

# Southern Maryland Rock and Mineral Club



## Rock Talk



## January, 2019

**Next Meeting:**  
**January 22, 2019@7:00 PM**

**Program**  
Ancient Greece and Roadside Geology  
Timothy Foard

**Refreshments**  
Al and Carole Raucheson  
**Clearwater Nature Center, 11000 Thrift  
Road, Clinton, MD.**

Our 2018 Southern Maryland Rock and Mineral Club annual Christmas party was very satisfying this year. Although it was a cold rainy afternoon outside, it was warm and toasty inside as we gathered to talk, eat and relax with each other. The potluck food was truly excellent all around with a super selection of tasty main courses, side dishes, salads, desserts and soft drinks. The big hit, immediately after dinner, was the Chinese gift exchange in which a gift could be "stolen" twice by other people before it was safe to keep. Lots of laughs and fast moving with emotional highs and lows coming in rapid succession. The gifts were really good --- lots of neat rock specimens, rock books, jewelry, cabs, rock hound tools, et cetera. Many items were stolen the max number of times in a lively atmosphere of good natured merriment. Even after the gift exchange ended people stayed there talking with each other for another 45 minutes. A very Merry Christmas was had by all. If you were there, you made a great choice. If you missed it, too bad.

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There were 22 members and 3 staff at the Christmas party



There were 3 tables of gifts for the gift exchange



Nick about to wolf down a brownie while Orion, Kim, and Pamela look on with amazement!



Carole was happy when she stole this item from Jim...



Polly ran the gift exchange-always with a smile



...but a minute later Carole was sad when it was stolen by Arion!

## ITEMS WANTED/FOR SALE

For Sale – Virginia unakite slabs (approx ¼ inch thick) – \$0.50 per square inch (this is half off regular price). Call Dave (240) 427-7062.

For Sale – SMRMC Only 4 remaining t-shirts for sale: size small (1) at \$9.00; and large (3), also at \$9.00 each Contact Tina @ htleague@comcast.net

## UPCOMING SHOWS AND EVENTS 2019

**March: 2 - 3: Annual Delaware Mineral Society Show** hosted by the Delaware Mineral Society. **NEW Location: Doubletree by Hilton** (next to Concord Mall) 4727 Concord Pike (Route 202), Wilmington, DE 19803. **INFO:** <http://www.delminisociety.net/marchshow/marchshow.htm>

**March 8-9: Leidy Microscopical Society Micromount Symposium**, Advent Lutheran Church, 45 Worthington Mill, Rd, Richboro, PA 18954. [www.donmcalarnen@outlook.com](http://www.donmcalarnen@outlook.com)

**March 16-17, 2019: 55<sup>th</sup> Annual GLSMC Gem, Mineral and Fossil Show**, Montgomery County Fairgrounds, Gaithersburg, MD. [glsmc.com/show.shtml](http://glsmc.com/show.shtml)

**March 23-24<sup>th</sup> 50th Annual Rock & Mineral Show** presented by the Che-Hanna Rock &

**Mineral Club. Wysox Volunter Fire Co, 111 Lake Rd., Wysox, PA.**

**March 30-31: Annual Gem, Mineral & Fossil Show** sponsored by the Philadelphia Mineralogical Society and Delaware Valley Paleontological Society. LuLu Temple, 5140 Butler Pike, Plymouth Meeting, PA (PA Turnpike, exit 333 or I-476, exit 20). **Info:** [www.phillyrocks.org](http://www.phillyrocks.org)

## Fossils Hunters

by Dave Lines --- Photos by Rich Simcsak and Dave Lines

It was COLD! Wind chill was around 20 degrees F. But the water temperature of the Chesapeake Bay was a balmy 42 degrees F.

A multiple choice question for you: What's the difference between a Bay fossil and Rich and Dave? A. nothing; B. about 56 degrees F; C. flesh; D. 7 to 20 million years.

Correct answer: It depends. All choices could be correct. Think about it.

We (Rich and Dave) arrived at Matoaka Cabins on the Chesapeake Bay about one mile east of St. Leonard in Calvert County, Maryland on Thursday January 10<sup>th</sup> at 9 a.m.. It was not early enough --- there were already two other guys ahead of us. I later talked with the first fellow and he was *on the beach* at 6:15 a.m.! For Pete's sake --- sunrise was 7:20 a.m.. He said it was so dark that he just sat on a log and waited for 30 minutes for it to get light enough to see. However, he did mention that he had found 5 vertebrae --- proof that the early bird definitely catches the worm – or in this case, finds the best stuff. Oh well --- we were more civilized.



Anyway, after leaving our \$5 access fees at self check-in station at the office door, we made our way down the path to the beach. The wind was still howling from the northwest after blowing hard all the previous day and night. It was clearly a blowout tide. The only trouble was that the tidal levels had been running about 1-1/2 feet *above* normal. Now it was 1 foot *below* normal. So the water of the entire Bay had indeed dropped a full 2-1/2 feet in 24 hours. Impressive wind power!



