



Newsletter of The
Cobb County Gem &
Mineral Society, Inc.,
Marietta, Georgia

Dedicated to the
collecting and study
of rocks, minerals,
gemstones, fossils
and the love and
appreciation of the
great outdoors

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Newsletter Editor:
Toby Stewart

Cobb-L-Stones

VOLUME 45 ISSUE 2

February 2015

News and Events for February

February 2015 Calendar

February 3 First Tuesday Free Workshop: Wire wrapped shark tooth: Instructor Robie Hunt (p. 6)

February 7: Jr. Rockhound Program Kickoff 10 am at the CCMS Clubhouse (p. 9)

February 7: GMS Fossil Trip (p. 4)

February 10: CCGMS monthly meeting: 7:30 at the CCGMS Clubhouse (below)

February 14: CCGMS Field Trip to Polk County, GA to collect jasper and colored slag (p. 2)

February 28: DMC trip to SC to collect beryl & amethyst (p.3)

Inside this Issue...

There are so many great classes, activities and field trips coming up in the next few months, I've listed upcoming events so you can put them on your calendar. Remember to tell future Rockhounds about the Jr. Rockhound Program Kickoff on February 7th! There's nothing better than learning something new or finding a special mineral /fossil on a field trip.

Be sure to read Roy Meade's interesting article on how he got involved in faceting on pages 12 –13.

Please continue to send your good thoughts and prayers to Sandy Johnson. (p.8)

CCGMS February 10, 2015 Meeting

7:30 pm at the Clubhouse

"Space, Rocks, and Craters: An Astrophysicist's View"

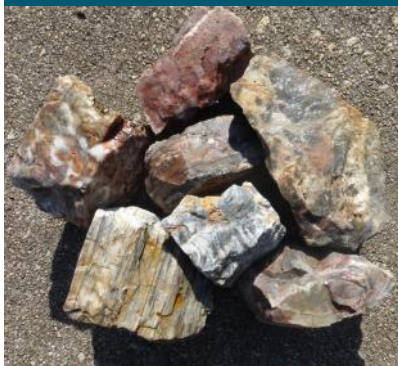
Debris left over from the origin of our solar system serves as an invaluable tool for scientific studies ranging from stellar evolution, to planetary geology, to the extinction of dinosaurs. Dr. Laura Whitlock, Assistant Professor of Physics at Georgia Perimeter College, will guide us through an astrophysicist's view of these disparate phenomena. Join us on February 10, for this very interesting talk. Visitors are welcome!



Photo: strangesounds.org

The Clubhouse is located at 516 W. Atlanta Street in Marietta, GA 30060

February 14, Trip
Jasper and colored slag



March 21, Trip
Banded agate from Menlo 2



CCGMS February 14, 2015 Field Trip

Polk County, GA at 9:30 am

Jasper and Blue Slag

Attendance limited to 25 persons. The trip is currently full, but you can sign up for the waiting list

Collect: We will be visiting two sites on the 14th to collect beautiful jasper at one site and blue and other colors of slag at the 2nd.

Bring: Rock hammer, small pick or shovel for light digging, work gloves and a bucket to put finds in. You might want a rake to use in the slag area, although most pieces are easy to pick up. You will want to bring rubber boots or a change of boots as the jasper site is in a cow pasture. The blue slag site is in the woods. Please your lunch with you and plenty of liquids.

Meeting place: We will meet at the Ingles Market parking lot next to McDonald's on US Highway 278 (GA-6 Bypass) on the north side of Rockmart, GA. This location is set back about 50 feet along the south-side of the divided highway called the "Nathan Dean Bypass". Although the meeting location is only 30 miles west of the Clubhouse, there is not a very direct, fast route, so allow at least 45 minutes getting to Ingles from downtown Marietta.

Special: If it rains the day before or on the day of the trip we will reschedule the trip to February 21 as the private land owner has dirt roads on his land that will be damaged if people drive on them when it's muddy. Confirmed participants will be notified by email of trip status and if they are unable to attend on the new date, persons on the waiting list will be notified. We will check people in at the meeting site and everyone will sign a release.

CCGMS Field Trip Team Leader: Ray Borders Contact Field Trip Team Coordinator Toby Stewart at ccgms.fieldtrips@gmail.com to sign up for the waiting list for this trip.

Coming Up in March : Menlo 2 Banded Agate and Jasper Trip led by Dion Stewart. The trip is scheduled for March 21. You can sign up for this trip by contacting Toby Stewart at ccgms.fieldtrips@gmail.com

CCGMS Field Trip Team

*Dion Stewart, John Anderson, Wes Manley
Bob Hohn, David Braswell, Ray Borders*

Shelton Boyd, Tom and Bonnie Smith, Ken and Robie Hunt
Email us at: ccgms.fieldtrips@gmail.com or call 678-417-1786
Team Coordinator: Toby Stewart

DMC February 28, Field Trip

An Official Field Trip of the Western South Carolina G&MS (Greenville, SC) HOST

An Official Field Trip of CCGMS

Saturday, February 28, 2015

9:00 am until dark

Amos Cunningham Farm, Due West, SC , Abbeville County

FEE SITE: \$20 for an adult (over 12) \$10 for 12 and under



Children : 12 and under must have adult supervision

Pets: Allowed if controlled on a leash.

TRIP: Amos Cunningham Farm, 471 Alewine Rd., Due West, SC 29639

When: February 28, 2015 from 9:00 AM until dark.

