

# The Lake George Gem and Mineral Club -

**Club News,**  
**July, 2015**



**Meeting Time 9:00 AM! Important: We will vote on revisions to the Club by-laws at this month's business meeting.**

**Program for the month: Saturday July 11 business meeting followed by field trip.**

Our monthly business meeting starts at 9 AM and should finish by 9:30 or so.

After the meeting, members will gather outside to drive to an amazonite/smoky quartz locality owned by the Dorris family in the Lake George area. **Anyone attending this trip will need to bring lunch or snacks, plenty of water, and collecting equipment.** The trip leaders will be **John Rakowski and Todd Mattson**. Contact them if you have questions regarding logistics.

## **Please Welcome the Following New Members**

Bob & Mary Jane Barth  
David Brady  
Donald Brockway  
Paul & Nancy Desilets  
Barbara Eahehart  
Christopher Evey  
Alfred Fein  
Casey Gordon  
Laurie & Gary Gregory  
Nicole Gwaltney  
Sam Hays  
Steve & Susanne Leininger  
Warner & Leisa Massey  
James Maudsley  
Michael Maudsley  
John McClelland  
Mike & Ruth Melford  
Katherine Miezwa  
Tom Neal  
Emma Ravage  
David Smith  
R.J. Soto  
Debbie & Mike Stewart  
Pat Stiles  
Peggy Sziklas  
Jared Tadla

## Coming Events

**"Rock Sale by John Haney"**, 10-6 daily, 4246 Thompson Ct., Denver (books, lapidary material, etc.) E-mail [rocksisme@comcast.net](mailto:rocksisme@comcast.net) for information. ... July 10-12

**"Gunnison Mining and Mineral Symposium"**, Friends of the CSM Geology Museum fee charged; go to <https://www.facebook.com/LikeCSMGeoMuseum?fref=ts> for info. ... July 10-13

**Contin-Tail Rock Swap/Gem & Mineral Show**, rodeo grounds, Buena Vista; free admission and parking. ... Aug. 13-16

**"The Dynamic Early Paleozoic World of Colorado"** by Paul Myrow, 3 PM, Denver Museum of Nature and Science, VIP Room; free. ... Aug. 18

**Annual Lake George Gem & Mineral Show**, parking lot next to the Post Office, Lake George; free admission and parking. ... Aug. 21-23

**Denver Coliseum Mineral, Fossil, and Gem Show**, see <http://www.coliseumshow.com/>. ... Sept. 12-20

**Colorado (Fall) Mineral and Fossil Show**, Ramada Plaza Hotel (formerly Holiday Inn - Central Denver), 4849 Bannock St, Denver, CO; see [http://www.mzexpos.com/colorado\\_fall.html](http://www.mzexpos.com/colorado_fall.html). ... Sept. 13-20

**"The WHAT of conodont science: Insights into Permian oceans and beyond"**, by Charles Henderson, 3:00 p.m., DMNS Earth Science Seminar, Univ. of Calgary. Free lecture; museum admission not required. ... Sept. 15

**Denver Gem and Mineral show**, at The Denver Mart, 58<sup>th</sup> Ave. and I-25 (ext. 215) sponsored by the Greater Denver Area Gem and Mineral Council; dealers, exhibits by clubs, individuals and museums nationwide, lectures, demonstrations, and kids' activities; theme, "Minerals of the American Southwest". 9-6 Fri., 10-6 Sat., 10-5 Sun. See <http://www.denvermineralshow.com/>. ... Sept. 18-20

✓ ✓ **Suzanne Core** sent the following report on the recent wire-wrap class, offered by **Judy Paulsen**:

### WIRE-WRAP CLASS WRAPPED UP A HUGE SUCCESS

The 11 Club members who attended Judy Paulsen's 4-hour "basic" wire wrap class at the L. Geo. Community Center on June 6th had a fabulous time, learned a lot, and went home with TWO newly wire-wrapped pieces -- though most of us said "basic" was not the word we would have thought of, as we struggled with new materials and techniques, under Judy's expert step-by-step guidance. Judy, who is a member of our club as well as vice president of Columbine Club in Salida, graciously gave Club members a huge discount for the afternoon class, which is usually \$25 (itself a great price for a half day class at Judy's level of expertise and artistry)! Everyone said they would take the same class again. (I said "again...and again...and again...")

