com/>

Sep. 13-16, Denver Fine Mineral Show, Denver Marriott West, 1717 Denver West Blvd.; see <http://finemineralshow.com/denver/>

Sep. 15-17, 50th annual Denver Gem and Mineral Show, Denver Mart, 451 E 58th Ave., Denver, CO. **Gold and Silver** is the 2017 show theme. See <http://denvershow.org/wp/>

Nov. 11-12, 38th annual New Mexico Mineral Symposium, at New Mexico Institute of Mining & Technology, Socorro, NM; see <https://geoinfo.nmt.edu/museum/minsymp/home.cfm>

Nov. 17-19, Denver Area Mineral Dealers Show, Jefferson County Fairgrounds, Golden CO.

✓ ✓ **Bob Baker** sent this note about this summer's field trips:

2017 Field Trips

June 3: **CANCELLED** Sedalia Copper mine (almandine garnet/other minerals) (steep hike in)

June 7: Arroya gulch (gemmy almandine garnet) (easy)

June 10: Badger Flats (magnetite/fluorite/barite/malachite) (easy)

NEW: June 15: St. Peters dome fluorite locality (easy)

June 17: Blue Moon (smoky quartz/amazonite) (Karen Vogl claim)

June 18: Calumet mine (epidote/quartz xls./magnetite/corundum) (steep slopes; large area)

June 24: Topaz Mountain mine (topaz) (easy; \$50 fee) (Dorris claim)

July 19: Smoky Hawk claim (amazonite/smoky quartz) (Dorris claim)

July 26: Badger Flats (magnetite/fluorite/barite/malachite) (easy)

July 29: Harvey blue barite mine (barite) (easy)

August 2: Mushroom gulch (jasper)

August 9: Spruce Grove (topaz) (moderate hike at 9000 ft.)

August 12: Specimen/Sentinel rock (fluorite/amazonite/quartz) (extreme hike)

August 26: Eureka mine (fluorescent zircon/riebeckite/astrophyllite) (moderate walk)

Sept. 8-10: Great Salt Plains (gypsum crystals) (3-day trip to Oklahoma)

Bob Baker

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✓ ✓ This item came from blacklabaccounting@gmail.com and Independence Gems (I'm not sure who that is):

It's that time of the year again--the **Colorado Springs Mineralogical Society will be holding its annual Pikes Peak Gem Mineral & Jewelry Show** June 2-4, 2017. This year's featured displays will be about pyrite and its many forms!! There will also be a talk each day, including **Bob Carnein** on Friday at 2:00: "Eye Candy of the Mineral World: the Pyrite Connection".

The show has moved and will be held at the **Mortgage Solutions Financial Expo Center at 3650 N Nevada Ave., Colorado Springs CO 80907**. Admission for ages 13 years-Adults is \$5 or a 3-day pass for \$8, Children 12 & under are free. Dates and times are: Jun 2-3, 2017, 10 a.m. to 5 p.m., Jun 4, 10 a.m. to 4 p.m.

There will be over 50 vendors with everything rock and mineral related: Colorado, US, and International gems and minerals, fossils, meteorites, sculptures, metaphysical items, jewelry, cabochons, facet gems, lapidary, and more.

Lake George Gem and Mineral Club

June, 2017

Check out the exhibits, kids' activities, door prizes, auctions, and guest speakers. There is something for everyone at this show.

✓ ✓ Some nice fluorites were found at the Patience/Piety claims on May 13 by **Todd Mattson** and “**RJ**” (?). Here are some pictures of those and of a superb fluorite found last year by **Dave Alexander**:



Dave's fluorite (left) and Todd's new finds (right)

✓ ✓ ...and new member **Karen Johnson** sent these pictures of members and Pebble Pups at the Patience and Piety claims:



✓ ✓ **Bob Baker** sent a report on the Baculite Mesa trip, held jointly on May 24 with the Cañon City Geology Club:

Baculite Mesa Field Trip May 24, 2017

Eleven members of the Lake George Gem & Mineral Club as well as 20+ members of the Canon City club went to Baculite Mesa on a great field trip. Everyone found their share of baculite fossils along with numerous clam fossils, several small ammonites, and some nice calcite crystals.