COLLECTING: Good sized beryl crystals, amethyst and smokey quartz. This site has the best South Carolina beryl specimens of any site that I know how to get access to. The crystals are well shaped hexagons with flat ends. The color is green though most have a blue cast. The beryl ranges from translucent to opaque. Most crystals are specimen quality though some gem quality is present.

Digging Conditions: The site is flat to rolling land of South Carolina red clay. The digging areas have been machine trenched down to white kaolite veins that have the beryl and quartz crystals. Dirt and rock removed from the trenches and piled up, also contain beryl and are good places to search especially after a rain. Beryl is often found by breaking open quartz rocks.

BRING: Bring picks, shovels, rock hammers, scratching tools, and screens. Large hammers will not be very useful. Also bring plenty of drinks and a picnic lunch unless you want to drive a few miles for lunch.

DIRECTIONS AND WHERE TO MEET:

We will meet at the Amos Cunningham farm between Antreville and Due West, SC. From Anderson, SC drive 18 miles down route 28 East (really south) to Antreville. Turn left on Route 184 East heading toward the town of Due West. Travel for 4 miles and turn left on George Alewine Road. Drive for less than 1 mile. You will pass a trash/recycling site on the right, cross a bridge over a small creek and turn into the first lane on the right. If you pass the Cunningham Backhoe Service on the left you have gone too far.

Lodging can be found around Anderson, SC. There is no lodging in Antreville or Due West.

February DMC trip continued...

The next day: In the past people have asked me about going to the nearby **Diamond Hill Mine** the next day while they are in the area. Diamond Hill will be open on Sunday, March 1. The mine is well known for quartz crystals, smokey quartz, amethyst, skeletal quartz, and cacoxenite. Cost is \$20 per person, but if 10 or more arrive as a group the cost will be \$10 per person.

Contact info for Amos Cunningham: cunninghamamos@yahoo.com or 864-379-8918 or 864-992-7843

Contact numbers: 864-404-0025 Bill Wetzel Field Trip Chairman, Western South Carolina
G&MS e-mail address: wwetz14@gmail.com



GMS FIELD TRIP

Saturday, February 7, 2015

The February GMS field trip to Clinchfield, GA to collect Eocene marine fossils is full. For more information and to be added to the waiting list, please send email to field trip chair Charles Carter at fieldtrips@gamineral.org



DMC March 7, Field Trip

An Official Field Trip of the Mid-Georgia Gem and Mineral Society (Macon, GA)

An Official Field Trip of CCGMS

10:00 AM to 2:00 PM

Saturday, March 07, 2015

Vulcan Materials Company, Bartow Quarry
Cartersville, GA



Free Area

Where: Vulcan Bartow Quarry, 5840 Highway 20 SE, Cartersville, 30121

The Quarry began operations in 1995 at this location. They have 797 acres and their pit is approximately 1,200 feet wide and 250 feet deep at this time.

March DMC trip continued...

FREE AREA: This field trip is free for all who participate

Directions: Interstate 75 North to exit 290. Highway 20. At the exit you make a right and go 1 and 1/2 miles to the quarry on the right. This is past the McDonalds. Turn right into the quarry and continue to a small building were we will meet before going to the pit. If you are coming from the North, you would still exit at 290 but turn left, go east and continue to the quarry. When we arrive we will meet a Vulcan employee who will be our guide for this trip.

Collecting: The rock found here is a porphoblastic granite gneiss and is part of the Corbin Gneiss Complex. These rocks are some of the oldest in Georgia dating back some 1.2 billion years, making it much older than the granites found at their other locations. This quarry is known for the blue quartz found within the granite. While most of the blue quartz is small, you can normally find some large enough to polish into a very nice cabochon. Some may be found with pyrite inclusions as well as other minerals within the granite.

WHAT TO BRING: Clothes that would be appropriate for this time of year in Georgia. That could be almost anything and I would suggest layers that could be removed and something in the event of a shower. A hard hat, safety glasses, and steel toe shoes/boots, or at least a good pair of shoes. We should be finished early enough to go to the McDonalds for lunch but something to drink is always good to bring along.

They are blasting rock every week and, as a working quarry, there are spoil piles all around. No one will be allowed near any of the high walls but with the abundance of material we normally just have to bend over and pick things up. All you really need is a bucket to take your samples home. If you want to chip off a piece of a larger boulder be sure you have all your safety equipment including safety glasses, gloves, hard hat and a chisel and crack hammer.

Field Trip Contact: Jay Batcha.

rocky1s@cox.net

Phone: 478-784-1965

Cell: 478-957-5002



Membership in CCGMS is one of the best deals in town! Keep your membership up to date so that you can attend classes, field trips, meetings, get-togethers and hang out with a great group of Rockhounds. Al Sorensen is our Membership Chair, you can contact him to renew your membership or sign new people up, at ccqmsmember@att.net



Cobb County Gem and Mineral Society meets the second Tuesday of the month at 7:30 pm at the CCGMS Clubhouse.

