

The Lake George Gem and Mineral Club -

Club News, *JANUARY*, 2013



Regular Meeting of the Lake George Gem & Mineral Club
Saturday, *January 12*, at 10:00AM
Lake George Community Center

Dues are due....see membership application at the end of this Newsletter

At our January meeting, **Paul Combs** will continue his series of talks, this one on [Colorado and North America during the Paleozoic Era](#). Here's a description:

"The talk discusses the timeframe of the Paleozoic Era, beginning with the Great Unconformity, and proceeds through each of the periods of the Paleozoic. It describes what was happening generally in North America and specifically in our part of the Front Range during each period: climate, life forms that are preserved as fossils, deposition and erosion, marine transgressions, the Woodland Park Trough, uplift and erosion of the Ancestral Rockies, the Sawatch, Manitou, Leadville, and Fountain Formations, and everyone's favorite conundrum: the "Sawatch Formation" injectites. There will be hand specimens for the audience to examine."

As usual, bring in anything you can't identify, and we'll all check it out and see whether we can come up with an answer to your questions.

If anyone has a subject they would like to see as a winter-meeting program, please send in that suggestion to Glenn or any other officer. We want to continue to have interesting programs.

Do we want to do a **silent auction** for the Club's benefit? Let's talk about that at the meeting.

Coming Events

"Linking geology and health to help understand a deadly outbreak of childhood lead poisoning from artisanal gold mining, northwest Nigeria", by Geoff Plumlee, ... Jan. 8
USGS Rocky Mountain Science Seminar, 10:30AM, Bldg. 25, Denver Fed. Center, Lakewood. E-mail Pete Modreski (pmodreski@usgs.gov) for more info.

Columbine Gem and Mineral Society, monthly meeting, 6:30PM, meeting room, ... Jan. 10
Shavano Manor, 525 W. 16th (at J St.), Salida.

"X-ray diffraction and X-ray crystallography", by Joseph R. Smyth, Friends of Mineralogy meeting, 7:30PM, VIP Room, Denver Mus. of Nature & Science.

... Jan. 10

"Potential links between climate change and water-quality degradation in a mineralized watershed", by Andrew Manning. E-mail pmodeski@usgs.gov for details.

... Jan. 15

Pueblo Rockhounds, monthly meeting, 7:30PM, Westminster Presbyterian Church, 10 University Circle, Pueblo.

... Jan. 17

Colorado Springs Mineralogical Society, monthly meeting, 7PM, Colorado Springs Senior Center, 1514 N. Hancock, Colorado Springs.

... Jan. 17

Denver Gem & Mineral Guild, Gem & Mineral Show, free adm. And parking. Jefferson Co. Fairgrounds Exhibition Building.

... Feb. 22-24

"Ice worlds and their fossils", Western Interior Paleontological Society annual symposium, Green Center, CSM, Golden; admission charge. For info, visit symposium@westernpaleo.org.

... March 16-17

Ft. Collins Rockhounds Gem & Mineral Show, (admission charge) McKee 4-H Bldg. at the Ranch (Larimer Co. Fairgrounds), I-25 Exit 259, Loveland.

... March 22-24

Club News

► Thank goodness **Dick Lackmond** has his camera "ever ready" at our meetings and trips. Dick sent these photos of our December meeting (amethyst found by **Darlene Cotton**):



► **ROCK'N GOOD STORIES! Western Museum of Mining and Industry**

Saturday, January 12, 2013, 10:00 a.m. – 3:00 p.m.