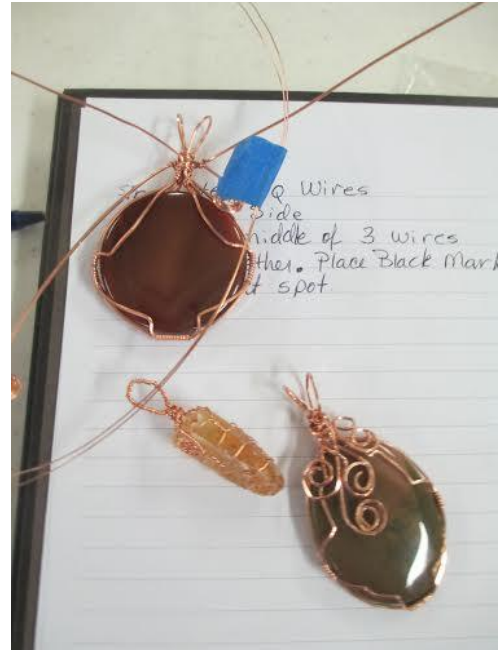
We worked with square copper wire (looked flat to me) and half-round, neither of which was familiar to me but the advantage of which was quickly seen. We began with a short video from You Tube (so we can access it anytime at home). After the video and introductory remarks from Judy, she led us through the first wire-wrap: a crystal or similar stone wrapped in a thin one-wire wrap. The real test of the day was the second piece: a fairly flat cabochon of choice, wrapped with three of the square copper wires bound with the half-round wire. It was a slow and complex process but Judy made sure each participant received individual attention and assistance at each step along the way so nobody felt rushed or abandoned.

The results were exciting, with at least some of the creations ready to wear or be put for sale. The class actually went a half hour long, so everyone could finish without pressure. The square wire is Lake George Gem and Mineral Club

**July, 2015**

fascinating to work with; Judy says it gives a smoother, more polished result than round wire. The copper wire is beautiful, although the square also comes in silver and gold (more expensive to work with so not a good choice to learn on).

THANK YOU, JUDY! We all appreciated your time, attention and expertise!



Judy Paulsen wire-wrap class. (photos by Suzanne Core)

✓ ✓ Here's a list of planned field trips, as of July 1:

- July 11: Amazonite/smoky quartz in Lake George area (TBA; **Joe Dorris; John Rakowski, Todd Mattson**)
- July 18: Petra Placer (**Rich Fretterd; Richard Kawamoto**)

- July 25: Devils Head (**John Rakowski, Todd Mattson**)
- August 1: Ace-In-The-Hole (**Rich Fretterd; Richard Kawamoto**)
- August 15: Topaz Mountain Gem Mine (fee; **Krystal & Joe Dorris**)
- August 20: **Dealer-only field trip (show vendors only)** (**Dan Alfrey**)
- August 29: South Park Blue Agate (fee; rsvp only; tba; **Dave Harvey**)
- Sept. 12: Goethite Hill (tentative)
- Sept. 26: Holcim Quarry (tentative)

✓ ✓ **Todd Mattson** sent these photos from the May trip to the Patience and Piety claims:



Three photos of fluorite from the Club claim. Note cleavage in the image on the right.



Happy collectors getting down and dirty.

✓ ✓ **Paul Combs** sent this report about the St Peters Dome fluorite trip:

We met at the Cheyenne Mountain High School parking lot at 0830 and departed at about 0850. Everyone was briefed on safety and a few people "bummed" rides in cars that had extra space. Todd Matson and his son, Taylor, were there and Todd collected the liability waiver forms after they had been filled out. He said a total of 34 or 35 people signed the forms.