Visitors are welcome at meetings! The Clubhouse is located at 516 West Atlanta St. in Marietta, GA 30060. You can see a map of how to get to the clubhouse on our website www.cobbcountymineral.org

First Tuesday Free Workshop Class

First Tuesday Free Workshop: Wire Wrapped Shark Tooth

Date: February 3, 2015

Time: 6:45 pm

Instructor: Robie Hunt

Class Size: 16 students

Kit for class: \$14.00 cash (Kit includes 2 shark's teeth (average size 1-1/2" wide by 1-3/4" long), 1 small shark tooth, 1 small arrowhead, wire for 3 projects, neck cording and printed instructions)

Pre-registration is required

Tools:

- Bead Mat or work surface
- Round nose pliers
- Chain Nose Pliers
- Flush cutters
- Visual Magnification: optional

Materials (if bringing your own):

- 2 – shark's teeth
- 1 – arrowhead
- 3 ft – 21g Half-round wire
- Minimum 36" cording



Contact: Class Scheduler Becky Patellis at 770-973-7483 or beckypatellis@mindspring.com to reserve your spot in this class.

CCGMS Open Workshop Schedule, February 2015

Hours: Tuesday and Thursday nights from 7:00 to 9:00 pm
 Saturdays: 10:00 am to 2:00 pm

Please arrive early to open workshops, if no one arrives in the first half hour, the Open Workshop Foreman is free to leave, and the building will be closed.

- Thursday, February 5: Al Sorenson Nightly Foreman
- Saturday, February 7: **Jr. Rockhound Program Kick Off**
- Thursday, February 12: Shelton Boyd Nightly Foreman
- Saturday, February 14: Hart Phinney / Ken Hunt Nightly Foremen
- Tuesday, February 17: Jeff Hunter Nightly Foreman
- Thursday, February 19: Tom Smith Nightly Foreman
- Saturday, February 21: Wes Manley Nightly Foreman
- Tuesday, February 24: Bob Hohn Nightly Foreman
- Thursday, February 26: Carl Brown / Laura Cox Nightly Foremen
- Saturday, February 28: Ken Hunt Nightly Foreman



New Program Just for Jr. Rockhounds!

Learn how to do exciting new things from exploring caves, to making your own jewelry from minerals you collect! Come to the Jr. Rockhound Program Kickoff on February 7, at 10 am and sign up for something you'd like to learn to do!



New to CCGMS? These classes are for you!

If you're a new member to CCGMS, taking the beginning cabbing and faceting classes are a fun way to learn some great skills and make friends with other members! After you complete beginning cabbing you will be certified to use the equipment in our CCGMS Clubhouse Workshops during Open Workshops at the very low workshop fee of \$2.50 per hour. There will also be a Gem Identification class this spring. Details will be in the March Cobb-L-Stones.

Introduction to Cabbing

Instructor: Wes Manley

Sessions: Two 2-hour classes

weekday evenings 7:30 to 9:30 pm or a 4 hour class on Saturday

Classes scheduled by appointment

Class Size: Two (2) students

or can work with a family

Workshop Fee: \$20 payable by cash or check made out to CCGMS



Learn to use: the trim saws, flat-laps, Genie and polishing wheel to create a flat-backed domed stone called a cabochon used in making jewelry. Shop safety will be discussed. The cabochon you create will be yours. We will get at least one cabochon completed, but will try for two.

Classes are scheduled upon request: according to your schedule and workshop availability.

Contact: Wes Manley at jwm1mil@bellsouth.net for your appointment. Please use email only as personal calls are not permitted at my job.

Advanced Cabbing Class

Instructor: Wes Manley

Class times: By appointment,

Class Size: 2 members per session

Time frame: Approximately 2 hours

Class Fee: \$10 in cash or check payable to CCGMS

Prerequisite: This is an advanced class for students who have completed the Introductory Class and have completed 10 cabs in the workshop that have been previewed by Wes.

Learn:

- To make a template for a free-form cab or free-hand cut stone, your choice
- How to stabilize soft or delicate material

Contact: Wes Manley at jwm1mil@bellsouth.net to schedule your class, or if you have questions.



Faceting classes are currently full. You can sign up for future faceting classes by contacting Faceting Instructor Roy Meade at 770-926-1589 or roydot@bellsouth.net. Read about how Roy got started in faceting on pages 12-13.

CCGMS News

Sandy Johnson in Hospital

Sandy Johnson was hit by a vehicle when she walked out of the grocery store on Sunday, February 18. She is currently in critical but stable conditions after two surgeries for head injuries. She is making good progress but is currently still in the ICU unit of Kennestone Hospital in Marietta, GA. If you would like to send a card or visit her, she is in Room 514, of the Blue Tower, 677 Church Street, Marietta, GA, 30060. You can call the hospital at 770-793-5000 for updates. For new members; Sandy is our very enthusiastic, tireless Grab Bag Chair, Co-Hospitality Chair and Clubhouse Scheduler. No challenge is too big for Sandy and with our thoughts and prayers she will show the medical personnel what real courage is!

Grab Bags will now be available for sale at our monthly meetings!



The colorful grab bags that we sell to the public at our Annual Gem and Jewelry show have proven to be as popular with our membership as with the public. Chock full of interesting gems, fossils, and shark teeth, they are a wonderful gift for kids and rockhounds of all ages. Starting at

our February meeting, grab bags will be available for sale at only \$2 a bag. Stock up!



Donated Jasper and Agate Slabs Are Part of Our Monthly Door Prizes!