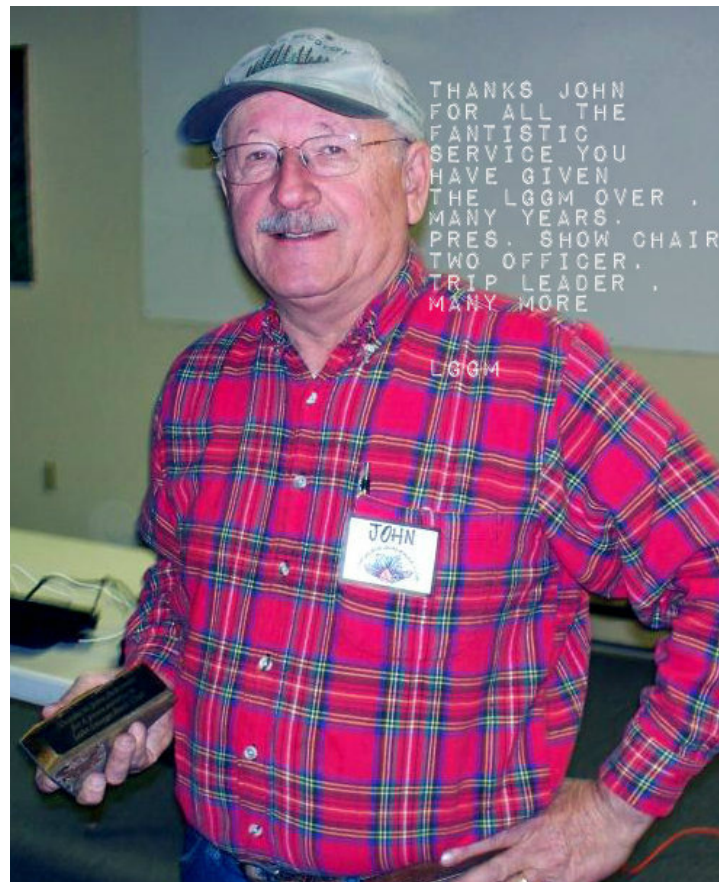
Rocks tell wonderful stories of earthquakes and volcanoes; forests and beaches; crystals and jewels; and amazing creatures that roamed a former world! Come to the Western Museum of Mining and Industry on Saturday, January 12, 2013, from 10:00 a.m. to 3:00 p.m., and start to learn how to read the stories found in rocks. Distinguished regional geologist and educator, Steven Veatch, and the Pikes Peak Pebble Pups, will present tables full of hands-on crystals, rocks, minerals, and fossils. We'll talk about the rocks in your food, pan for gold, perform mineral identification, measure up to a mammoth, and dig in the dirt for crystals, minerals and fossils to take home (everything will be inside the museum)! All of this is included with paid admission. Discounts are available at www.wmmi.org. Admission rates: Adults \$8, Military/AAA \$7, Seniors/Students \$6, Children 3-12 \$4, FREE to Children under 3 & Museum Members. For further information, call [\(719\) 488-0880](tel:7194880880).

The Museum is located just east of I-25 at the North Gate Exit 156A.

► **Dick Lackmond** sent this link to a GREAT free gemology course:

<http://www.bwsmigel.info/home.html>

He also sent this tribute to a member who has contributed a lot to our Club's success:



► Here are this month's **Bench Tips from Brad Smith:**

BenchTips for the Month

ADJUSTABLE CHUCK FOR DREMELS

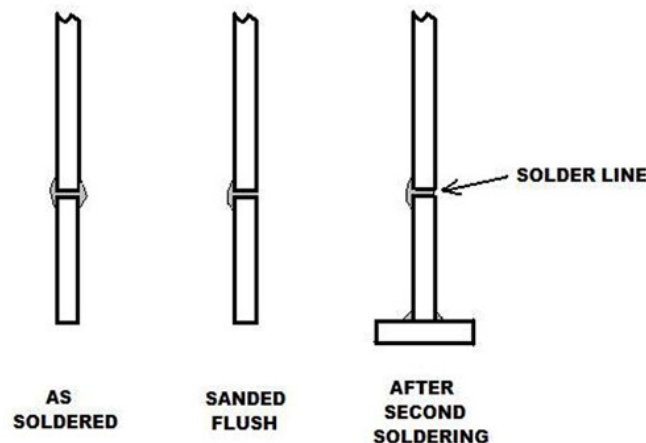
Many of us have a Dremel motor tool to use at home or when out to a class or workshop. The one thing that makes this tool much more productive is the addition of one inexpensive option, an adjustable chuck. The basic motor tool as sold typically comes with a collet chuck. This means you have to use a wrench to change every tool bit, you have to switch collets to use different shaft sizes (3/32 or 1/8 inch bits), and you can't use ordinary drills at all - only the special ones that have a 3/32 shaft.