I'd say 50% of the participants were from the Colorado Springs, Canon City and Pueblo Clubs. Our members seemed to welcome them into the group like long-lost relatives. Everyone got along great and I'd be surprised if some new friendships weren't formed. Lots of jokes, sharing tools, temporary partnerships, sharing snacks at lunchtime, etc.

SAFETY: No heat injuries, dehydration, bear attacks or hammered thumbs. But some people might have developed hernias from the loaded 5-gallon buckets and backpacks that I saw s-l-o-w-l-y staggering up and out of the gully where the "good stuff" was. On his last trip out, Todd Matson was moving like an Egyptian pyramid worker or an Auschwitz inmate. He looked worn-out.

Lots of smiles. Even the teenagers were showing their specimens around. I stayed until the last tired rock hounds climbed into their vehicles. Even the last tired club members were enthusiastic about what they were finding and what they had found. It was like leaving a Broadway musical, with everyone humming the show tunes. Plus, that view over the city is breathtaking.

✓ ✓ **Steve Veatch** sent this list of upcoming Pebble Pups trips and events:

## PIKES PEAK PEBBLE PUPS AND EARTH SCIENCE SCHOLARS FIELD TRIPS AND EVENTS

### **JUNE 11, 2015 Field Trip:** Cripple Creek and Victor Gold Mine, Cripple Creek, CO

9:00 am to 2:30 PM

We will meet at the CC&V visitor center on Bennett Avenue. Bring lunch, water, and collecting equipment. CC&V will provide a bus to the collecting sites that are full of collectible materials. This is a once-in-a-lifetime collecting opportunity. **Only 12 pre-registered Pebble Pups/EES may attend and board the bus.** In order to board the bus you must have a boarding pass that will be sent to you by return email from Steven Veatch. Parents will have to wait for the kids in Cripple Creek, where there are plenty of diversions. We will be able to collect fluorite, gold ore specimens, and carbonized wood fossils. We will also be able to make a collection of igneous rocks. To reserve your spot, you must email Steven Veatch at [steven.veatch@gmail.com](mailto:steven.veatch@gmail.com)

### **JULY 25, 2015 Event:** Florissant Heritage Days

10:00 am to 3:00 pm

In 1870, Judge James M. Castello moved his family from Fairplay to the Twin Creeks area and established a ranch and trading post. Two years later, Castello petitioned for a post office and named it Florissant (French for flower) after his hometown in Missouri. There were about 70 homesteaders in the area at the time. Today, an annual celebration called Heritage Day commemorates the area's rich history. This year's all-day event is scheduled for July 25. Heritage Day is the biggest event of the year in Florissant, a town with a population of about 100. As many as four times that amount is expected to flock to the area for the annual celebration. Visitors and local town folk are encouraged to head over to the Pikes Peak Historical Society Museum, Castello Street Coffee House, Florissant Cemetery, Hornbek Homestead and Old Historic School House. For even more excitement, one can head up to the Fossil Beds and get a glimpse of the distant past. The old Historic School House will be the focal point of the event. Pebble Pups and Earth Science Scholars will help man a tent and demonstrate rocks, minerals, and fossils. There will be a group trip to the Florissant Fossil Quarry to collect Eocene Age plant and insect fossils. At the conclusion of the Heritage Day we will stop by Veatch GeoScience offices and lab south of Florissant. Please email Steven Veatch if you plan on attending at [steven.veatch@gmail.com](mailto:steven.veatch@gmail.com)

### **AUGUST 8, 2015 Event:** Pikes Peak rocks, minerals, and fossils.

10:00 AM to 2:00 PM

The Cripple Creek & Victor Gold Mining Company has hired the Pikes Peak Pebble Pups to provide a day of rock, mineral, and fossil fun. We will be manning a demonstration booth. Your help is needed to man the tent in either 2 hour intervals or for the entire day. Please email Steven Veatch if you plan on attending at [steven.veatch@gmail.com](mailto:steven.veatch@gmail.com) if you can come and the shift you can work. The event will occur in front of the CC&V visitor center on Bennett Avenue in downtown Cripple Creek. After the event we will collect gold ore near the Vindicator Mine.

