



# Southern Maryland Rock and Mineral Club



## ROCK TALK

## AUGUST 2022

23 AUGUST 2022 at 1800 (6 PM)

Meeting at OLD WALDORF SCHOOL

(next to the Waldorf JayCees Hall)

North of the RT 301 / RT 5 Intersection

### August Program

Yes, you read it right - a 1800 (6 PM) start for this evening's meeting/program. August is the traditional club auction. Ralph will be the auctioneer as he has done many times before. Joe , Bob, Paula and Pam will assist with keeping all bids recorded and material moving to meet the 9PM (2100) deadline for us to be out of the building. For those bringing material to be auctioned, **PLEASE** label your specimens and flats well and add all pertinent info so buyers will know what they are bidding on and allowing Ralph to keep the auction moving quickly. **Cash is best for payment**, but for special purchases, a check might be accepted. Sorry **NO PLASTIC** tonight. **MEETING WILL START AT 6PM**, and the auction will follow shortly thereafter.

To have an evening we all will not forget, we need maximum participation by all club members. Please attend on Tuesday. You may be truly surprised at what you may be able to take home!

### Southern Maryland Rock, Mineral and Fossil Show - 5 November 2022

Dave still has "openings" to be filled to ensure this first show in many years is a success for the club and the Old Waldorf School. Please come to meeting with clarifying questions for Dave and if this show date fits in with your schedule ( I know it is three (3) months away), positions of responsibility to have the show run smoothly still need to be filled soonest. Be part of this successful event. Volunteer.

### FACEBOOK Page Is Growing!!

Kurt has done a fantastic job with the startup FACEBOOK page for the club. Daily, people are signing up to be part of the truly outstanding informational site. But to make it a site that more people want /have to visit, pictures and stories need to be submitted to demonstrate what we as a club are doing with our loved hobby.

If you have problems, questions or just need to talk about the site -PLEASE - contact Kurt and he will enlighten you with his wisdom and guidance with the site.

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2022 PROGRAMS/REFRESHMENTS SCHEDULE		
MONTH	PROGRAM	REFRESHMENTS
AUGUST 23	Annual Club Auction	Polly, Carole & Ralph
SEPTEMBER 27	Moroccan Agates - Bob Farrar	Greta Gormley
OCTOBER 25	The Fossil Record of Blood - Dale Greenwalt	TBA
NOVEMBER 22	Gold Mine - Dahlonega, GA	Ralph Boswell
DECEMBER TBD	Seasonal Party (??)	Pot Luck (??)

Dates are tentative. Changes are possible due to a multitude of reasons that are always beyond our control.

### JULY 2022 MINUTES

July xx, 2022

JULY MINUTES submitted by Cheryl.  
MEETING WAS CALLED TO ORDER AT 7:03  
by Joe

**VISITORS/NEW MEMBERS:** 15 members in attendance, no visitors Correction: Last

month I stated that we had one visitor which was Paula's mother, Mrs. Kitzmiller. She is a member of the club.

**MEMBERSHIP:** 57 members in club and 74 Facebook members

**EDITOR:** several members did not receive the recent newsletter and Rich said he had

some come back to him. Please update your email with Rich if you are not receiving the newsletter. Rich also provided information on the Danville fossil pit area in Pennsylvania.

**SECRETARY:** June's minutes approved with one correction(see above) Cheryl is stepping down as secretary and Teresa will be taking over. Joe made a motion for the change, seconded and approved. Thank you Teresa.

**TREASURER:** Dave read the monthly report. He also has sent out reminders to club members whose memberships are expired or soon to be expired, so they can renew. Dave is looking for someone to take over the treasury, if interested contact him.

**PROGRAMS:** August is the club auction. Ralph will be the auctioneer and Joe , Bob, Paula and Pam will help. Please label your specimens and flats well with pertinent info so Ralph can keep the time limits down. MEETING WILL START AT 6PM, followed by the auction. Refreshments provided by Polly, Carole and Ralph

**FIELD TRIPS:** Past trip 7/16/22 to US Silica Quarry . 12 members attended, Dave found large garnets which he graciously offered to 1 Tuesday, July 26, 2022 members. Other finds included flash moonstone, bronzeite, blue quartz, massive rutile and ilmenite.