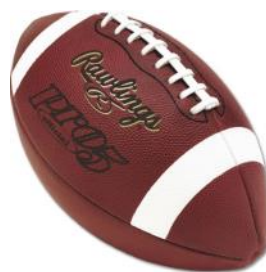
More Jasper and Agate slabs, suitable for cabbing or flat lapping, will be part of the door prizes at the February meeting. These beautiful slabs have been generously donated by a CCGMS member who wishes to remain anonymous. Chris Munson, the administrator of the donation has designed a great thank you card for members to sign. Be sure to attend the next meeting for your chance to win one of these beautiful slabs!

Welcome to CCGMS!

Tim & Jorie Billingsly
 Mark & Sonya Bishop
 Manisha & Kishad Chikhliker and Family
 Adou & Ada Estrada
 Dane & Leigh Kite
 Henry & Jackie Kite
 Stephen & Donna Raposa
 Rebecca Waggener
 Michelle & James White and Family

Janie Bailey is our New Corresponding Secretary!

Janie Bailey joins the Board this year as our new Corresponding Secretary. If you, or one of your family members has an illness or hospitalization you want announced at a meeting or in the newsletter, contact her: janieb103@yahoo.com or 770-778-8872.



Be sure to tell your favorite Jr. Rockhound to attend the Kickoff event for the Jr. Rockhound Program on February 7, at 10 am at the Clubhouse! They can find out about classes, field trips and fun events just for them!

Upcoming Events at

Junior Rockhound Kickoff

February 7th 2015, 10 am at the Clubhouse!

Learn about the activities just for Junior Rockhounds!

- ◆ Wire wrap
- ◆ Cabbing
- ◆ Stone carving
- ◆ Mineral ID
- ◆ Metal Working
- ◆ Field Trips
 - Mineral collecting
 - Exploring Caves
- ◆ Beading and more!



Meet the Instructors!
Sign up for Classes!
Meet Other Junior Rockhounds!



Food!
Games!
Fun!



Program open to all CCGMS Junior Rockhounds ages 7-18. Some age restrictions apply for individual classes.

Save the Date - Save the Date - Save the Date

ROCK SWAP & EQUIPMENT AUCTION

April 18 @ The Clubhouse

Open to Anyone

If interested in helping please contact Bob Hohn

770-630-8563 rchohn@comcast.net

MORE DETAILS AT MARCH MEETING

CHECK NEXT MONTH'S NEWSLETTER FOR AUCTION ITEM PHOTOS

Coming soon!

Gem Identification Class

Learn how to identify faceted stones using non-destructive tests!

- ◆ Light properties (refractive Index and polarization)
- ◆ Specific gravity
- ◆ Density
- ◆ Look at gems under microscopes, and other equipment

**Look for information on the class and instructions on how to sign up
 in the March Cobb-L-Stones!**



January 2015 CCGMS Minutes

CALL TO ORDER: On Tuesday, January 13th, President Paul Lessard brought the meeting to order at 7:30. Birthdays and anniversaries were announced. Many new members introduced themselves coming from Canton, Calhoun, and Kingston and were heartily welcomed. Paul then gave awards to those who were absent at our Christmas party.

ELECTIONS: Frank Tichenor swore in the VP candidate for the 2015 Board, Dion Stewart. Frank had sworn in the others on the board, Paul Lessard- President, Wayne Dodd- Treasurer, Lynn Avery- Recording Secretary, and Janie Bailey- Correspondence Secretary before the Christmas party at the December meeting.

SPEAKER: Roy Meade, our faceting instructor at CCGMS, was introduced by Dion Stewart. He then gave a very interesting talk about the many stages in faceting a gem reminding us that it is the faceter who cuts the stone, not the machine. Dion announced afterwards that there were still three openings for speakers left for 2015- August, September, and October, so if anyone had ideas to get with him.

TREASURER: Wayne Dodd gave the treasurer's report for 2014. After explaining the net income from the November show, two ideas came from the floor. One was to send out flyers earlier to alert people of the change of venue and date. The other was to perhaps have a field trip so many can collect geodes for the show.

CLUBHOUSE NEWS: The rock swap date will be in April or May. A possible February date for an equipment auction is in the works.

MEMBERSHIP: Al Sorenson, membership chair, reported that we have 355 adults and 80 children in our club, which was an increase of 30 new members since his October report. He said we signed up many at the show in November. He also added that anyone who no longer receives a newsletter has let their membership lapse and can start getting their newsletter again after paying their dues. It was suggested that the membership form be changed to include the ages of the children so that the Youth Program coordinators know who to approach.

FIELD TRIPS: Field trip chair, Toby Stewart, gave us information about several upcoming field trips. She reminded members that many of the sights have limits and some are already full, so sign up fast if you're interested. Toby also reminded us that the deadline for newsletter submissions is January the 17th.

YOUTH PROGRAM: Youth Group chair, Ken Hunt, said the official kickoff for the Youth Program will be February 7th. There will be many tables set up to show them what they can expect. There was talk about field trips for them too.

HOSPITALITY: Hospitality Chairs, Ginger Lessard and Sandy Johnson, brought wonderful goodies for us to munch on throughout the meeting.

NEW BUSINESS: Keith Johnson and Richard Cepurna were thanked for the beautiful ramp we now have. Chris Munson created a thank you note and placed it near the door prizes for one of our members who donated many bags of jasper and agate from out West. Bill Wagner announced that he had a new grandson, and that his niece was becoming a new member. Sarah Timm said that the Rice Museum is just fine, unlike what was stated in Rock and Gem Magazine. Sandra Greene was congratulated for receiving her GCA certification. On a final happy note, Lawrence Parker congratulated the club for its friendliness and southern hospitality as a friend of his who visited us last month said he met and talked with more people in one evening here than he has in six years at his club in Chicago.