### **AUGUST 15, 2015 Field Trip:** Hartsel, Colorado

9:00 AM to 2:00 PM

We will meet at the little store in Hartsel (Trading Post) and will travel to a private ranch to excavate a large petrified wood stump. Some of the wood is a blue agate while other parts are opalized. Bring lunch, water, tools, and plastic buckets to haul away your petrified wood. This is a perfect field trip for the entire family. Please email Steven Veatch if you plan on attending at [steven.veatch@gmail.com](mailto:steven.veatch@gmail.com)

**SEPTEMBER 19, 2015 Field Trip: Denver Gem and Mineral Show**

10:00 AM to 2:00 PM

This will be the 5th annual tour, as a group, of the gem show in Denver. This includes a guided tour of all of the educational cases. We will then meet in the speaker's room at noon to listen to fellow Pebble Pups and Earth Science Scholars present their research. After the presentation we meet for lunch at the show. Please email Steven Veatch if you plan on attending at [steven.veatch@gmail.com](mailto:steven.veatch@gmail.com)

**OCTOBER 3, 2015 Field Trip: South Park Adventures**

10:00 AM until we are done

This will be a combined archaeological search for Indian and early cowboy line shack artifacts. We will also visit sites where we can collect botryoidal chalcedony, fluorescent chalcedony, scheelite (tungsten ore), zebra rock, actinolite, chert, blue quartz, trace fossils, and petrified wood. Of special interest are egg-shaped black chert nodules that are both very collectible and unusual. Meet at Wilkerson Pass at 10:00 am, Bring lunch, water, and tools. Please email Steven Veatch if you plan on attending at [steven.veatch@gmail.com](mailto:steven.veatch@gmail.com)

**NOVEMBER 7, 2015 Field Trip: to the Denver Museum of Nature and Science**

10:00 AM to 2 PM (Date is tentative)

This is the third annual behind-the-scenes tour of the museum. Because we will be visiting collections that are not available to the public, the tour is limited to only 20 Pebble Pups and Earth Science Scholars. This part of the tour is about one hour. Students will rejoin parents for lunch at the T. rex Café and a tour of the paleontology collections. The date is tentative. Please indicate your interest in this field trip by emailing Steven Veatch at [steven.veatch@gmail.com](mailto:steven.veatch@gmail.com)

✓ ✓ And here is the latest installment of "Bench Tips" by Brad Smith ([www.BradSmithJewelry.com](http://www.BradSmithJewelry.com)):  
**SOLDERING PRONGS**

I often use prongs to hold an irregular cab or other object on rings and pendants. But prongs can be a little tricky to solder. You have to find some way to hold them all upright while soldering, and the simple butt joint that looks strong sometimes breaks when you start to bend the prong over the stone. There's nothing worse than having a prong break off when you're setting the stone \*#~\*!

I solved both problems with one little trick. It holds the prongs in position while soldering and it gives you a stronger joint at the same time.

Locate and center punch the position for each prong. Then drill holes a little smaller than your prong wire. Sand a small taper on the ends of your prong wires and stand them up in the holes. The wires support themselves, soldering is easy, and the joint is stronger because of the increased soldering area.

