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1st Place, 2016 SCFMS Mini-Bulletin

1st Place, 2015 SCFMS Mini-Bulletin

## MINERAL WITH THE HARDEST TO PRONOUNCE NAME - JEREMEJEVITE

Don Shurtz, Pleasant Oaks Gem and Mineral Club of Dallas  
From the January – February SCFMS Newsletter

The best way to describe the mineral Jeremejevite is “rare”. It is also extremely difficult to pronounce its name. Jeremejevite has origins in Germany, and in German the “J” is pronounced more like a “Y” – for instance “ja” (yes) is pronounced “ya”. So Jeremejevite would be “yer-eh-may-yeh-vite” or “yer-eh-may-yehv-ite” or even “ye-rem-ay-ev-ite” depending on the source you are listening to. If you listen to the pronunciation on some web sites you will also here it pronounced with a “j” or soft “g” sound such as “jer-eh-me-ger-vite”, but these do not match the German origin of the name. The bottom line is that is as difficult to pronounce its name as the mineral is rare.



the exception being red diamonds. Its rarity is on a par with Red Beryl that is found only in Utah and New Mexico.

Jeremejevite’s chemical formula is  $Al_6B_5O_{15}(F,OH)_3$ . The color can be clear, yellow, or blue. Those from Germany are generally of the blue color. It has a Mohs hardness of 6.5 to 7.5 and exhibits a white streak. Although most cut Jeremejevites are less than a few carats, the Smithsonian has a 12.78-carat specimen and the Perot Museum has a 43-carat specimen. The Smithsonian specimen is clear and has numerous hollow tube inclusions stained by iron. The Perot

Jeremejevite was originally identified as a unique mineral in 1883. The mineral was initially found in the Adun-Chilon Mountains of Siberia but has since been found in Tajikistan, Namibia, Germany, and most recently in Madagascar. Jeremejevite is named for the Russian Mineralogist Pavel Eremeev; his last name becomes Jeremejev in German, thus the source of the name. It normally shows up in top 10 lists for rare and expensive gems ranging from 9 to 2



in most lists. It is significantly rarer than most diamonds,  
**Chips and Chatter**

Pleasant Oaks Gem and Mineral Club of Dallas, TX

Museum specimen is clear and, if you examine it closely, you can see a red crystal inclusion under the table facets. For many years, the largest cut Jeremejevite was a 59.68-carat that is pale blue in color. However, recently a faceted 106.5 carat Jeremejevite has been documented by the American Gemological Laboratories.

### Ref:

- Proquest, <http://search.proquest.com/>
- Smithsonian National Museum of Natural History, <http://geogallery.si.edu/>
- Wikipedia, <https://en.wikipedia.org/wiki/>

### Pictures:

- Blue Crystals: Rob Lavinsky, iRocks.com – CC-BY-SA-3.0
- Faceted Stone: Don Shurtz, specimen on display at Perot Museum of Nature and Science

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## Show Calendar – Upcoming Show Dates

Jan – FEB, Quartzite, AZ, numerous shows, see <http://www.desertusa.com/cities/az/quartzsite.html>

Jan 20 – 13 Feb, Tucson, AZ, numerous gem and mineral shows, see <http://www.tucsongemshows.net/coming.html>

Feb 18 – 19, Georgetown, TX, Williamson CO. G&MS, <http://www.wcgms.org/>

Feb 25 – 26, Pasadena, TX, Clear Lake G&MS, Pasadena Convention Center, [temp3@mflan.com](mailto:temp3@mflan.com), [www.clgms.org](http://www.clgms.org)

Feb 25 – 26, Plainview, TX, Hi-Plains G&MS, Ollie Liner Center, [bobcat22@suddenlin.net](mailto:bobcat22@suddenlin.net)

Mar 4 – 5, Big Spring, TX, Big Spring Prospectors Club, Howard Count Fair Barn, [lolabellelamb@yahoo.com](mailto:lolabellelamb@yahoo.com)