**Upcoming trips: 8/20/22** 8AM to Noon Point of Rocks, MD. Potomac River near Frederick County line. Trip leader Joe will send out "trip info sheet" asap. Location yields unakite, blue quartz, metabasalt, jasper, flint, chert, Native

American artifacts and Potomac marble. No age restrictions on attendees

**9/24/22** Kyanite Corporation mine near Dillwyn, VA this is an annual field trip and the "trip info sheet" will be sent out when we receive official invite from Lynchburg club. This is the largest Kyanite producer in the world. Blue ,red, white, gray and massive kyanite xls can be found as well rutile, red quartz, fuschite, pyrite and iridescent hematite.

**Sept/Oct date TBD** HK Penn-MD Quarry in PA where serpentine, picrolite, antigrolite etc can be found. Joe is also going to talk with Harry and Tina, who belong to numerous clubs in Pennsylvania to see if they have new sites we could go to.

**OLD BUSINESS:** *Rock Show 11/5/22* 25 tables have been sold and 20 more are still available. Dave has sent out invites from list of vendors associated with Richmond club. He wants to start placing flyers for shows for public display(libraries, senior or rec centers, stores ,county fairs, etc). Please ask for permission from location before posting. Urges everyone with the "know how" to post info of the show on social media sites.

**NEW BUSINESS:** Dave shared information about Thomas Hale who has written a book and that has extensive knowledge of Virginia Mineralogy.

**ADJOURNED:** at 7:55 followed by door prizes, refreshments and a fantastic program by Kurt on making paint out of rocks from Paint Branch Creek . We each got our own painting kit to take home. Thank you to Kurt for the hard work, time and money it took for your presentation.

## Calendar of Events

**September 2-5, 2022—RALEIGH, NORTH CAROLINA:** Retail show; Treasures of the Earth, Inc; North Carolina Fairgrounds, Kerr Scott Building, 4285 Trinity Rd; Fri. 12-6, Sat. 10-5, Sun. 10-5, Mon. 10-4; \$8 for adults, 16 and under free; Vendors from across the U.S. bring custom faceted gemstones, beads, pearls, crystals, minerals, and fossils. There is a wide variety of finished jewelry in gold and silver as well as custom-designed jewelry; contact Ellen White, (804) 642-2011; Email: [Ellen@TreasuresOfTheEarth.com](mailto:Ellen@TreasuresOfTheEarth.com); Website: [www.TreasuresOfTheEarth.com](http://www.TreasuresOfTheEarth.com)

**September 16-18, 2022—FISHERSVILLE, VIRGINIA:** Annual show; Shenandoah Valley Gem & Mineral Society; The Augusta Expo - Main Expo Hall, 277 Expo Road; Fri. 2-6, Sat. 10-6, Sun. 11-5; Admission is \$4 for Adults. \$3 for Students & Seniors. Children age 12 & under & Scouts/Military in uniform admitted free - Admission good for all three days. Cash only for tickets; The 54th Annual Gem, Mineral & Jewelry Show is presented by The Shenandoah Valley Gem & Mineral Society - Exhibits from SVGMS members & vendors; minerals, gems & hand-crafted jewelry offered for sale; features, attractions & demonstrations for the entire family; contact Scott Gregory, (727) 542-9723; Email: [showboss@shenandoahvalleyrockclub.org](mailto:showboss@shenandoahvalleyrockclub.org); Website: [tinyurl.com/SVGMS-Show-2022](http://tinyurl.com/SVGMS-Show-2022)

**September 23-25, 2022—RICHMOND, VIRGINIA:** Annual show; Treasures of the Earth, Inc; Richmond Raceway Complex, 600 East Laburnum Ave; Fri. 12-6, Sat. 10-5, Sun. 10-5; \$8 for adults, 16 and under free;

There will be jewelry of all types, custom faceted gemstones, beads, crystals, minerals, and fossils. The RGMS provides displays of Virginia rocks, minerals, fossils and many dinosaur bones; contact Ellen White, (804) 642-2011; Email: [Ellen@TreasuresOfTheEarth.com](mailto:Ellen@TreasuresOfTheEarth.com); Website: [www.TreasuresOfTheEarth.com](http://www.TreasuresOfTheEarth.com)