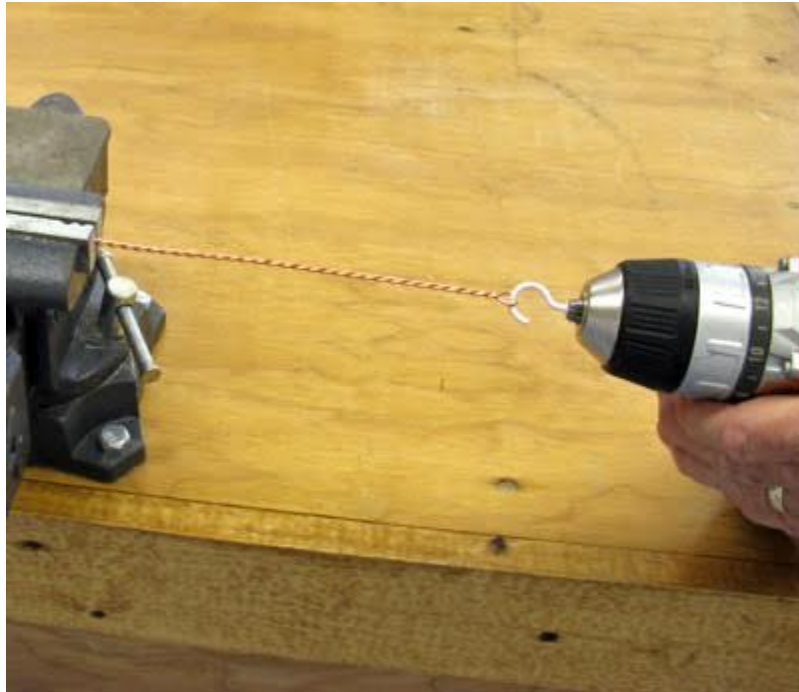
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**TWISTING WIRE**

Twisting wire can be done with an old hand drill but goes much faster with a power tool. My preference is to use a screw gun, although a Foredom should do well.

Just make a little hook out of coat hanger wire (or use a screw-in cup hook) and chuck it up in your screw gun. Grip the free ends of the wire in a vise and slip the looped end onto your hook. Keep a little tension on the wires as you twist.

Note that a power drill is too fast a tool for this unless you have one with variable speed.



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 Get all 101 of Brad's bench tips in "Bench Tips for Jewelry Making" on Amazon.

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**WOODLAND PARK**  
**ROCK, GEM and JEWELRY SHOW**

Thurs. - Sun. August 20th - 23rd, 2015

9:00am - 5:00pm

Located between Walmart and Burger King  
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**ROCK, GEM and JEWELRY AUCTION**  
**Fri, and Sat, 6:00 PM. OPEN TO THE PUBLIC**



More Info?  
 Kim and Bodie  
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Petrified Wood	Minerals
Beads	Jewelry
Cabs	Fossils

**Aug. 20-23, 2015**  
*16-th Annual*

# Lake George

## Gem and Mineral Show

[www.LGGMclub.org](http://www.LGGMclub.org)

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**9 am - 5 pm**





## Notes from the Editor

Bob Carnein, Editor

[ccarnein@gmail.com](mailto:ccarnein@gmail.com)

719-687-2739



This month, I'm pleased to include a historical article by **Steve Veatch** and **Andy Weinzapfel** about commercial mining for gems in the Crystal Peak area.

### The Crystal Peak Gem Company

by  
Steven Wade Veatch  
and  
Andy Weinzapfel

Just north of the small town of Florissant, Colorado is a prominent topographic feature shaped like an Egyptian pyramid. Early settlers knew this as Cheop's Pyramid or Topaz Butte. Today, it appears on maps as Crystal Peak, an important geological and historical point of interest.

The geology of the Pikes Peak region is dominated by the 1.07-1.09 billion-year-old Pikes Peak batholith, a large body of once-molten rock that was likely derived from the earth's deep mantle and injected upward to a depth of 3 miles or less below the surface. Crystal Peak is part of this batholith (Bryant, *et al.*, 1976). The Pikes Peak Granite, extending over an area of 1200 square miles, is exposed at the surface today only because the rocks that once covered it have gradually eroded away.