Mar 4 – 5, Robstown, TX, Gulf Coast G&MS, Regional Fairgrounds, [rockcamp\\_speaker@outlook.com](mailto:rockcamp_speaker@outlook.com), [www.gcms.org](http://www.gcms.org)

Mar 11 – 12, San Antonio, Southwest G&MS, San Antonio Event Center, [krbotx@gvtc.com](mailto:krbotx@gvtc.com), [www.swgemandmineral.org](http://www.swgemandmineral.org)

Mar 17 – 19, Albuquerque, NM, Albuquerque G&MS, Expo NM State Fairgrounds, [paulhlava@q.com](mailto:paulhlava@q.com), <http://agmc.info>

Apr 8 – 9, Abilene, TX, Central Texas G&MS, Abilene Civic Center, [kmcdaniel23@suddenlink.net](mailto:kmcdaniel23@suddenlink.net),

Apr 8 – 9, Siloam Springs, AR, Northwest Arkansas G&MS, Siloam Springs Community Building, [hulagrub@aol.com](mailto:hulagrub@aol.com),

Apr 14 – 16, Alpine, TX, Chihuahua G&MS, Alpine Civic Center, [paulgraybeal@moonlightgemstones.com](mailto:paulgraybeal@moonlightgemstones.com)

Apr 29 – 30, Waco, TX, Waco G&MC, Extraco Events Center, [bennettje70@gmail.com](mailto:bennettje70@gmail.com), [www.wacogemandmineral.org](http://www.wacogemandmineral.org)

**Nov 10 – 12, Humble, TX, Houston G&MS and SCFMS Convention, Humble Civic Center**

Ref:

- January - February 2017 SCFMS Newsletter
- Rock & Gem Show Calendar, <http://www.rockngem.com/show-dates-display/?ShowState=ALL>

### A Word from the <AFMS> President

By Ron Carman, AFMS President

From the February 2017 AFMS Newsletter



In November my wife and I had the privilege of going to the Southeast Federation convention and show in Marietta, Georgia. We did some long driving, visiting nine states in eight days, returning through Little Rock, Arkansas to spend Thanksgiving with my wife's mother. One thing we both noticed was the colorful displays of fall foliage so late in November. The Cobb County Gem and Mineral Society put on a fine show and Friday evening they held a cracker barrel session at their clubhouse, which is located fairly close to both the host hotel and the show site. Excellent job, folks! During the coming year I will try to attend all the federation shows and meet as many as I can from all the federations. Since I am a do-it-yourself mineral collector, I naturally like to combine field trips with these visits to the various federations. This show location wasn't far from South Carolina, so after the show I made a trip to the Diamond Hill Mine. One member who had been there gave me some advice on what to look for at that mine, and I'm glad to say he was quite correct; I found some nice quartz specimens and even a little amethyst. This is one of the many advantages of federation membership – the ability and willingness to share your experiences and information with others. Now I'm looking forward to visiting the next federation show which hopefully be in warmer weather.

Now that winter is here, it's time to think about planning field trips for the coming year. I don't need to remind everyone to be sure and follow the Code of Ethics to help ensure that collecting sites remain open to collecting. All too many sites have been closed due to careless persons having accidents or just thoughtless persons leaving litter and trash behind. Safety is the most important consideration on any collecting trip, and our safety chairman has been putting some very useful hints in past newsletters. Winter time is also a good time to clean some of those specimens collected during the past year and find places to put them – maybe in a display for the next show? I already have some interesting trips planned for 2017 and look forward to meeting as many of you as I can!

Here's hoping everyone enjoyed the holidays and has a Happy New Year!

Ron

*Chips and Chatter*

Pleasant Oaks Gem and Mineral Club of Dallas, TX

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## DO ROCKS MOVE?

