



GEM SCOOPS



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Pendleton District Gem and Mineral Society

May 2014

Fracking: Pro and Con

President's Remarks

Our May 2014 PDGMS program features a talk on fracking by Dr. Larry Murdoch from Clemson's Department of Environmental Engineering & Earth Sciences. The talk will contain significant information on this now controversial issue.

On past happenings, we had a wonderful talk on fossils last month by Dr. Alan Coulson (Clemson).

Carol and I attended the 2014 Macon County Gemboree Rock, Gem, & Arts Show (the Mother's Day Rock Show) at Franklin, North Carolina on May 10. We had a great time, but purchased too many goodies, including pyrite, fluorite, gypsum, a crinoid, and a huge megalodon shark tooth. Some pictures are attached.

As the weather heats up and John Palmer heads back North to Salem, I would like to rekindle conversations about the club's storage shed. I plan to have this discussion at the May meeting after the fracking talk. Please attend and have your opinion noted.

Looking to future happenings, our June 2014 speaker features a return of South Carolina's Educational TV's Patrick McMillan. More information about this will be in next month's news, but rumors swirl that our club might be engaging in a joint project with the Botanical Gardens.

Robert

JUNE MEETING

The next meeting will be on June 17th featuring Patrick McMillan.

MAY MEETING

WHEN: May 20, 2014

WHERE: Charles K. Cheezem OLLI Education Center

SPEAKER: Dr. Lawrence Murdoch, Clemson University

TOPIC: The Three Faces of Fracking.

Some people view hydraulic fracturing, or *fracking*, as a godsend that brings jobs and security, but others see it as a disaster that contaminates the environment and disrupts communities. These opposing views have fueled a controversy that has made this once arcane technique a household word, but these are not the only perspectives on fracking. Long before it was mentioned by Barack Obama in the State of the Union address, fracking was investigated at Clemson as a technique for improving the remediation of contaminated water and soil. The versatility of the hydraulic fracturing technique has also inspired a new innovation aimed at protecting cities from catastrophic flooding. The approach is to inject solids into flat-lying hydraulic fractures to raise the ground surface above the level of flood waters.

Refreshments will be served and visitors are welcome.

PDGMS

Meeting Minutes

April 15, 2014

Bob Whitmore brought up a few points for consideration regarding the building of a storage shed on John Palmer's land.

1. There should be a contract drawn up with John Palmer.

2. The land should be leased, even if just \$1/year.

Fred said that there's liability insurance coverage through the Southeast Federation.

Suzanne Chandler wants us to get our equipment off her land. The Genies could be used for a class to be held upstairs. This topic will be revisited in May.

The May speaker is Larry Mur-

doch. He will speak on fracking.

The June speaker is Patrick McMillan.

The club will cover the cost of dinner for out-of-town speakers hosted by a club member.

There were 11 people who attended the talk, "From Golden Shells to Frozen Mammoths: How Fossils Are Formed" presented by Dr. Alan Coulson of Clemson University.

Officers for 2014

Robert Lund, President...864-888-8719
John Palmer, V. Pres.....941-545-3713
Carol Lund, Secretary.....864-888-8719
John Ishler, Treasurer.....864-885-9126

2014 Directors

Larry Boller.....864-296-8077
Jim Dusenberry.....864-654-5741
Fred Sias.....864-654-6833
Ted Wallenius.....864-882-3940



2014 SFMS WORKSHOPS

This year the Southeast Federation of Mineralogical Societies continues our long history of offering weeklong classes in Jewelry Making with our 38th annual workshops. Our 2014 workshop program is well underway. Our classes are conducted at beautiful mountain top retreats in North Carolina and in Georgia. They provide a fun filled vacation which includes lodging, food, and instruction for less than the cost of a hotel!

We are offering 2 workshops at Wildacres Retreat in North Carolina and at William Holland Retreat in Georgia. Over 35 classes will be offered at our workshops this year. Well qualified instructors are scheduled for each of the classes. Our website sfmsworkshops.com provides schedules and details for each class as well as information on the instructors. The website also has a pdf registration form that can be filled out and printed to send to the registrar.