A simple and inexpensive (\$10) adjustable chuck solves all of this. It's available in most large local hardware stores or model making outlets. Tightening the chuck is done easily by hand to any size shaft. No key is required.

AVOIDING SOLDER LINES

After finishing a soldered joint on, say, a bezel, have you ever seen it reappear when you solder the bezel to a base plate? What's happening is that every time you heat a soldered piece to the temperature that solder flows, the liquid solder dissolves a little bit more into the base metal. This leaves a small furrow where the solder had been sanded off flush at the joint. To get rid of the furrow, you have to re-sand the joint area down to the bottom of the furrow.

To avoid this when I have another soldering operation to follow, I try to leave a little extra solder on my joints (see Figure). For instance, when trimming off excess base plate from around a bezel, I leave a paper thickness of excess plate material whenever possible until I'm done with all soldering.



Of course, this isn't always possible, as when a soldering operation will prevent you from gaining access to an area for final sanding and polishing. In that case, I coat the finished solder joint with ochre to prevent a furrow.

DRAGON CROSSBOW

It's always fun to make something that's functional. Sometimes it's a handle for your favorite hammer; other times it's a custom stamp or punch for a special task; but if you're heading out to slay a dragon, you might need a cross-bow. Here's how Hans Meevis built his Dragon Bow:

<http://ganoksin.com/blog/meevis/2012/07/12/the-dragon-bow-start-to-finish/>

Earth-Science Scholars/Pebble Pups Corner

Earth-Science Scholars and Pebble Pups meet on the **third Tuesday of each month at 6PM in the Lake George Community Center**. Here's this year's schedule:

Jan., 2013: Field Trip to Denver Museum of Science and Nature—S. Veatch and others

Feb.: Special class on Science Writing and Research—S. Veatch

Feb. or March: Field Trip to Cave of the Winds

March: "Minerals and How We Identify Them"—B. Carnein

April: "The Amazing World of Crystals"—B. Carnein

May: "Orienteering"—D. Alfrey

Be sure you check regularly at www.LGGMClub.org for details and updates.

Here's an announcement for a **new contest** open to Pebble Pups and Earth-science scholars:

For the past few years, the Summit Lapidary Club of Ohio has been sponsoring a poster contest for kids in conjunction with their annual show and the Midwest Federation of Mineralogical & Geological Societies convention. The contest is open to any kids within an AFMS-affiliated club, especially those who already may be involved in the AFMS Future Rockhounds of America program. David Rich has emailed to let me know the tradition continues, and this year, the contest is focused around a theme of "[Fossils of the World](#)." Kids wishing to enter the contest should prepare a poster illustrating one or more fossils that interest them, from anywhere in the world.

The contest is open to kids in grades 1 through 8. Each grade level will have a winner. Ribbons will be awarded for 1st through 4th place, and 1st place winners will also receive a prize. Rules are as follows:

- all entries must be presented on 12X18-inch paper;
- artwork can be pen, ink, crayons, magic marker, paint, or any other artist's medium, but no three-dimensional posters accepted;
- include name, address, age and school grade of participant on back of entry;
- the title maybe on front or back;
- list of names of the fossils and why you chose them; and
- all entries become the property of Summit Lapidary Club and the Midwest Federation.

Points will be awarded as follows: Originality & Art Work—30 points; Design—25 points; Title—25 points; Listing of Fossils and Reason You Chose Them—20 points.

Entries must be **postmarked by March 2, 2013**, and should be mailed to:

Jennifer Fike,
P.O. Box 26276,
Akron, Ohio 44319.

Winners to be announced April 6, 2013, at the MWF convention. Further contest info may be found at <http://Lapidaryclubofohio.org>, and if you have questions, contact Poster Judge Jennifer Fike by email at:

SLC.youth.poster.contest@gmail.com.

Remember, new students and their parents are always welcome; Earth-Science Scholars and Pebble Pups are welcome on LGGM Club field trips!