Mary Owens, ETGMS

From the January-February 2017 SCFMS Newsletter

**Have you ridden on a windy road  
Among the tall looming mountain tops,  
And, seen the beautiful formations  
Made by the many tipped outcrops.  
Of Rocks sitting here and there so still,  
Not dreaming that one of them may fall  
And block your roadway or smash your car,  
Causing your journey a great big stall.  
This won't happen, you know rocks can't move.  
They lay real still where ever they are.  
So, driving on in sheer unconcern  
You glimpse a quick movement from afar.  
A startled reaction makes you skid,  
As you pump your brakes trying to stop  
Before that rock that can't move slides down  
From its high perch on that mountain top,  
And proves to all that a rock can move.  
Without the touch of a hand or shove,  
Without the brush of a living thing.  
It's how Mother Nature shows her love.**



### Pictures

- Rockslide, picture by USGS, released to Public Domain, from Wikimedia Commons, <https://commons.wikimedia.org/wiki/>
- Signs from January-February SCFMS Newsletter, [http://www.scfms.net/Newsletters/2017\\_JAN\\_FEB\\_SCFMS\\_NEWSLETTER.pdf](http://www.scfms.net/Newsletters/2017_JAN_FEB_SCFMS_NEWSLETTER.pdf)

## Rock Talk

Walter Beneze, SCFMS President

From the January – February 2017 SCFMS Newsletter

Happy New Year, I hope things have started out on a good note.

If your club has not updated your Club Officers form yet, please be sure to that done as soon as you have had your elections. You can get the form on our website, [www.scfms.net](http://www.scfms.net). Download it, fill it out, and get the information to our Executive Secretary and Directory Chair so you can be included in our 2017 Directory. The directory is a great tool that everyone can use to find show dates and officer information for all the clubs in the SCFMS, be sure you are on the list!



Is your club growing? If it is would you please share with us what you are doing to at-tract new members? In Lubbock, we have had the great fortune to have new inroads to a student group at Texas Tech with the geoscience department. We are engaging in talks of collaborative events that will benefit both clubs, and some of the students have joined our club as well. Getting new members involved in the leadership is bringing new ideas and will keep us on track to expand our base and our outreach in educating others about our hobby. Is there another club in your area that shares some of the same interests in the Earth Sciences? Perhaps you should make contact and see if there is a way you too can benefit from discussions about mutual interests.

Whatever you are doing to grow your club, please write up an article and send it to our newsletter editor ([scfmseditor@yahoo.com](mailto:scfmseditor@yahoo.com)) Susan Burch, for inclusion in future newsletters, we all need new ideas.

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## Field Trip Announcement

**Martin Marietta Cement Factory in Midlothian is going to allow scheduled Field Trips to continue!** David has scheduled a field trip for Saturday, February 26<sup>th</sup> 2017. There will likely be two time slots available, but David is working out the details. Please contact David by email at [RockTrading@aol.com](mailto:RockTrading@aol.com) if you wish to attend. David will be sending out an email with details once there are finalized. Our Thanks to Martin Marietta for allowing us to visit, and to David for following up and getting a field trip back on the schedule.

### Safety Matters: Seeing the Light

By Ellery Borow, AFMS Safety Chair  
From the February 2017 AFMS Newsletter

If you are seeing the light, the ultra violet (UV) light that is, there may be a problem. Many of the shows I visit offer a display / exhibit / darkened booth highlighting the amazing effects of ultra violet reactive minerals for show patrons to see. Such displays are really great to see at shows because they offer a view of minerals and rocks most folks never have the opportunity to see.

While many of the UV exhibits I have seen offer sufficient safe guards for the public, some could be better at protecting the club members working the display and the general public.

In you exhibit are folks provided with sufficient eye protection and bare skin protection? Is sufficient attention being paid to reflective surfaces? Are the lights angled sufficiently well to illuminate the minerals and rocks and keep the UV rays out of patron's eyes?

Even short term exposures to UV can have harmful effects. One of the examples I like to cite is about UV reflections. Take the story of a group of people out on a boat and enjoying some sport (catch and release) fishing. Imagine that all the folks are wearing baseball caps with visors to protect their heads and faces from harmful UV ray sunburn effects. At the end of the day there will be folks showing no signs of sunburn because they wore the proper amount of sun screen. There are also most likely going to be folks at the end of the day who are quite sunburned, right to the very underside edge of the baseball cap where its headband touches the forehead.