CLOSING: Bob Hohn called out numbers as door prizes were awarded. Then President Paul Lessard adjourned the meeting at 9:00. Refreshments and conversations continued to be enjoyed after the meeting.

-Recording Secretary, Lynn Avery

January CCGMS Meeting

Roy Meade showed us the basics of faceting in his talk at the January meeting. Members especially liked seeing all the beautiful gems Roy has faceted!



Vice President Dion Stewart was officially sworn in by Parliamentarian Frank Tichenor to serve on the 2015 Board. Members who were not able to attend the December award ceremony were presented their awards by President Paul Lessard. Kay Yoest, (left) Dion Stewart with Paul (below center) and Wes Manley with Paul (directly below)

Kanan is one of our happy new cabbing students!



Photos thanks to CR Munson and Robie Hunt for the photos!

A BEGINNER'S VIEW OF THE FACETING "ADDICTION"

By Roy Meade

My Start:

Virginia Tuttle, the Vice President of the Lockheed-Georgia Employee Recreation Lapidary Club, showed her faceted aquamarine pendant cut by her husband, Linton, at our November 1982 club meeting. At the same meeting, Bill Arnold, another faceting member of the club, showed several of his faceted stones.

Several days later, while cutting cabs in the club workshop, I watched Linton Tuttle set up and give faceting lessons to Elmo Sanders and Mickey Waldrop, two of our club members. I then read (or became aware of) an article in the then-current issue of Gem & Mineral Magazine about faceting and knew I had to facet! So... Bill Arnold and I scheduled the first of my faceting lessons and we started. (NOTE: Most beginning faceters take 8 – 2 hour lessons to cut their first two stones. I took only five lesson – not bragging, just a statement of enthusiasm).



My first stone was a 9 mm round brilliant cut clear quartz gem. I cut it on an 8-inch, 360 ripple cut lap on a Facetron machine, pre-polished it on a 1200 cast aluminum lap, and polished it using dry 50,000 diamond on Bill Arnold's ceramic lap. I was the happiest guy in town that day!

My second stone was a 9x11 mm emerald cut amethyst quartz gem. I sure was proud! When Bill Arnold signed my club card signifying my qualification to facet on my own, I was very happy.

The addiction started in earnest at this point. I came by the Lapidary Club early (4:30 or 5:00 AM), just to have a couple of hours to facet on the club's Facetron several times a week for 3 or 4 weeks. I cut mostly quartz and polished with cerium oxide on the lucite lap (wet and messy) until I found Ultra-laps; while still wet, not nearly as messy.

I then acquired a piece of ruby red synthetic corundum and cut the crown of a 7 x 9 mm emerald cut ruby but had no apparent way to polish it – not having any 50,000 diamond to use on the club's ceramic lap. Bill Arnold invited me to use his own Facetron and 50,000 diamond charged ceramic lap, which I did. (This was the first faceted stone I sold, and I was in seventh heaven!).

I heard through a fellow club member and dealer, Jim Bishop, of a used Graves faceting machine for sale from Tom Perry, a member of the Georgia Gem and Mineral Society, in North Atlanta. I called Tom and visited his house. The machine was a Graves Mark I with all kinds of laps and extra accessories and had only been used to cut a dozen or so stones. I paid him \$350 for the whole works and took it home – very proudly and so anxious I could hardly wait to start cutting.

However, I waited a whole day while I set up a proper desk and work area to hold the machine before I started in. My first stone cut at home on the Graves was a 9 mm round brilliant amethyst, which my wife, Dottie, still has and wears proudly in a pendant. I began to look for other diagrams to cut, rough to choose from, and to read and cut in earnest.

One advantage I had over many in this hobby is that I traveled significantly in my work. While traveling I visited rock shops, rock hounds, dealers, etc. I had the opportunity to acquire the MDR 3 volume series of diagrams, the three Varges book series, Trophy Winning Facet Diagrams, Long and Steele's series of computerized diagrams, plus many, many diagrams published in Lapidary Journal, Rock & Gem, and Gem & Mineral magazines, periodicals to which I subscribed.

Almost a year later I "discovered" several Faceting Guilds around the U.S. Subscription memberships were only \$5 or so per year. I belonged to the Seattle, Washington Guild, Willamitte-Columbia-Oregon Guild, and the Southeast Faceting Guild. The monthly or quarterly publications from each guild provided many helpful hints and new diagrams.

My wife Dottie and I started out by exhibiting our cut and polished cabs in standard mountings at a local North Georgia Arts and Crafts show on Labor Day Weekend, 1982, and at the Cobb Gem and Mineral Club Show at Cobb Center Shopping Mall in Marietta, Georgia. We continued to increase the frequency of the shows at which we exhibited.

In 1984 we exhibited in 21 shows, including the Rome Gem and Mineral Show, Georgia Gem and Mineral Show, and Middle Tennessee Gem and Mineral Show.

The acquisition of quality findings for our cut stones, both cabs and faceted ones, became a problem – primarily one of cost and variety of styles. Having acquired a Sales Tax Number for show sales purposes, a lot of doors for wholesale purchasing were opened. I could carry a limited line of equipment, findings, literature, and both slabs and faceting rough that I sell at shows and to other local club members for their convenience.