NOTES FROM THE EDITOR

Bob Carnein, Editor
ccarnein@gmail.com
719-687-2739



Watch this space next month for a new article by Andy Weinzapfel on A.E. Foote, pioneer mineral collector in the Crystal Peak area!

Here's a new poem by **Zach Sepulveda**, Colorado Springs Earth-science scholar, who wrote an article that appeared last month:

Naracoorte

By Zach Sepulveda

As I sit atop my bed of bones,
the wind outside - it screams and moans.
Deep within my cave of dreams,
nothing's ever what it seems.

I question if I truly know my home.
I wonder at what horrors lie beyond my walls of stone.
It comes upon me without warning, and fills my heart with dread,
a violent, shocking acquiescence that I might join this bed.

To join the leagues of broken souls
who live forever as forgotten bones.
Lost inside, they seek themselves,
wandering forever in this labyrinth of stone.

I'll go to dust as everything must.
I'll fade away in time.
But for now I refuse to waste away
and attempt to make the climb.

Note: *Naracoorte Caves National Park* is South Australia's only World Heritage site.
The site was recognized in 1994 due to the importance of the fossils found in the caves.

Lake George Gem and Mineral Club

January, 2013

The park is has over 100 known fossil deposits, preserving the bones of Pleistocene megafauna that became extinct roughly 60,000 years ago. Naracoorte Caves preserves Australia's most complete fossil record for the past 500,000 years.

Author Bio: Zach recently moved to the Pikes Peak region from San Diego, CA. He became interested in paleontology by visiting the La Brea Tar Pits in Los Angeles as often as he could. He is a junior member of the Colorado Springs Mineralogical Society and is part of the Pikes Peak Pebble Pups Earth Science Scholars Program. Zach is 15 years old and is in 10th grade at Palmer Ridge High School in Monument, Colorado.



DUES ARE DUE! DUES ARE DUE! DUES ARE DUE! DUES ARE DUE!

Lake George Gem and Mineral Club

Box 171

Lake George, Colorado 80827

LGGMClub.org

2013 MEMBERSHIP APPLICATION

Name(s) _____

Address _____ City _____ State ____ Zip _____

Telephone () _____ - _____ E-mail _____

Names and ages of dependent members: _____

Annual membership - dues Jan. 1 through Dec. 31 are as follows:

- Individual (18 and over) \$15.00
- Family (Parents plus dependents under age 18) \$25.00

Annual dues are due on or before March 31. Members with unpaid dues will be dropped from the roster after this date. **Any new member joining on/after August 30 shall pay one half the annual dues.**

I hereby agree to abide by the constitution and by-laws of this club.

Signed _____ Date: ____/____/____

I have previously been a member of Lake George Gem & Mineral Club. Yes ___ No ___

My interest areas include:

Minerals ___ Fossils___ Lapidary ___ Micromounts ___
Other _____

I would be willing to demonstrate any of the above for a club program or educational activity? If yes, which: _____

Please indicate which of the following activities you might be willing to help with:

Writing _____ Editor _____ Mailing _____ Local shows _____

Club Officer _____ Programs _____ Field trips _____ Refreshments _____

Questions about the club or club activities? Contact John Rakowski (719) 748-3861

Rev. Jan. 2011

Lake George Gem and Mineral Club
P.O. Box 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 an opportunity to learn about earth sciences, 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 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 10:00 AM. From April through October, we meet at 9:00 AM, 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 2013 are:

Glenn Haggett, President

PO Box 985
Woodland Park, CO 80866
719-687-6549
gshaggett@msn.com

Jo Beckwith, Vice President

PO Box 275
Guffey, CO 80820
719-689-0248
shawneewolf@hotmail.com

Wayne Johnston, Treasurer

207 Cooper Lake Drive
Divide, CO 80814
719-687-6067
wjohnston719@msn.com

Charlene DeVries, Secretary

280 Homestead Rd.
Divide, CO 80814
719-686-1822
dave.devries@verizon.com



C.R. (Bob) Carnein, Editor, 507 Donzi Trail, Florissant, CO 80816
ccarnein@gmail.com ; 719-687-2739