**September 24-25, 2022—HARRISBURG, PENNSYLVANIA:** Annual show; Central PA Rock and Mineral Club; Harrisburg Consistory, 2701 North Third St; Sat. 10-6, Sun. 10-4; Adults \$6 (\$5 with coupon or ad) Children 12 and under; free; Rocks, minerals, fossils, beads, jewelry! Lots of activities for children; mini mines with free rocks, quarter increment silent auction, and quarter rock wheel, a winner every time, lectures for adults and children by the famous Jeri Jones, (PA authority on earthquakes and volcanoes); contact Betsy Oberheim, (717) 469-2243; Email: [aoberheim3@comcast.net](mailto:aoberheim3@comcast.net); Website: [rockandmineral.org](http://rockandmineral.org)

**September 30 - October 2, 2022—SWANNANOVA, NORTH CAROLINA:** Show; MAGMA, Jacquot & Son Mining; Land of The Sky Shrine Club, 39 Spring Cove Road; Fri. 9-6, Sat. 9-6, Sun. 10-5; Free; 20th MAGMA, Land of the Sky Gem Show! All Are Welcome! Open To The Public. Food and Drink Available Daily. Indoor and Outdoor Vendors offering: Gems, Minerals, Fossils, Artifacts, Rocks, Meteorites, Trinitite, Moldavite, Silver, Gold, Jewelry, Geodes, Crystals and other hobby-related items; contact Rick Jacquot, (828) 779-4501; Email: [rickjacquot@gmail.com](mailto:rickjacquot@gmail.com); Website: [www.AmericanRockhound.com](http://www.AmericanRockhound.com)

**October 7-9, 2022—VIRGINIA BEACH, VIRGINIA:** Retail show; Treasures of the Earth, Inc; Virginia Beach Convention Center, 1000 19th Street; Fri. 12-6, Sat. 10-5, Sun. 10-5; Adults \$8, 16 and under free; Vendors have jewelry of all types, custom faceted gemstones, beads, crystals, minerals, and fossils. The local clubs provide displays, demonstrations and geode cutting on-site; contact Ellen White, (804) 642-2011; Email: [Ellen@TreasuresOfTheEarth.com](mailto:Ellen@TreasuresOfTheEarth.com); Website: [www.TreasuresOfTheEarth.com](http://www.TreasuresOfTheEarth.com)

**October 8, 2022 — MONT CLARE, PENNSYLVANIA:** Annual show; Philadelphia Mineralogical Society; St Michaels Grove, 400 Jacobs St; Sat. 10-6; \$5 Adults, under 13 free, scouts in uniform free; Mineral Treasures Outdoor Show Minerals, Fossils, Gem sales Kids Activities and Free Specimens Snack Bar, Picnic Grounds, Free Parking, Indoor Restrooms; contact Don McAlarnen; Email: [donmcalarnen@outlook.com](mailto:donmcalarnen@outlook.com); Website: [www.phillyrocks.org](http://www.phillyrocks.org)

**October 15-16, 2022 —SOUTH CHARLESTON, WEST VIRGINIA:** Show and sale; Kanawha Rock and Gem Club; South Charleston Recreation Center, 601 Jefferson Road; Sat. 10-5, Sun. 10-5; \$3.50 for adults, Children free when accompanied by paying adults. Coupons available for \$1.50 off.; Best Rock, Mineral, Gem, Fossil and Jewelry Show and Sale in WV - Quality Vendors, Gift items, display items, gemstones, pearls, landscaping and home decor. Top-notch one-of-a-kind handmade jewelry. Rare and interesting fossils. Gold panning, geode cracking, demos, and crafts for the kids; contact Cheryl Lamb, (304) 989-7558; Email: [krclub@gmail.com](mailto:krclub@gmail.com); Website: [Kanawharockandgemclub.org](http://Kanawharockandgemclub.org)

**October 29 2022 - ULTRAVIOLATION Show**  
**Where:** First United Methodist Church, 840 Trenton Rd, Fairless Hills, PA  
**When:** 9:00 AM to 4:00 PM  
**What:** ULTRAVIOLATION is the ULTIMATE annual show for the fluorescent mineral enthusiast, whether a novice or serious collector. The show features many of the world's premier fluorescent mineral COLLECTORS AND DEALERS who strive each year to bring the biggest, brightest and best fluorescent minerals to satisfy the insatiable cravings of the fluorescent collector. ULTRAVIOLATION highlights fluorescent minerals exclusively and is the next best thing to night collecting. Free admission and a fluorescent mineral specimen for each junior mineralogist 12 years and younger when accompanied by an adult.