The workshops dates for this year are:

William Holland (GA)	Wildacres (NC)
June 8-14	August 18-24
October 12-18	September 22-28

Our classes include the following subjects: Bead Netting; Beading Special Techniques; Bracelets, Bracelets & More; Cabochons; Casting, Chain-Maillé, Beg & Int; Chasing & Repoussé; Cold Connection & Enameling; Faceting, Beg & Int; Flint Knapping; Gem ID; Hammer & Stakes; Jewelry Bench Building; Lampwork; Metal Special Projects; Opal Cutting; Seed Beading; Silversmithing; Silver Filigree; Weaving Freeform Wire Jewelry; and Wire Craft. All classes are not offered at each workshop. See the website or attached schedule for details.

In addition to the classes, we have many other activities associated with our workshops. These include interesting evening programs, campfire (Widacres), our exciting auctions, rocking on the porch, and many other fun activities. A campfire at Wildacres is usually held mid-week (weather permitting), often with a spontaneous sing-a-long or storytelling session, or even student vocals or instrumentals...followed by tasty s'mores! Our much-anticipated auctions are always a hit and offer an opportunity to pick up some nice items at a great price. If this sounds like a great week, it is! We invite you to join us and spread the word about the SFMS workshops. Tailgating is also offered at both locations.

Our first workshop at William Holland is very close at hand. We have openings in most of our classes. If you are interested in a class or know someone who is, please call the William Holland registrar (386-860-5586) **immediately** to reserve a class and a room. Since the 1st session at William Holland is virtually upon us, I have a short recap of the 1st session classes (Note—these are mostly my comments instead of instructor write-ups):

Bracelets, Bracelets & More: This is a class in one of the hottest areas of jewelry making. Tom & Kay will explore the use of a hydraulic press for making their bracelets. They cover lots of styles and techniques. (Rio has an ad for a Hydraulic press class. It is a short 2 day class and costs \$375 plus hotel and meals. We offer 2-3 times as much instruction, excellent food, and a comfortable room for less than their basic price.) This class is being offered at session 1 for William Holland and session 2 for Wildacres.

Cabochons: What can you say about a Cabochon? Well they form the basis for many beautiful pieces of jewelry and a well cut and polished stone is a beauty to see. Pat will take you through the entire process of trimming, grinding, & polishing a well cut stone. She has been doing this for a long time and her work proves that she is really good at it.

Casting: If you want an introduction the professional process of casting, this is your class. Bill has been casting for many years, studied with several experts, and is now operating a specialized business in casting Orchids. If you twist his arm really hard he might even show you some of his Orchids. He also loves to cast small "add-on" objects for his Silversmithing projects. He will teach you proper sprueing techniques to insure good casting results. This may be the most important thing that you will learn since it can allow you to cast large numbers of items in one flask. (Bill's class will also be offered at both sessions for Wildacres.)

Chain-Maillé, Beg & Int: This is a bit of an unusual class. I teach both the beginning and intermediate classes at the same time. Beginners will have a specific set of chains to make early in the class. Later they can try some of the things that the intermediate students are doing for some additional variety. In all cases, students will learn the most efficient method of cutting their own jump rings from wire coils. This is economical and prevents you from having to invest in a large ring assortment. We will concentrate on making bracelets to keep the cost down. Students can make necklaces at any time. In the intermediate class our concentration will be on design. We will work with some new patterns that demonstrate different designs and experiment with beads, crystals, pendants, drops, dangles, and various other pattern enhancement items. Square, Twist, Bead, and other shapes of wire will be made into jump rings to make or enhance bracelets and earrings. Non-Round jump rings will also be made in shapes such as Oval, Triangle, Rectangle, and Diamond. We will discuss a simple mathematical formula to convert the size of the rings for enlarging or reducing the size of the wire. A primary component of both classes is fun and beautiful jewelry projects. (This will also be offered at Wildacres in Sept)

Faceting: Always wanted to cut your own diamond? Well you can't exactly do that since Diamonds are too hard for our machines. You can cut a quartz or other stone replica of a diamond that you will be proud of. Tom's class will teach you the basics of using a faceting machine and correct care for it. You will also learn to read a faceting diagram and cut & polish the stone described in the diagram. This is your class if you always wanted to cut transparent stones.