A common but erroneous belief is that Crystal Peak is an old volcano. Its pyramidal shape is actually due to differential erosion, a process whereby fine grained granite (aplite) on the peak weathers away more slowly than the surrounding coarser grained variant.

A number of remarkable minerals occur at and near this site in pegmatite (coarse-grained rocks of granitic composition) dikes that contain open pockets, or what geologists call miarolitic cavities. These cavities form near the earth's surface during the cooling of the parent magma, and allow room for the growth of well-formed crystals inside the cavities (Dietrich and Skinner 1979).

Exceptional mineral specimens from the Crystal Peak area can be found in many of the best national and international museums. Most notable are greenish or greenish-blue euhedral (smooth-faced) crystals of amazonite, a relatively rare and beautiful variant of a common mineral, microcline feldspar. Feldspar, along



**Figure 1. View of Crystal Peak from the Florissant Fossil Beds National Monument. Photo © S.W. Veatch.**

with quartz, is a major constituent of granite, the most abundant igneous rock found in continental mountain ranges. Smoky quartz is the black or brown variety of quartz. The color of smoky quartz is related to the small but ubiquitous amount of radioactivity that occurs in the surrounding granitic rock. Smoky quartz crystals from the area are a lustrous, opaque black. Fluorite is a late-crystallizing mineral in pegmatite pockets. Cubes are the most common crystal habit, and the crystals may be colorless to various shades of pale blue. Color zoning is present, and dark purple is noted along the edges of some fluorite cubes.

The Ute Indians were the first collectors of crystals from this area, used for spiritual purposes. Collectors have been working the area since the 1870s for amazonite, smoky quartz, fluorite, and other minerals (Wobus, 1976; Eckel, 1997). A. C. Peale, a member of the 1874 Hayden Survey, wrote about amazonite and smoky quartz crystals in the Pikes Peak region while in the area (Peale, 1873). In the 1870s, Dr. A. E. Foote of Philadelphia systematically explored the area, employing 19 men, and shipped many specimens back east. Arthur Lakes, who accompanied Samuel Scudder of Harvard University on an early paleontological investigation of the area, sketched the first regional geologic map of the Florissant valley while sitting on Crystal Peak.

Abram Joshua Randall wrote an article in the *Georgetown Centennial*, February, 1876, about the gem fields of Crystal Peak. It is also one of the earliest known accounts of the Crystal Peak pegmatites (brackets in the transcribed article are used to identify clarifying additions by the authors). The title of the article was: *A Fruitful Field for the Specimen Hunter*. Randall writes:

*“Florissant, in El Paso County, 35 miles west of Colorado Springs, is celebrated for the great variety and abundance of geological and mineralogical specimens found in its vicinity; and it has become a noted resort for tourists passing through that portion of the Territory. . . . Eight miles north-east of Florissant are the ragged peaks of the Crystal Mountains . . . . A range of rocky peaks, so named from the amount of crystals there found. In the last two years [discovery of locality circa 1874-5] many thousands of pounds have been taken out, the greater part of which have been sold in Manitou, Colorado Springs and Denver, but many have also been shipped east. The crystals formed there, are Smoky Quartz, Orthoclase, Adularia, Amazonstone, Green, Purple and White Fluor Spar, Specular Iron and also a few specimens of Amethystine Quartz, but these last are rare.*

*“These pockets contain from a single handful to several hundred pounds of crystals. From one pocket opened last September [1875], by Mr. Anthony, about 4,000 pounds were taken. Some of the Quartz crystals are of immense size; one taken out last spring by Mr. Disbrough, was about 4-1/2 feet in length, and 10 inches in diameter at the base, and is now in [Reverend Lewis] Hamilton’s Museum, in Denver [formerly of Central City in 1869]. During the summer [of 1875], several were found from 20 to 30 inches long.*