**Admission:** \$2.00 Donation, Children 12 & Under Free  
**Dealers:** 8' TABLE \$30 – ½ TABLE \$15  
 ADVANCED REGISTRATION FOR DEALERS IS ADVISED. SEND YOUR CHECK MADE PAYABLE TO:  
 Lee McIlvaine, 8510 Elliston Dr. Wyndmoor, PA 19038 or Paypal electronic payment to [leemcilvaine@yahoo.com](mailto:leemcilvaine@yahoo.com); 215-713-8020 or email [uvgeologist@yahoo.com](mailto:uvgeologist@yahoo.com)

**November 5, 2022—WALDORF, MARYLAND:** Show and sale; Southern Maryland Rock and Mineral Club; Old Waldorf School, 3074 Crain Highway; Sat. 9-4; Adults \$5, Seniors (65+) \$4, Juniors (7 to 17) \$3, Under 7 Free; Rocks, Crystals, Fossils, Lapidary, Handcrafted Jewelry, Minerals, Holiday Gifts. Fluorescent Tent. Door Prizes. Free parking; contact Dave Lines, (240) 427-7062; Website: [www.SMRMC.org](http://www.SMRMC.org)

**Scientists decode the origins of Earth's minerals to inform our understanding of other planets - including some that pre-date our planet by billions of years**

<https://www.dailymail.co.uk/sciencetech/article-10980411/Scientists-decipher-unique-origins-Earths-minerals-landmark-study.html>

Nature created 40 percent of Earth's 5,659 recognized mineral species

Water played a dominant role in the formation of over 80 percent of mineral species

41 rare Earth elements - including cadmium, gold, mercury, silver, titanium and uranium - are essential components of 2,400 of the planet's minerals

This work fundamentally changes our view of the diversity of minerals on the planet,' says Dr. Robert Hazen

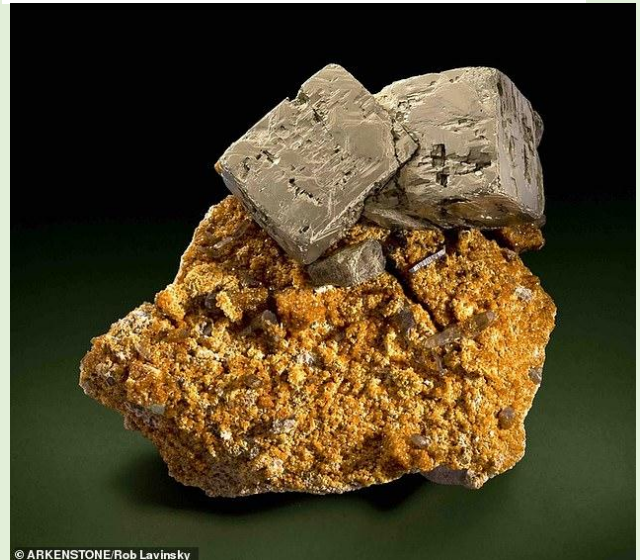
By [CHRISTOPHER CARBONE FOR DAILYMAIL.COM](#)

PUBLISHED: 10:36 EDT, 4 July 2022 | UPDATED: 12:46 EDT, 4 July 2022

Scientists have unlocked the mysterious origins of Earth's minerals and detailed their diverse formation over billions of years, finding evidence for the role of water and rare elements in their formation, as well as 297 that pre-date our planet's birth.

Nature created 40 percent of Earth's 5,659 recognized mineral species and in some instances used more than 15 unique recipes to produce their crystal structure and chemical composition.

The scientists found that water played a dominant role in the formation of over 80 percent of mineral species and that 41 rare Earth elements - including arsenic, cadmium, gold, [mercury](#), silver, titanium, zinc, uranium and tungsten - are essential components of about 2,400 of the planet's minerals.



© ARKENSTONE/Rob Lavinsky

**Nature has used 21 different ways over the last 4.5 billion years to create pyrite, also known as fool's gold, the mineral world's champion of diverse origins.**

This work fundamentally changes our view of the diversity of minerals on the planet,' says Dr. Robert Hazen, co-author of the study and a staff scientist with the Earth and Planets Laboratory, Carnegie Institution for Science, in Washington DC, in a [statement](#).