The members spread out over a large area which had not previously been hunted for fossils. Digging was not necessary as there were fossils lying on the surface begging to be picked up. We all collected as many as we wanted and were very satisfied with the day's work. A few people were very lucky to find small ammonites in the teepee buttes that dot the landscape.

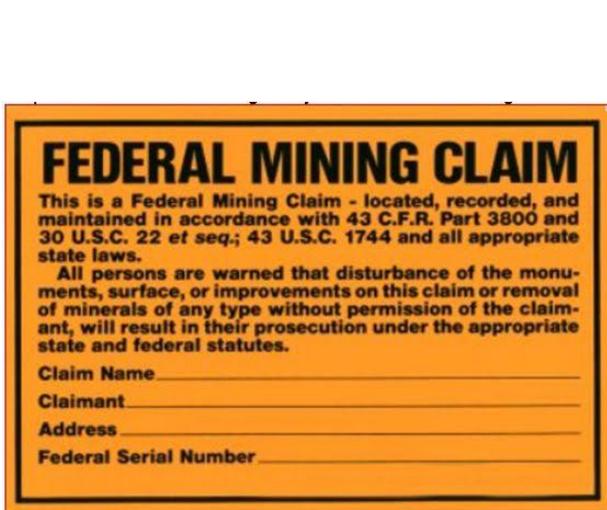
We wish to thank Harvey Smith for graciously allowing our clubs the wonderful opportunity to collect these fossils on his property.

✓ ✓ **Norma Engelberg** sent these photos of participants on the Baculite Mesa trip:



✓ ✓ **John Rakowski** sent this item about re-marking the Club claim:

We installed an "offset marker" to the common NE Corner Piety/NW Corner Patience claims, with the marker exactly 14 feet due east of the rebar marking the actual point. The post is labeled with both claims and has an attached metal sign with the CMC numbers of the claims and the addresses of the LGGMC and DGMG. The sign and post are shown below. This is in the vicinity of the quartz blowout with fluorite where we have had trouble with trespassing, and we hope this will minimize the problem.



18th Annual Lake George Gem & Mineral SHOW!



www.LGGMclub.org

AUG. 18-19-20, 2017

FREE Admission! FREE Parking!!

Located in beautiful
Lake George, Colorado on Hwy 24

*Local Specimens, Rocks,
Minerals, Fossils, Gems, Beads,
Jewelry, Lapidary & More!*



Scan to view our Website!

✓ ✓ **Steve Veatch** sent this great news about a Pebble Pup from Colorado Springs:

Now, for exciting news. **Jenna Salvat**, our CSMS pebble pup, won second place in her division (energy) at the International Science Fair. This is significant as she competed against over 6,000 student entries from all of the US states and from foreign countries. Jenna is also a member of the Colorado Scientific Society.

✓ ✓ **Dan Alfrey** sent this item; watch for more information when the officers have a final plan:

Long time LGGMC member & past club president **Maury Hammond** of Woodland Park wishes to **Donate his entire 'Gold Mining' setup of many many pieces of equipment** to the LGGMC.

He asked me to bring this up with the LGGMC Officers. I agreed. *It was his hope that the LGGMC can generate \$1,000 from the Sale of this like-new Equip., maybe offer it to the LGGMC Membership 1st.*

The officers are considering some options that would provide Maury with a tax deduction for his donation.

✓ ✓ **Wayne Orlowski** sent several interesting links, including the following:

Alternative science - Does this suggest that dinos will rise again along with the Confederacy? What do you think?