There were sandbars already showing and predicted low tide was still 2 hours away at 11 a.m.. We headed north where there were freshly exposed cliff falls. Despite the earlier fossil hunters, we began finding small fossil shark's teeth and fossil coral. In about 1/2 mile in front of the newly eroded cliffs, we started finding large rocks of native ironstone and lots of fossil shells --- particularly *Chesapecten* scallop shells. As the water level dropped a few more inches, the sand bars created a buffer from the waves and it became easier (due calmer water) to spot fossils beneath the water --- which was our best chance to find something good, since the stuff on the bare beach had already been picked over by the others.

Fairly quickly, I found a decent *Ecphora* (Maryland's State Fossil) and then Rich found a fossil vertebra about 5 inches long. It was from a porpoise --- pretty large for the species. A nice find. We both found more *Ecphora*, giant fossil barnacles, sections of shrimp burrows, mooncnsnails and even iridescent coal. But no large shark teeth ---- this time. Finding a big Meg (Megalodon shark tooth) is a matter of luck and time. If you go looking often enough, and for enough years, eventually you will find one. About 10 years ago, a couple from New England found a beautiful five inch Meg at Matoaka.

At about 12 noon, we decided we had had enough fun for the day and decided to call it quits.



The next day (Friday), we met at my house at 9 a.m. and rode together out to Purse State Park --- now part of Nanjemoy Wildlife Management Area --- on the Potomac River in western Charles County. Predicted low tide there was about 4 p.m., but the NW wind had continued overnight, so blowout conditions were still in place. Hunting fossils in the winter has pluses and minuses. On the plus side, the tides are generally lower in the winter. The catch this time was that the air

temperature was only 25 degrees and the river water temp was much colder. When we arrived at the beach itself, slush ice was already heaped up about one foot high along the shoreline and the beach surface itself was frozen solid. We found a few small shark's teeth on the beach --- but we had to chip some of them out with a rock hammer. We found some nice specimens of Patuxent River Stone (the Maryland State Gem stone) as we hiked along the beach.



We also found some seaglass, fossil oysters and fossil *Turritella* molds which are shaped like cork screws. We found a few chips of quartzite left over from when an ancient n

Native American had made a projectile point or tool. Again, we found no larger *Otodus* shark teeth or fossil crocodile teeth, but that depends on the condition of the beach. This time, there was a large amount of fine sand on the beach. Maybe it will be more gravelly

next

time.



Oh yeah, it was cold --- witness the walls of giant icicles hanging from the cliffs. But it sure beats working. Until next time, get out there and keep looking. Maybe you will find that big Meg.

### Member's Finds

These photos are some finds by Joe Davis of civil war era artifacts found near mouth of Wicomico River in Southern Maryland. "Since during the American Civil War, Union troops were garrisoned in Southern Maryland to ensure southern sympathizers did not give aid to the Confederates. Joe's finds include brass parts of a harmonica, brass tent grommets, brass pocket knife remains, brass awards medals, and other various brass and copper items. The round flat disks were either buttons or coins --- the largest round disc is probably an 1800's "one cent coin".



Collected any interesting specimens? Send a photo or two to the editor at [bmorebugman@yahoo.com](mailto:bmorebugman@yahoo.com) for inclusion in the next issue of Rock Talk.

**SMRMC OFFICERS**

**PRESIDENT**

Sondra Fielder

[Sondra611@verizon.net](mailto:Sondra611@verizon.net)

**Program Vice President**

Carole Raucheson

[caroleal@verizon.net](mailto:caroleal@verizon.net)

**Membership Vice President**

Joe Davis

[J1964d@netzero.net](mailto:J1964d@netzero.net)

**Secretary**

Cheryl Reese

[cheryl\\_59@comcast.net](mailto:cheryl_59@comcast.net)

**Field Trip Chairman**

David Lines

[Dave.lines@earthlink.net](mailto:Dave.lines@earthlink.net)

**Treasurer**

David Lines

[Dave.lines@earthlink.net](mailto:Dave.lines@earthlink.net)

**Editor**

Timothy Foard

[bmorebugman@yahoo.com](mailto:bmorebugman@yahoo.com)

**Webmaster**

Bob Davison

[Bob.Davison2@yahoo.com](mailto:Bob.Davison2@yahoo.com)



**The Southern Maryland Rock and Mineral  
Club**

**Meetings take place on the 4<sup>th</sup> Tuesday of  
each month at 7:00pm**

**Clearwater Nature Center, 11000 Thrift  
Road, Clinton, MD.**

**For More information, call:**

**(301) 297-4575**

**We're on the web:**