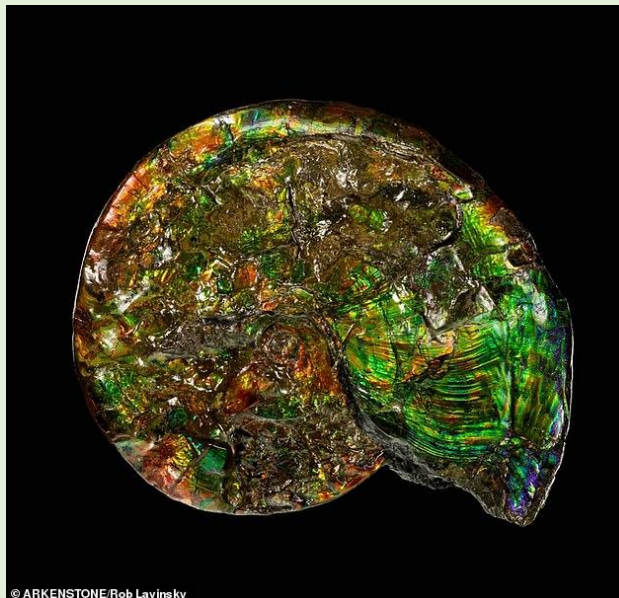
Nine of the 5,659 recognized mineral species surveyed by scientists came into being via 15 or more different physical, chemical and/or biological processes - which included everything from near-instantaneous formation by lightning or meteor strikes, to changes caused by water-rock interactions or

transformations at high pressures and temperature spanning hundreds of millions of years.

Scientists found that pyrite, known as fool's gold, has been formed in 21 different ways, making it the champion of diverse origins.

Pyrite can form at high and low temperatures, with and without water, with the assistance of microbes and also in harsh environments where life plays no role at all.

In contrast, diamonds have originated in at least nine ways, including condensation in the cooling atmospheres of old stars, during a meteorite impact, and under hot ultra-high-pressure deep within the Earth.

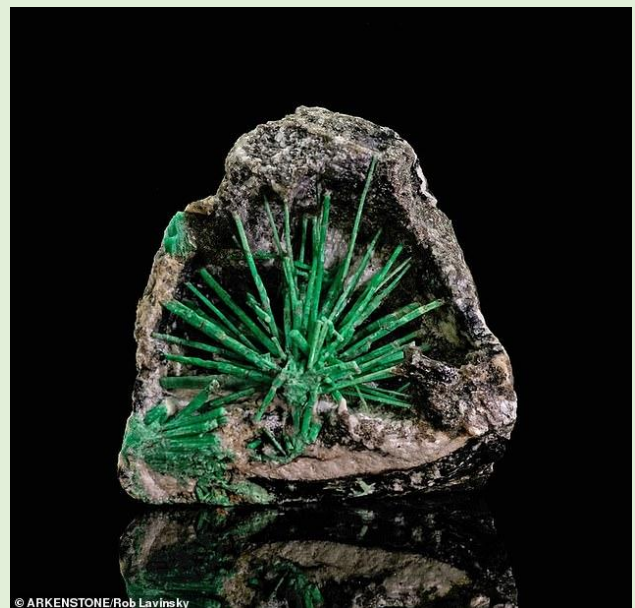


Minerals can be key to reconstructing the entire 'past life' and predicting the "future life" of Earth,' researcher say. Pictured above is a stunning example from Alberta, Canada of a biomineral -- an intersection of minerals and life

The remarkable work of Hazen and Morrison provides a potential way to predictably discover possible minerals in nature,' Anhuai Lu, president of the Mineralogical Association and professor at Peking University's School of Earth and Space Sciences in Beijing, China, explains.

Minerals can be key to reconstructing the entire 'past life' and predicting the "future life" of Earth,' and understanding mineral evolution 'will offer a novel path for us to be able to explore deep space and search for extraterrestrial life and habitable planets in the future.'

According to the paper's abstract, the timeline for mineral formation on Earth suggests that most of that diverse was established in the planet's first 250 million years of existence.