Lake George Gem and Mineral Club

June, 2017

[http://www.atlasobscura.com/places/dinosaur-kingdom?utm_source=Atlas+Obscura+Daily+Newsletter&utm_campaign=ece9871d12-EMAIL_CAMPAIGN_2017_05_08&utm_medium=email&utm_term=0_f36db9c480-ece9871d12-63289333&ct=\(Newsletter_5_8_2017\)&mc_cid=ece9871d12&mc_eid=4c09dd6067](http://www.atlasobscura.com/places/dinosaur-kingdom?utm_source=Atlas+Obscura+Daily+Newsletter&utm_campaign=ece9871d12-EMAIL_CAMPAIGN_2017_05_08&utm_medium=email&utm_term=0_f36db9c480-ece9871d12-63289333&ct=(Newsletter_5_8_2017)&mc_cid=ece9871d12&mc_eid=4c09dd6067)

...and this:

A cool climate, sulfur and volcanism may have thrust the planet into an extreme glacial state:

<https://www.scientificamerican.com/article/a-new-idea-on-how-earth-became-a-giant-snowball/>

✓ ✓ and Paul Combs sent this one:

I heard about this Montana glacier decades ago when I was in college and I always wanted to see it. Now, it looks like time is running out for me to get there*.

It is only 10% of what it was 100 years ago. Very interesting article!

[http://www.atlasobscura.com/places/grasshopper-glacier?utm_source=Atlas+Obscura+Daily+Newsletter&utm_campaign=3801cec6b1-EMAIL_CAMPAIGN_2017_05_23&utm_medium=email&utm_term=0_f36db9c480-3801cec6b1-63289333&ct=\(Newsletter_5_24_2017\)&mc_cid=3801cec6b1&mc_eid=4c09dd6067](http://www.atlasobscura.com/places/grasshopper-glacier?utm_source=Atlas+Obscura+Daily+Newsletter&utm_campaign=3801cec6b1-EMAIL_CAMPAIGN_2017_05_23&utm_medium=email&utm_term=0_f36db9c480-3801cec6b1-63289333&ct=(Newsletter_5_24_2017)&mc_cid=3801cec6b1&mc_eid=4c09dd6067)

You can come up with your own theory about disappearing glaciers.

I personally prefer *****'s idea that disco music initiated rapid, unstoppable atmospheric heating in the 1970's.

✓ ✓ ...and here's one from your editor:

Big Sur landslide highlights earthquake vulnerability of magnificent California coast
By Volkan Sevilgen

<http://temblor.net/earthquake-insights/big-sur-landslide-highlights-earthquake-vulnerability-of-magnificent-california-coast-4205/>

✓ ✓ **Bruce Geller** sent his latest Museum Musings about happenings at the CSM Geology Museum:

Colorado School of Mines (CSM) Geology Museum Musings

Greetings Museumophiles! Our Museum has undergone some infrastructural changes for the better. An improvement was the arrival of 20 large mineral storage cabinets from the Denver Museum of Nature and Science (DMNS). These are vastly better than the old wooden shelving we've been using for over a century. We absolutely appreciate this DMNS donation.

Our 2017 visitor data from the start of the year through April 30th indicate that we have had a 7% increase in guests compared to the same period in 2016. Visitors have come from 49 states and 25 foreign countries. Our guided tours this year total 50, which is 16% less than a year ago. I do not have an update on our loaned specimen that was stolen from the Colorado Capital building last August.

One of the more interesting 2017 events in our Museum was a reception by the Denver Lyric Opera Guild, with talented musicians and singers. Some of you heard that we received a huge mineral and cash donation from the Hilja K. Herfurth Estate last August. Hilja was a member of the Denver Lyric Opera Guild, so it was only fitting for them to rent our Museum. Their members certainly enjoyed seeing some of the Herfurth donations. You can bet that the air was full of music, conversation, and good times that evening!

Lake George Gem and Mineral Club

June, 2017

Our Museum was pleased to display at the Western Interior Paleontology Society Symposium and at the Ft. Collins Mineral Show this spring. We hope to exhibit in the Colorado Springs Mineral Show in June.

I'm proud to report that I attended the Tucson Gem and Mineral Show in February and the Rochester Mineral Symposium in April. Much of my time was spent promoting our Museum, attending meetings and dinners, examining educational displays, and visiting with people.