*“Last Summer and Fall [of 1875] there were from 25 to 30 miners here constantly, besides some thousands of tourists and excursionists. Deer were plentiful in the neighboring hills, the scenery grand and picturesque, thus inviting the hunter as well as the curiosity seeker to spend a few days among the sylvan shades of these everlasting hills.”*

In 1908, A. B. Whitmore established the Crystal Peak Gem Company north of Crystal Peak, a successful mining operation that developed a mineral property. The Crystal Peak Gem Company mined precious and semi-precious gemstones in the pegmatite cavities found on Crystal Peak. The company was incorporated in Wyoming. A company stock certificate (number 26, issued April 22, 1912) is signed by president Anna M. Saunders and Albert B. Whitmore as the secretary. Anna Saunders is listed in the 1906 Colorado Business Directory as the proprietor of Burlington House, 101 W. Masonic, Cripple Creek, Colorado. Burlington house was probably a boarding house serving the gold mining district.



**Figure 2. Early photo of the Crystal Peak Gem Company’s early operations on Crystal Peak. Notes on the photo: “Camp of the Crystal Peak Gem Co. G.W. Weed of the company on right. J.D. Endicott on left. Specimens of quartz, amazonite, etc. in shelves. Copley Dome, a granite knob, beyond. Photo date Aug. 1913. Photo by D.B. Sterrett. Credit: U.S. Geological Survey.**

The Mining Investor, in 1911, announced the Crystal Peak Gem Company was owned large acreage in Teller County, north of Florissant and “has sent its president and general manager A.B. Whitmore and three miners to perform annual assessment work on its claims on Crystal Peak (The Mining Investor).” The announcement continued by listing the gemstones found and that they were in demand.

According to the 1917 Biennial Report issued by the Colorado Bureau of Mines, small quantities of stones were produced by the Crystal Peak Gem Company, including amazonite, smoky quartz, clear quartz, topaz, and phenakite. Specimens from Crystal Peak and ore samples from the mines in Cripple Creek were sold in the curio stores of Denver and Cripple Creek. The Crystal Peak Gem Company conducted mine tours.

Successful collecting in the area continues today, as witnessed best by the discovery of several gigantic smoky quartz crystals on the Godsend Claim in 2002 by Rich Fretterd. These unique specimens currently reside in the Pikes Peak Historical Society museum in Florissant. More recently, an exceptional amazonite-smoky quartz cavity, known as the Icon Pocket, yielded possibly the finest known plate, or cluster, of these minerals in the world. This treasure was found on the Smoky Hawk Claim by the Dorris family. More crystal specimens await discovery in the Crystal Peak area.

#### **References Cited:**

Bryant, B., F. Barker, R. A. Wobus, and R.M. Hutchinson, 1976. Road Log, Pikes Peak Batholith Field Trip. In *Studies in Colorado Field Geology*, ed. by R.C. Epis and R.J. Weimer, 17-31. Colorado School of Mines Professional Contributions 8.

Dietrich, R. V., and Skinner, B.J., 1979, *Rocks and Rock Minerals*. New York: John Wiley & Sons,

Eckel, E. B., 1997. *Minerals of Colorado: A 100-year Record, Updated and Revised*. Golden: Fulcrum Publishing.



Figure 3. Postcard depicting view of the gem mines as a tourist attraction. From the collection of S.W. Veatch.

MineralDat Forum. (2006). Retrieved from <http://www.mindat.org/forum.php?read,6,51496,51496,quote=1>

Peale, A. C., 1874. *Seventh Annual Report of the Hayden Survey*, 1873.

*The Centennial* [newspaper] (1876). February, 1876 Vol 1, no. 2, page 1, col 3 and page 2, col 1 and 2.

Published by Jesse Summers Randall, Printers' Alley, west of the Miners' Assay Office, Georgetown, Colorado.