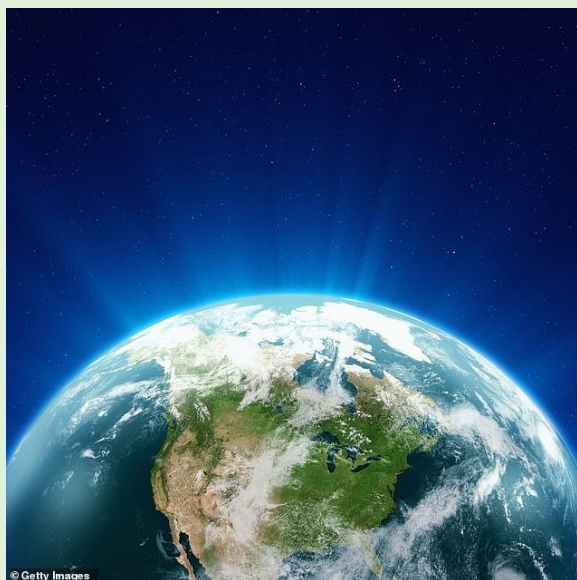


Pictured above: Beryl, the most common mineral containing the element beryllium, comes in many beautiful colors such as emerald — its common name

This has meaningful implications for determining if we are truly alone in the universe.

If life is rare in the universe, then this view of a mineralogically diverse early Earth provides many more plausible reactive pathways over a longer timespan than previous models,' the authors write.

If, however, life is a cosmic imperative that emerges on any mineral- and water-rich world, then these findings support the hypothesis that life on Earth developed rapidly in the early stages of planetary evolution.'



**Approximately 4.45 billion years ago, when water first appeared on Earth, the earliest water-rock interactions may have produced as many as 350 minerals in near-surface marine and terrestrial environments, researchers say. Pictured above is Earth.**

Once they had factored in mineral genesis, researchers came up with a total of over 10,500 'mineral kinds' - a newly coined term - which is about 75 percent more than

the 6,000 mineral species officially recognized by the International Mineralogical Association.

What mineral-forming environments occur on the Moon, Mars, and other terrestrial worlds?' the authors ask.

If Mars had (or still has) a hydrological cycle, what mineralogical manifestations might we expect?

On the other hand, if the Moon is truly dry, then what paragenetic processes are excluded?'

Paragenetic simply refers to a set of minerals that were formed together.



**The sharp contrast between Earth's large complement of minerals and the relative mineralogical parsimony of the Moon and Mercury, as well as the modest diversity found on Mars, stems from differing influences of water, the authors say. Pictured is an image from Mars released by the China National Space Administration**

And do extraterrestrial bodies display paragenetic processes not seen on Earth, such as cryo-volcanism on Titan?'



Hazen and colleagues have changed this way of considering minerals. In addition to chemical composition and physical properties, Hazen emphasizes their conditions and contexts of formation, and a new way of seeing minerals appears,' says Professor Patrick Cordier, of the Institut Universitaire de France.

Minerals become witnesses, markers of the long history of matter that takes shape in supernova explosions, gathers in planetary

systems in formation and even, on a planet like Earth, accompanies the emergence and development of life.

Most scientists produce data, some are lucky enough to make discoveries, few are the ones who transform our view of the world. Hazen is one of them.'

Their work was published in the journal [American Mineralogist](#) on July 1.

## **WILDACRES – Fall Session – September 5-11, 2022**

The Fall Session of Wildacres (September 5-11) is open for registrations. Wildacres, sponsored twice a year by the Eastern Federation of Mineralogical Societies (EFMLS), provides room and board, classroom instruction with a small number of students, lectures by the Speaker-In-Residence, a tailgate with a chance to buy or sell hobby related items, an auction, a chance to meet old friends and make new ones, the comradery of being with others in the hobby, to name a few perks of attending Wildacres sessions. All this for a very reasonable fee. The fee not only includes the instruction, but room and board as well. Why not join the thousands who have attended Wildacres, made lasting friendships, took home new skills and knowledge, and much more. This is saying nothing about the bond of friendship and fun while being on top of the mountain. EFMLS WILDACRES HISTORY In 1973, the Eastern Federation began a new venture –

Wildacres. Located just off the Blue Ridge Parkway near Little Switzerland, NC, Wildacres is a non-profit facility dedicated to the betterment of human relations. The first session was held in August 1973 and several years later the second session was added. Since then, there have been many years of providing excellent instruction in new and old areas of the hobby!

### **FALL SESSION,**

September 5-11, 2022 Classes – Whether looking to learn a new aspect of the hobby or just wanting to improve your knowledge and skills in an area you already know, with seven (7) classes to choose from, there is sure to be a class for anyone.