Next, I started sterling silver forming and soldering metal work. I had a lot to learn and techniques to acquire. My next goal was gold work, both soldering and casting. I still tried to facet several stones each week.

When I first tried the Barion cut rectangle diagram, either I wasn't ready for it or something wasn't right in the diagram I read. I discovered the "Octagon Barion Variant" displayed in a Seattle Faceting Guild mailing. I cut five or six of these "Octagon Barion Variants" in CZ, corundum, spinel, and quartz materials, all of which were beautiful. I have also cut a "Vega Variation" (a "Vega" step-cut square crown with a "Barion Variation" pavilion), as well as several rectangular "Barion" cut stones. The Barion cut sure spruces up step-cut stones.

I must say that faceting has helped our marriage a lot. My wife, Dottie, gets anything I cut that really turns out nice! Secondly, having my "rock" room just off the kitchen solves our bickering about being ready on-time to go out. When I'm ready, I sit down and facet until Dottie's ready to go!



Roy & Dot

I had the opportunity to teach three others to facet, plus I helped my sister who lives 2,500 miles away in Arcadia, California, start faceting. She also has a Graves mark I faceter which made it easy for us to correspond.

I cut my first cab in May, 1982, learned faceting in February and March of 1983, bought my Graves Mark I on May 13, 1983, and faceted nearly 100 stones in just a year. Being a recovering alcoholic, you see, I traded one addiction for another – Faceting!

My Present:

We currently are scheduled to exhibit in five shows and I teach faceting classes for CCGMS. I have taught over 50 students to date.

My Future:

Only time and imagination will limit where we're going. We love the lapidary hobby, being lapidaries, and working in our lapidary. I'm very grateful to all of my club member friends who have shared this marvelous hobby with us, and for opening so many doors to the future. I hope never to get over this "addiction".

If you would like to sign up for beginning faceting please contact Roy at 770-926-1589 or at

roydot@bellsouth.net



From The Wheel of Anne Bair (thanks to Michael Boyd for this)

The idea of cutting into a stone that no one has seen inside before and revealing its hidden beauty makes me giddy! I'm fascinated by the "science" behind it, too; not gemological science but the knowledge that the gem cutter must have to coax just the right shape out of just the right part of just the right stone. Fascinating. Here are just six of the many tips, tricks, and techniques:



1. You don't want to cut a cab from a larger slab with inclusions in it, or it might break during cutting, setting, or worse--while a customer is wearing it--but it can be hard to see inclusions in slabs, especially opaque ones. A surprising way to identify inclusions in stones when you can't see them is to slap the slab onto your work surface with some force. It will break--but it will likely break along the existing cracks or natural inclusions, so you can be reasonably confident that the remaining pieces are stronger and more stable. Michael stresses those with his hands to further draw out any potential breaks. If they remain solid, cut your cabs from those tested pieces.



2. Remember that the hardness of a stone can determine how thick or thin the slices of it need to be. Agate (like Michael cuts in the beginning of his online video) is quite hard and can therefore be cut into fairly thin slices. A softer stone like turquoise needs to be cut in thicker slices for best durability and to prevent breaking.



3. Using water when cutting stones is a pretty commonly known practice. It helps to keep the stone cool and to serve as a lubricant. But, you might not know that using water when cutting stones also keeps the dust down. You definitely don't want to breathe in rock and gem dust. Remember to stop when the stone gets dry and add more water.



4. If you have a piece in your collection that you haven't used in a while (and that you're not completely in love with), consider reformatting it. Michael shares that he sometimes will take a bead that's languishing in his stone supplies and will cut it in half, hole to hole, turning it into a cabochon that he can use in his work. (You can also do this if the bead happens to break.) Likewise, you can always drill a hole in a piece that you have and turn just about any stone into a bead. Note: If it's a cab, you'll probably have to finish the unfinished back.



5. Sometimes with a diamond blade, Michael says the metal will "fold over" the diamond, causing it to cut slowly, and you'll need to re-expose the diamond grit. If your blade is cutting slowly, try running a dressing stone through it a couple of times to expose the diamond particles.



6. When you're cutting a round (spherical) bead or stone into two pieces and you get near the end, it has a tendency to "blow out" as Michael says and break before you cut all the way through. To avoid this while cutting, he cuts into the stone partly from all sides, turning and cutting, rolling forward and cutting more, until he has cut into the stone all the way around--then he finishes by cutting through the center.

Happy Cabbing!

Anne

BOB'S WEB

by Bob Shively

Mineralogical Clubs and Societies in Georgia and Parent Organizations

www.athensrockandgemclub.org

Athens Rock and Gem Club

The Athens Rock and Gem Club is a non-profit organization. Its objective and purpose is "to promote the recreational, educational, and scientific aspects of lapidary arts, rock and mineral collecting, and earth sciences, for adults and children". They meet the 3rd Tuesday at 7:30pm at the Friendship Christian Church, Tallassee Rd, Athens.

<http://www.amfed.org/sfms/>

Southeast Federation of Mineralogical Societies, Inc.

The Southeast Federation of Mineralogical Societies, Inc. was organized in 1976 to bring about a closer association of Clubs and Societies devoted to the study of Earth Sciences and the practice of Lapidary Arts and Crafts in the Southeastern part of the United States. The Southeast Federation includes approximately 80+ clubs and societies mostly in the region east of the Mississippi River and South of a line following the northern borders of Tennessee and North Carolina. CCGMS is a member.