Hammer & Stakes: Have you ever looked at the beautiful sets of hammers that Fretz has on the market these days? They are so well built & polished that it takes real effort to use them the first few times because you don't want to damage them. Annette's class will cure you from this problem and have you making jewelry that looks as good as the hammers. This is a great class because somehow Annette appears to have more Fretz hammers & stakes than Bill Fretz and she brings them all for you to try out. You will make convex, concave, fluted, and many other types of metal jewelry. I can personally testify that this is a fun class. Where else can you take out all of your tensions by beating a poor piece of metal into a pulp and then end up with a great piece of jewelry!

Lampwork: Cindy's Lampwork class will concentrate on using hollow tubing & puffy mandrels to make hollow beads. Students will also learn to work with dichro, cz's and silver glass. Cindy will provide additional information on metal leaf/foil, encasing, raking, frit, shards and presses. Only your imagination can slow you down in this class.

Silver 1: Jim's class is designed to provide the student with a thorough understanding of fundamental silversmithing techniques. The techniques will include hammering, soldering, sawing, filing, forming and finishing silver. Jim's long years of experience add up to the ability to converse on any metal related topic. Most importantly, Jim will emphasize shop safety and the use of torches. (Currently full – Talk to registrar about waiting list.) (Wildacres offers a similar class at each session.)

The New Seed Bead: A new seed bead? Why not, everything moves on due to progress. In this case, the new seed bead has grown a 2nd hole. Does this 2nd hole make the bead easier to string, harder to string, or is it just different? Well if you have these kind of questions or any others about the new 2-hole Czech beads then this is the class for you. Barbara will have the answers for you and help you learn to design with the new beads. She has demonstrated over many years the ability to make beautiful beads so let her help you with the latest thing in seed beads.

Wire 1: This is a beginning wire wrap class that is designed to help students progress from no wire wrap experience to a level that allows them to make complex designs and be ready for more advanced projects. It is also appropriate for students that have not done any wire wrap for a long period of time. Projects in the class will include earrings, pendants, bracelets, and rings. Sandra has constructed a fun course and covers a tremendous number of techniques in the class.

Registrations for our other workshops are in process at this time. People who are interested in the August, September, and October workshops need to make their reservations **now** to make sure that you get the class that you want. Call the registrar at the number shown on the schedule with any questions that you may have about the workshop or classes. I encourage you to mark the workshop dates on your calendars and plan on joining us for a wonderful jewelry vacation at our enjoyable locations. See you at an SFMS workshop soon.

Roy

Roy Deere, Education Committee Chair

2014 SFMS WORKSHOP CLASS SCHEDULE

SFMSworkshops.com

Workshop Staff

Wildacres Director, Lisa Roberts

10328 Briar Bay Loop
Johnesboro, GA 30238
423-494-7096
678-479-4177

Email: wadirector1314@yahoo.com

Wildacres Registrar, Paula Griffin

PO Box 430
Kingston, TN 37763
865-248-8393
865-406-8801 alternate

Email: waregistrar2014@gmail.com

William Holland Director, David & Leslie Wayment

8802 N US Hwy 1
Suite 10
Sebastian, FL 32958
772-532-6432
772-539-2409

Email: aastainedglass@bellsouth.net

William Holland Registrar, Rosemary van Wandelen

3051 Keyport St.
Deltona, FL 32738-5356
386-860-5586 Home
386-479-1509 Cell
Email: rrborzoi@gmail.com

Education Chairman, Roy Deere

7041 Rodes Place
W. Melbourne, FL 32904
321-725-9179

Email: SFMSeducationdir@gmail.com

The intermediate / advanced classes listed with an asterisk (*) require some prior experience by the student. Experience in a class provided by your local club, Workshop class, or self study may be enough. Please do not exclude yourself, if you're interested in one call the registrar.