See Wildacres 2022 Fall Class Schedule for a description of the class offerings. Registration – Fill in and follow the instructions on the Registration Form to register. Note that single rooms will be available for an additional fee.

QUESTION? If you have any questions, concerns, etc. for either session, you can contact: Steve Weinberger,

Chairman of the Wildacres Committee  
(cscrystals2@gmail.com) Suzie Milligan,  
Registrar – for info regarding registration  
(smilligan@stny.rr.com or 607-687- 5108)  
Mark Kucera, Director – for info regarding  
classes and instructors  
(mark\_j\_kucera@yahoo.com or 914-423-  
8360)

### ODDS and ENDS

[Why The Importance Of This Artifact  
Cannot Be Overstated! - Arrowhead  
Hunting](https://www.youtube.com/watch?v=BL86Q7eE-A4)

[https://www.youtube.com/watch?v=BL86  
Q7eE-A4](https://www.youtube.com/watch?v=BL86Q7eE-A4)

[The San Juan Triangle](https://www.youtube.com/watch?v=KGsKh_JQX5I)

[https://www.youtube.com/watch?v=KGsKh  
\\_JQX5I](https://www.youtube.com/watch?v=KGsKh_JQX5I)

[Northern Virginia Trap Rock Quarries](https://www.youtube.com/watch?v=jycQ9ecE0d8)

[https://www.youtube.com/watch?v=jycQ9  
ecE0d8](https://www.youtube.com/watch?v=jycQ9ecE0d8)

[Impact crater may be dinosaur killer's baby  
cousin](https://www.bbc.com/news/science-environment-62575581)

[https://www.bbc.com/news/science-  
environment-62575581](https://www.bbc.com/news/science-environment-62575581)

[Arrowhead Hunting in Pennsylvania, U.S.A.](https://www.youtube.com/watch?v=eMig_150AtQ)

[https://www.youtube.com/watch?v=eMig\\_  
150AtQ](https://www.youtube.com/watch?v=eMig_150AtQ)

[More arrowheads in Maryland](https://www.youtube.com/watch?v=5azcr_lqsiY)

[https://www.youtube.com/watch?v=5azcr\\_  
lqsiY](https://www.youtube.com/watch?v=5azcr_lqsiY)

[4/20/19 Arrowhead hunting plowed field in  
Maryland](https://www.youtube.com/watch?v=e899KgEAwEU)

[https://www.youtube.com/watch?v=e899K  
gEAwEU](https://www.youtube.com/watch?v=e899KgEAwEU)

[Arrowheads of The Eastern Shore](https://www.youtube.com/watch?v=M-yfA-hoqMM)

[https://www.youtube.com/watch?v=M-  
yfA-hoqMM](https://www.youtube.com/watch?v=M-yfA-hoqMM)

[Maryland's Prehistoric 10,000 Year Old Pig  
Point Site](https://www.youtube.com/watch?v=l10XxMA_25w)

[https://www.youtube.com/watch?v=l10Xx  
MA\\_25w](https://www.youtube.com/watch?v=l10XxMA_25w)

[Arrowhead hunting in Southern Maryland,  
November 2021](https://www.youtube.com/watch?v=r3mbgIWz36E)

[https://www.youtube.com/watch?v=r3mbg  
IWz36E](https://www.youtube.com/watch?v=r3mbgIWz36E)

[Gem Crystal Pegmatite Pocket Formation  
and Survival](https://www.youtube.com/watch?v=BfhGKwtHChs)

[https://www.youtube.com/watch?v=BfhG  
KwtHChs](https://www.youtube.com/watch?v=BfhGKwtHChs)

[Little magnets, big geodynamics](https://www.youtube.com/watch?v=K6q4rhb6u1k)

[https://www.youtube.com/watch?v=K6q4  
rhb6u1k](https://www.youtube.com/watch?v=K6q4rhb6u1k)

[20 Most Dangerous Minerals in The World](https://www.youtube.com/watch?v=5MwSV1_vgFA)

[https://www.youtube.com/watch?v=5Mw  
SV1\\_vgFA](https://www.youtube.com/watch?v=5MwSV1_vgFA)

[Guide | McAdoo Pa | What to Expect When  
Visiting | Treasure Hunting In An OLD MINE!](https://www.youtube.com/watch?v=5E4mBUG6HvA)