<http://www.amfed.org/>

American Federation of Mineralogical Societies

The American Federation of Mineralogical Societies (AFMS) is composed of seven similar regional organizations of gem, mineral, and lapidary societies. Their purpose is to promote popular interest and education in the various Earth Sciences, and in particular the subjects of Geology, Mineralogy, Paleontology, Lapidary and other related subjects, and to sponsor and provide means of coordinating the work and efforts of all persons and groups interested therein; to sponsor and encourage the formation and international development of Societies and Regional Federations and by and through such means to strive toward greater international good will and fellowship. CCGMS is a member of the AFMS.

<http://www.gamineral.org/>

Georgia Mineral Society

The Georgia Mineral Society (GMS), located at 4138 Steve Reynolds Boulevard, Norcross, GA 30093-3059, is the oldest and largest gem and mineral society in the Southeast. Founded in 1935, it is a completely volunteer, non-profit 501(c)(3) organization dedicated to educating the youth of the state and members of their society in the field of Earth Sciences. They hold their annual gem, mineral, jewelry and fossil show in May. They meet the 1st Monday of each month at their clubhouse on Steve Reynolds Blvd. in Norcross

Carroll County Gem & Mineral Society

Located in Carrollton, they meet the 2nd Thursday of each month at the Pine Mountain Gold Museum on Stockmar Road in Villa Rica. Contact President Kelsie Grizzard at 770-328-8149 for more info.

Georgia Veterans Gem & Mineral Society

Located on Sycamore Lane in Dallas, they meet the 3rd Monday at 7:30pm at the Dallas Civic & Cultural Center on E. Griffin St. in Dallas. Primary Contact is Timothy Hammons thimothyhamm6006@bellsouth.net.

<http://www.midgagms.org/>

Mid-Georgia Gem and Mineral Society

They are located in Macon and meet in the Museum of Arts and Sciences, located on Forsyth St in Macon, on the 1st Monday at 7:30pm.

<http://rogams.wordpress.com/>

Rome Georgia Mineral Society

Located in Rome, they meet the 2nd Monday at 6:45 pm in the Oostanaula Room of the Sara Hightower Regional Library in Rome. They hold the Valley and Ridge Gem and Mineral Show in March of each year.

<http://www.amfed.org/sfms/dmc/dmc.htm>

Dixie Mineral Council (DMC)

A Program of the Field Trip Committee of the Southeast Federation of Mineralogical Societies, Inc. It is an association of field trip leaders within the Southeast Federation of Mineralogical Societies who have agreed to join together and share mineral or fossil field trips. CCGMS is a member of the DMC and can participate on DMC field trips.

Our topic for next month will be "Types of Rocks". If you have any web sites that you particularly like or have run across and would like it published in this section, I would like to hear from you. Please email me at rashively@earthlink.net.



Tellus Science Museum Events

All Aboard! Model Train Exhibit, through Mar 29, 2015

All Aboard is a delightful exhibit featuring model trains rolling over 100 feet of railroad track past scenes of an imaginary seaside village. Each scene is amazingly detailed and realistic.

Lunch and Learn:

First, You Explore, Rachel Haynie

Wednesday, January 28, 2015 at 12: 15 PM

Rachel Haynie will discuss her book on Charles H. Townes who won the 1954 Nobel Prize in Physics for his research on the theory and application of the maser, a device that produces and amplifies electromagnetic radiation. Haynie will be available to sign her book after the Lunch and Learn.

Wakeboarding Science, Adam Silcio

Friday, February 20, 2015 at 7 PM

Learn about the history of wakeboarding and how full-size cable wake parks, like Terminus Wake Park in Cartersville, use engineering and physics to provide a wakeboarding experience without the use of a boat.

Lunch and Learn:

Fantastic Fossils + The Stories They Tell, Kerry Cornwell

Wednesday, February 25, 2015 at 12:15 PM

Join our Geology Program Manager Kerry Cornwell as she shares the fascinating stories of ammonites, echinoids, and other fossils found in our Fossil Dig.



I-75 Exit 293

Cartersville, Georgia

770-606-5700

Rock and Mineral Shows

January 29– February 15—TUCSON, ARIZONA: Wholesale and retail show; Eons Expos, 22nd Street Mega-Tent; 600 W. 22nd St.; Daily 9-6; free admission; meet the cast of the TV show "Prospectors", who will be at the show selling their finds; contact Heather Grana, 235 First St., Keyport, NJ 07735; e-mail: Heather@EonsExpos.com; Web site: www.EonsExpos.com

Feb 28—LAKELAND, FLORIDA: Annual show; Bone Valley Gem, Mineral & Fossil Society, FPC of Lakeland; 175 Lake Hollingsworth Dr.; Sat. 9-4:30; adults \$3, teachers, students and children free; special teacher raffle prizes, hourly door prizes, Spin & Win Mineral Wheel, kids' Treasure Dig, demonstrations, educational displays, silent and Chinese auctions, more than 30 dealers, rocks, minerals, fossils, jewelry, gifts, hobby supplies, wire wrapping and cabochon making craftsmen; contact Kim Price, PO Box 2054, Auburndale, FL 33823, (863) 412-9156; e-mail: IBVGMFS@gmail.com; Web site: www.bonevalley.net