Along those lines, Sandra Gonzalez of Rocky Mountain Gems and Minerals provided our Museum a free sales booth at her Colorado Mineral and Fossil Show in April, which allowed us the chance to experiment with sales of higher-end specimens directly to the public. Over the course of the weekend, we raised over \$1600 that way. In addition, there was a major fundraiser with silent and verbal auctions of materials donated by 63 dealers that raised us another \$3400, for which we are very grateful.

Our spring Garage Sale was well attended, despite very snowy conditions. We received a large gift of thousands of maps from the Arthur Lakes Library, as well as hundreds of U.S.G.S. folios, which pleased many of our guests. Total sales were just under \$5900.

One of the new exhibits we will erect this summer is a group display of Colorado quartz. **If you are interested in loaning one of your prize Colorado quartz specimens to us for one year, please search your collections and bring one or two to the Museum before July 15th.** These should not be too large in size, and we don't mind if these were self-collected, traded, or purchased by you. We are including all quartz crystal varieties, meaning amethyst, colorless (=rock crystal), milky, rose, and smoky but NOT cryptocrystalline quartz varieties like agate, bloodstone, carnelian, chalcedony, chert, dino bone, jasper, or petrified wood. They must be Colorado quartz crystal specimens that you own. We have limited display space, so we will choose the very best from all of the candidates we receive.

We plan to host a Colorado Precious Metals Deposits symposium on our campus July 21-24, 2017. Our Museum is one of many sponsors of the Symposium. There will be two days of lectures and two days of field trips. Symposium registration is \$100, with additional fees for field trips and for the banquet. Registration material and information is available at: <http://friendsofmineralogycolorado.org/gold-and-silver-deposits-in-colorado-a-symposium>.

Good news! CSM has recently announced that our first Campus parking garage will begin construction soon, immediately south of our Museum. It may take two years to complete, but the goal is to alleviate the parking deficit at the north end of Campus. This will not only help our Museum, but also the Library, and other nearby facilities. This should please our guests immensely.

Come visit our Museum during normal hours: Monday – Saturday 9 A.M. to 4 P.M. or Sundays 1 P.M. – 4 P.M. We may be closed on Memorial Day and Independence Day weekends, so call ahead to confirm that we are open. Over the summer, you may enjoy seeing some of the new exhibits arriving in time for our Annual Open House. This year that event will be held on September 13th from 6-9 P.M., admission is free, and the public is welcomed.

As always, admission to our Museum is free, but parking fees are required in our parking lots and on campus streets Mondays through Fridays before 5 P.M. Parking is free on neighborhood streets from May 15th –August 15th, if cars are parked in front of residential houses.

Bruce Geller
303-273-3823

✓ ✓ This came in from **Beth Simmons**:

PLEASE HELP PRESERVE THE MATCHLESS MINE IN LEADVILLE AT:
[https://www.coloradogives.org/Save the Matchless Headframe](https://www.coloradogives.org/Save_the_Matchless_Headframe).

Matchless Mine Headframe Rehabilitation

[National Mining Hall of Fame and Museum](#)

The headframe at the historic Matchless Mine in Leadville, CO, is in dire need of rehabilitation. The 125-year-old headframe is the tall wooden structure used to raise and lower miners and materials in the mine

Lake George Gem and Mineral Club

June, 2017

shaft. Help preserve the legend of Baby Doe Tabor and this iconic mine by repairing the headframe, a critical part of this landmark on the National Register of Historic Places.



✓ ✓ And here is the latest installment of “Bench Tips” by Brad Smith (www.BradSmithJewelry.com):