[https://www.youtube.com/watch?v=5E4  
mBUG6HvA](https://www.youtube.com/watch?v=5E4mBUG6HvA)

[How to Find Crystal Hunting in Mcadoo  
Pennsylvania USA easy DIY](https://www.youtube.com/watch?v=QNM-DeMndMc)

[https://www.youtube.com/watch?v=QNM  
-DeMndMc](https://www.youtube.com/watch?v=QNM-DeMndMc)

**SOUTHERN MARYLAND ROCK, MINERAL,  
AND FOSSIL SHOW**

**SATURDAY NOVEMBER 5,  
2022**

9 am to 4 pm

**OLD WALDORF SCHOOL** (next to JayCees  
Hall) 3074 CRAIN HIGHWAY (Rt 301), WALDORF MD  
20601

ADMISSION DONATION: ADULTS \$5.00, SENIORS  
(65+)\$4.00, JUNIORS (17-7) \$3.00, UNDER 7 FREE

THE HOLIDAYS ARE COMING\*\*STOP BY,  
WE HAVE LOTS OF

**UNIQUE GIFTS**

FREE PARKING \* DOOR PRIZES \* OVER 45 TABLES  
\*ROCKS \*CRYSTALS \*FOSSILS \*HANDCRAFTED JEWELRY  
\*LAPIDARY \*MINERALS \*FLUORESCENT TENT \*DISPLAYS

SPONSORED BY SOUTHERN MARYLAND ROCK AND  
MINERAL CLUB WEBSITE: [WWW.SMRMC.ORG](http://WWW.SMRMC.ORG)  
FOLLOW US ON FACEBOOK: Southern Maryland Rock and  
Mineral Club

VENDOR APPLICATIONS OR QUESTIONS? CONTACT  
DAVE LINES THRU WEBSITE: [SMRMC.org](http://SMRMC.org)

**NATIVE AMERICAN TRIBES THAT WERE LOCATED IN MARYLAND**

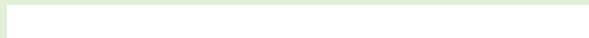
A S K I M I N O K O N S O N P  
 E K A E P A T A M T R P Y I X  
 X M A R Y L A N D F L O S R K  
 A S S A T E A G U E L C R A C  
 C E K O C I T N A N A O G M O  
 C Y R G S E L K Y T G M O E N  
 O T T A V G N X A U T O C R N  
 H X P I W A W W O S U K I I A  
 A O T Y T R A A T C T E M C H  
 N A H P O Y R B T A E R O A E  
 N Y O Q C Q O B H R L D C N U  
 O H G O T W Q A W O O R A S Q  
 C X N L E N A P E R X O Y R S  
 K O A C D C Y L L A G F E X U  
 Y R K C E M O N N A S S A M S

American Native Tribes that were known at one time to be located in Maryland. My apologies if I have missed any tribes.

**ACCOHANNOCK  
 AMERICAN  
 ASKIMINOKONSON  
 ASSATEAGUE  
 CHOPTANK  
 LENAPE  
 MARYLAND**

**MASSANNOMECK  
 MATAPEAKE  
 NANTICOKE  
 NATIVE  
 PISCATAWAY CONOY  
 POCOMOKE  
 SAPON**

**SUSQUEHANNOCK  
 TUSCARORA  
 TUTELO  
 YACOMICO**





**The Southern Maryland Rock and Mineral Club**  
Meetings take place on the 4<sup>th</sup> Tuesday of each month at  
7:00pm  
Held at the OLD WALDORF SCHOOL  
Next to the Waldorf JayCees Hall  
3074 Crain Highway, Waldorf, MD 20601  
North of the RT 301 / RT 5 intersection  
We're on the web: [SMRMC.ORG](http://SMRMC.ORG)

<b>SMRMC OFFICERS</b>	
<b>PRESIDENT</b> Joe Davis	
<b>Program Vice President</b> Carole Raucheson	<b>Membership Vice President</b> Kurt Knower
<b>Secretary</b> Teresa Jones	<b>Webmaster</b> Bob Davidson
<b>Field Trip Chairman</b> David Lines	<b>Treasurer</b> David Lines
<b>Rock Talk Editor</b> Rich Simcsak	<b>FACEBOOK Coordinator</b> Kurt Knower

**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