*The Mining Investor*. (1914). Retrieved from

[https://books.google.com/books?id=eMY\\_AQAAMAAJ&dq=%22crystal+peak+gem+company%22&source=gbs\\_navlinks\\_s](https://books.google.com/books?id=eMY_AQAAMAAJ&dq=%22crystal+peak+gem+company%22&source=gbs_navlinks_s)

Wobus, R. A., 1976. New data on potassic and sodic plutons of the Pikes Peak Batholith central Colorado. In *Studies in Colorado Field Geology*, ed. by R. C. Epis and R. J. Weimer, 57-67. Colorado School of Mines professional contributions 8.

**Lake George Gem & Mineral Club**  
Box 171, Lake George, Colorado 80827  
[www.LGGMClub.org](http://www.LGGMClub.org)

Date: \_\_\_\_\_/\_\_\_\_\_/20\_\_\_\_

Name(s) \_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone (    ) \_\_\_\_\_ - \_\_\_\_\_ Email (please print) \_\_\_\_\_  
*(required to receive newsletter and field-trip info)*

Names/ages of family members (if family membership) \_\_\_\_\_

Dues for Jan 1 through Dec. 31 each year are as follows (please check membership type):

\_\_\_\_ Individual (18 and over).....\$15.00

\_\_\_\_ Family (includes dependents under age 18).....\$25.00

Dues are due on or before March 31. Members with unpaid dues will be dropped from the roster on April 1. On/after **August 15**, dues will be reduced to half price for **NEW members only**.

I agree to abide by the Club constitution, by-laws, and rules regarding field trips and club claim visits.

Signed \_\_\_\_\_ Date: \_\_\_\_\_/\_\_\_\_\_/20\_\_\_\_

I am or have previously been a member of Lake George Gem & Mineral Club. Yes \_\_\_\_ No \_\_\_\_

**My interest areas** include (check all that apply): Minerals\_\_\_\_; Fossils\_\_\_\_; Lapidary\_\_\_\_;  
Micromounts\_\_\_\_; Colorado geology\_\_\_\_; Pebble Pups (ages 7-17)\_\_\_\_; Mining History\_\_\_\_;  
Crystallography\_\_\_\_; Other \_\_\_\_\_

**I am willing** to give a talk/presentation to (the Club) or (Pebble Pups) on \_\_\_\_\_

\_\_\_\_\_and/or lead a field trip to (list)\_\_\_\_\_

**I am willing** to participate/help in the following ways (can choose more than one): Club Officer\_\_\_\_;  
Newsletter Editor/Writer\_\_\_\_; Local Show/Show committee\_\_\_\_; Nominating Committee\_\_\_\_;  
Winter Programs Committee\_\_\_\_; Field Trips\_\_\_\_; Art (badges)\_\_\_\_; Membership Coordinator \_\_\_\_;  
Website Assistance\_\_\_\_; Pebble Pups\_\_\_\_; Other (be specific)\_\_\_\_\_

**Questions about the Club or Activities? Visit the website or contact a Club officer.**

Updated 05/01/2015

Lake George Gem & Mineral Club  
PO Bo 171  
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 2015 are:

**John Rakowski**, President  
PO Box 608  
Florissant, CO 80816  
719-748-3861  
[rakgeologist@yahoo.com](mailto:rakgeologist@yahoo.com)

**Char DeVries**, Vice President  
280 Homestead Rd.  
Divide, CO 80814  
719-686-1822  
[swordfishblue@wildblue.net](mailto:swordfishblue@wildblue.net)

**Suzanne Core**, Treasurer  
PO Box 1154  
Cripple Creek, CO 80813  
719-689-2092  
[suzc@peakinet.net](mailto:suzc@peakinet.net)

**Norma Engelberg**, Secretary  
2732 W. Bijou St.  
Colorado Springs, CO 80904  
719-337-8994  
[njengel60@gmail.com](mailto:njengel60@gmail.com)

**C.R. (Bob) Carnein**, Newsletter Editor  
507 Donzi Trail  
Florissant, CO 80816  
719-687-2739  
[ccarnein@gmail.com](mailto:ccarnein@gmail.com)