SESSION ONE - WILLIAM HOLLAND SUNDAY, June 8-14, 2014	
Bracelets, Bracelets & More	Tom & Kay Benham
Cabochons	Pat Davis
Casting	Bill Harr
Chain-Maillé, Beg & Int	Roy Deere
Faceting	Tom Mitchell
Hammer & Stakes	Annette Gibbney
Lampwork	Cindy Reed
Silver 1	Jim Richardson
The New Seed Bead	Barbara Green
Wire 1	Sandra Bergquist

SESSION TWO - WILDACRES MONDAY, August 18-24, 2014	
Bracelets, Bracelets & More	Tom & Kay Benham
Casting	Bill Harr
Flint Knapping	Michael Miller
Gem ID	Teresa Polly
Jewelry Bench Building	Danny Griffin
*Metalwork Special Projects	Jeff Sheer
Seed Beading	Gail Deluca
Silversmithing	Bev Schabilion
Weaving Freeform Wire Jewelry	Kaska Firor
Wirecraft - Beginning	Rowan Rose-Morgan

SESSION THREE - WILDACRES MONDAY, September 22-28, 2014	
Beading Special Techniques	Haydee Hernandez
Cabochons	Anita Westlake
Casting	Bill Harr
Chain-Maille, Beg & Int.	Roy Deere
Chasing & Repoussé	Tom & Kay Benham
Cold Connections & Enameling	Debora Mauser
Flint Knapping	Michael Miller
Gem ID	Teresa Polly
Seed Beading	Gail Deluca
Silversmithing	Bev Schabilion

SESSION FOUR - WILLIAM HOLLAND SUNDAY, October 12-18, 2014	
Bead Netting	Ronald Midkiff
*Bits & Pieces	Don & Ann Monroe
Cabochons	Ellis Bray
*Faceting II	Tom Mitchell
Lampwork, Beg & Int	Cindy Reed
Opals	Sarah Lee Boyce
*Silver Filligree	Shannon Stafford
Wire	Pat Brown

2014 SFMS WORKSHOP REGISTRATION FORM

WILLIAM HOLLAND

June 8-14, 2014

October 12-18, 2014

WILDACRES

August 18-24, 2014

September 22-28, 2014

PLEASE PRINT LEGIBLY, USE NO ABBREVIATIONS

(Student #1)

Name _____ M F

Club (spell out) _____

Address _____ (Apt) _____

(City) _____ (ST) _____ (Zip) _____

Email _____

Phone _____ Cell _____

American Federation Region _____

Can you walk up a flight of stairs? Y N Do you use a Walker Y N Cane Y N Wheelchair/Scooter Y N Age group <50 >50

Do you smoke? Y N Do you need a handicap room? Y N Are you an early riser or a night owl?

Dietary Considerations or Allergies? _____

Emergency Contact _____

Phone _____ Cell _____

PLEASE PRINT LEGIBLY, USE NO ABBREVIATIONS

(Student #2)

Name _____ M F

Club (spell out) _____

Address _____ (Apt) _____

(City) _____ (ST) _____ (Zip) _____

Email _____

Phone _____ Cell _____

American Federation Region _____

Can you walk up a FLIGHT of stairs? Y N Do you use a Walker Y N Cane Y N Wheelchair/Scooter Y N Age group <50 >50

Do you smoke? Y N Do you need a handicap room? Y N Are you an early riser or a night owl?

Dietary Considerations or Allergies? _____

Emergency Contact _____

Phone _____ Cell _____

Student	1 st Choice	Taken Before?	2 nd Choice	Taken Before?
		Y N		Y N
		Y N		Y N

Accommodations Single Double Roommate _____
 Day Student Campground (William Holland)

(Non SFMS/AFMS Members Add \$50 to all Tuition Fees) **Please mail application and fees (or \$50 Nonrefundable deposit*) to:**

SFMS William Holland Workshop

Rosemary van Wandelen

William Holland Registrar
 3051 Keyport St
 Deltona, FL 32738-5356
 386-860-5586 Home
 386-479-1509 Cell
 Email: rrborzoi@gmail.com

Tuition Cost per Person
 Double Occupancy \$350
 Single Occupancy \$510
 Day Student \$180
 Campground \$300
 (call for details)

SFMS Wildacres Workshop

Paula Griffin

Wildacres Registrar
 PO Box 430
 Kingston, TN 37763
 865-248-8393
 865-406-8801 alternate
 Email: waregistrar2014@gmail.com

Tuition Cost per Person
 Double Occupancy \$365
 Single Occupancy \$525
 Day Student \$195

(* At Education Committee's Discretion)