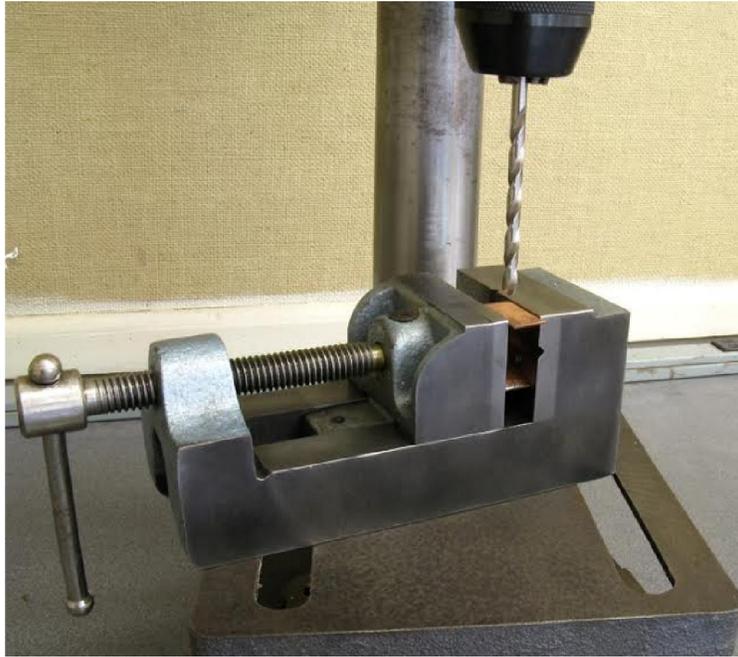
DRILL-PRESS VISE

A drill-press vise is a versatile tool to hold a workpiece securely and in precise alignment. It reduces the risks of working with high power motors, use of larger drill bits, and higher heat generated in the operation. The vise can be clamped to the drill press table if needed and is quite handy for use at the bench to hold things for sawing or riveting.

You can find them at stores that carry machine tool supplies. My feeling is that the best ones are made from steel. In particular, I like the ones with V grooves cut into the jaw plates. That lets me hold a punch straight upright or hold a rod horizontal. To find a supplier, search on "drill press vise" at sites like micromark.com mscdirect.com/enco smallparts.com grizzly.com sears.com

DENTAL GOLD

You might think that a couple pieces of dental gold would be valuable, but if you only have a small amount, it can be a problem. Sending it to a refiner is expensive for small amounts of metal. I made the mistake of thinking I could melt it and roll out my own sheet. However, the trace metals that dental gold contains to make it a good material in your mouth cause it to crack if you try to forge it or roll it out as a sheet. It ruined my whole ingot.



So what to do with a couple gold crowns? A reasonable alternative is to try incorporating the metal into your jewelry. If you have enough material to do a casting, that's probably the best use for dental gold. If you're not into casting, try melting it on a solder pad and while molten, divide it into small pieces with your solder pick. Then re-flow each piece to make little gold balls for use as accents on your designs. The balls can also be planished a bit to make small discs or struck with a design stamp to add texture.

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See all Brad's jewelry books at [Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)

Notes from the Editor

Bob Carnein, Editor
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I'm afraid that a perfect storm of activities has taken over my life this month, and I didn't have time to come up with a newsletter article (and none of you submitted one). As a result, this is the end of this month's newsletter. I have a couple of ideas for July articles, so watch this space (and, at 10 pages, it's about average).

Lake George Gem & Mineral Club
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Lake George, CO 80827



The Lake George Gem and Mineral Club is a group of people interested in rocks and minerals, fossils, geography and history of the Pikes Peak/South Park area, Indian artifacts, and the great outdoors. The Club's informational programs and field trips provide opportunities to learn about Earth science, rocks and minerals, lapidary work and jewelry making, and to share information and experiences with other members. Guests are welcome to attend, to see what we are about!

The Club is geared primarily to amateur collectors and artisans, with programs of interest both to beginners and serious amateurs. The Club meets on the second Saturday of each month at the Lake George Community Center, located on the north side of US Highway 24 on the east edge of town, sharing a building with the county highway shops. **In the winter, we meet at 10:00AM. From April through October, we meet at 9:00AM, to allow more time for our field trips.**

Our organization is incorporated under Colorado law as a nonprofit educational organization, and is a member of the Colorado, Rocky Mountain, and American Federations of Mineralogical Societies. We also sponsor an annual Gem and Mineral Show at Lake George, where collectors and others may purchase or sell rocks, minerals, fossils, gems, or jewelry. Annual membership dues (Jan. 1 through Dec. 31) are \$15.00 for an individual (18 and over), and \$25.00 for a family (parents plus dependents under age 18).

Our Officers for 2017 are:

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