Feb 28-Mar 1—JACKSON, MISSISSIPPI: Annual show; Mississippi Gem & Mineral Society, State Fairgrounds; Trade Mart Building; Sat. 9-6, Sun. 10-5; adults \$5, students \$3; gems, jewelry, minerals, fossils, beads, books, lapidary tools, free demonstrations, cutting, faceting, jewelry making, flint knapping, wire wrapping, kids' activities and educational exhibits; contact Ricky Odum, Jr., (601) 750-8765; e-mail: rickyhalffeather@icoud.com; Web site: <http://misssgems.org>

Thanks to Bob Shively for providing the Tellus Science Museum and Rock & Mineral Show information

CCGMS 2015 Board and Chairperson Contact Information

| Office | Member | Phone # | Email |
|---------------------------------|-----------------|--------------|------------------------------|
| President | Paul Lessard | 770-942-0059 | plessard@bellsouth.net |
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| Newsletter Editor | Toby Stewart | 678-417-1786 | ccgms.newsletter@gmail.com |
| Show Chair | Mary Ingram | 770-427-1108 | mandmingram@gmail.com |
| Co-Hospitality | Ginger Lessard | 770-942-0059 | glessard@bellsouth.net |
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| Historian | Edna Morris | 770-445-9274 | mineral469@yahoo.com |
| Door Prizes | Bob Hohn | 770-630-8563 | rchohn@comcast.net |
| Exhibits | Lawrence Parker | 404-213-9727 | lamountainman@tds.net |
| Dealers | Becky Patellis | 770-973-7483 | beckypatellis@mindspring.com |
| Webmaster | Russ Bergs | 678-873-1824 | r_bergs@yahoo.com |
| Publicity | Vacant | | |
| Photographer | Chris Munson | 770-428-9344 | c.munson41@gmail.com |
| Workshop Manager | Al Sorensen | 770-565-8270 | ccgmsmember@att.net |
| Workshop Scheduler | Ken Hunt | 770-262-4584 | huntkr@comcast.net |
| Class Scheduler | Becky Patellis | 770-973-7483 | beckypatellis@mindspring.com |
| Cabbing Instructor | Wes Manley | 770-577-3300 | jwm1mil@bellsouth.net |
| Faceting Instructor | Roy Meade | 770-926-1589 | roydot@bellsouth.net |
| Facebook Administrator | Todd Scott | 404-312-8928 | dataripper@gmail.com |
| Audit | Jim Haege | 770-698-9376 | jim@planetaryparts.com |
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| Awards | Pat Brown | 770-924-4233 | pc.brown@comcast.net |
| Clubhouse Facility Chair | Keith Johnson | 678-556-0243 | sjmooklon@yahoo.com |
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Great Online Links: *(Live links, just click on them!)*

<http://cobbcountymineral.org/> - Our website
http://www.rockhounds.com/rockshop/mineral_id/index.html - Mineral ID
<http://www.amfed.org/> - Federation Information
<http://www.usfacetersguild.org/> - Faceting Information
http://www.amfed.org/sfms/lodestar_newsletter.html - SFMS Federation Newsletter
<http://www.gaminerall.org/> Georgia Mineral Society
<http://www.schoolofgemology.com/> - International School of Gemology
<http://www.tellusmuseum.org/> - Tellus Museum
www.sfmsworkshops.com SFMS workshops

Send Routine Correspondence to: Cobb County Gem & Mineral Society, P.O. Box 680812, Marietta, GA 30068-0014

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Why Join Cobb County Gem and Mineral Society?

1. Great classes and a workshop with lapidary & faceting machines, saws, geode cracker and more, to practice your skills!
2. Interesting monthly meetings, great speakers and delicious refreshments!
3. CCGMS Team field trips to great collecting sites that are close, fun, safe, and mainly free, led by CCGMS Field Trip Team Leaders.



CR Munson

4. Field trips with the DMC and other mineral clubs!
5. A new Jr. Rockhound Program with classes and trips.
6. A new building where we have meetings and workshops.
7. A fun Annual Picnic and Auction with great food & auction items

8. An Annual Gem, Mineral and Jewelry Show & Dinner
9. An Annual Christmas Dinner with gift exchange & award ceremony



A Bair ©

Join our friendly, fun, & fast growing group of gem, mineral & fossil enthusiasts!

Membership Application Cobb County Gem and Mineral Society, Inc.

| | | | | | |
|--|----|-----|---|----------------|--------------------|
| Name: (Last, First) | | | Spouse's name: | | |
| Mailing Address: | | | Names of Children under 18: | | |
| City: | St | Zip | Phone # | | |
| E-Mail Address: | | | Cellphone # | | |
| Secondary E-Mail Address: | | | Occupation: | | |
| Paid Date ____/____/____ Cash ____ or Check No. _____ <small>Make Checks Payable to: C. C. G. M. S.</small> | | | Interests: (circle interests) * indicates Classes Available | | |
| Please check one: <input type="checkbox"/> New <input type="checkbox"/> Renewal <input type="checkbox"/> Address Change <input type="checkbox"/> Other Change | | | Meetings | Field Trips | Open Workshop |
| | | | Jewelry Making * | Cabbing * | Metalsmithing * |
| | | | Faceting * | Wire Wrapping* | Rock & Mineral ID* |
| Notes: | | | | | |

() \$20 per year for E-Mail Newsletter or () \$30 / yr. for Mailed Newsletter

Mail this form to: CCGMS Membership Chair, P.O. Box 680812, Marietta, GA 30068-0014