How might the sun's harmful UV rays have reached under the visor right to the person's forehead to create a sunburn

in the area they should have been protected by the visor? In a word, the answer is – reflections. The surface of the ocean is not flat, it is covered by waves. Those waves act as curved reflectors to reflect the sun's harmful UV waves upward and right underneath a person's visor-covered forehead. The same can happen on a smaller scale in a show's UV mineral booth. UV can be reflected by some mineral surfaces up onto the bare skin and unprotected eyes of show patrons and club members tending to the booth.

Under most circumstances the amount of exposure is relatively minimal except for those who remain in the booth for extended periods of time – such as the folks tending the booth and those curious show patrons who just can't get enough of the beauty and curiosity of UV illuminated minerals. Some suggested solutions to UV overexposure include:

- Wear eye protection for extended viewing or working in the vicinity of UV light
- Wear sunscreen protection on exposed skin
- Minimize reflections of UV light toward viewers – reflections may come from the display material and/or the minerals themselves.
- Angle the UV lights so no one, especially small children, can kneel down and look up into the UV lamp housing or bulbs
- Offer protective eye-wear temporarily to patrons who wish to use it, even if for short exposure times.
- Take periodic breaks from being under strong UV illumination

We encourage shows to offer exhibits of UV minerals and rocks because such displays always seem to be a great attraction. We also encourage sufficient protections and safeguards be utilized with such exhibits. As always, we hope you safely see the light because your safety matters.

### Visit an Area Club

[Arlington Gem & Mineral Club](#), 1408 Gibbins, Arlington, TX, 1st Tuesday of each month at 7:30 pm  
[Cowtown G, M, & Glass Club](#), meets the 2<sup>nd</sup> Tuesday at 7:00 pm, Corp. Emp. Rec. Association (CERA) 3300 Bryant Irvin Rd. Fort Worth  
[Dallas Bead Society](#), meets 1<sup>st</sup> Saturday of each month at The Point at CC Young, 4847 W. Lawther Dr., Dallas, TX  
[Dallas Gem & Mineral Society](#), meets the 3<sup>rd</sup> Tuesday of each month at 7 pm, American Legion, 10205 Plano Rd, Dallas (next to their shop)  
[Dallas Paleontological Society](#), 2<sup>nd</sup> Wed. of each month at 7:30 pm, Brookhaven College, Building H, 3939 Valley View Lane, 75244  
[Fort Worth Gem & Mineral Club](#), 4<sup>th</sup> Tuesday of each month at 7:30 pm, 3545 Bryan Avenue, Ft. Worth  
[Oak Cliff Gem & Min Soc.](#), 4<sup>th</sup> Tuesday of each month at 7:30 pm, Unitarian Universalist Church, 3839 W. Keist Blvd, Dallas,  
[Pleasant Oaks Gem & Mineral Club](#), meets the 1<sup>st</sup> Thur. of each month at 7:30 pm, Garland Women's Activities Bldg., 713 Austin, Garland,

## Pleasant Oaks Gem & Mineral Club of Dallas Purpose

The Pleasant Oaks Gem and Mineral Club of Dallas is organized for charitable and educational purposes to promote interest in the various earth sciences, particularly those hobbies dealing with the art of cutting and polishing gemstones, the science of gems, minerals and metal crafts, as well as their related fields.

### President's Message

Ling Shurtz, POGMC President

The January IGEM show is now history. Set up was a breeze and the retail side was completed by noon. Friday was slow – very few attendees. Saturday and Sunday were much better as far as attendance and also club member sales. This month we will support the STEM Fair at Brookhaven and the Regional Science and Engineering Fair at Fair Park.

### Club Officers for 2017

President: Ling Shurtz  
1st VP, Programs: Carolyn Grady  
2<sup>nd</sup> VP, Field Trips: Open  
Secretary: Lee Elms  
Treasurer: Del Grady  
Editor: Don Shurtz  
E-mail: don.shurtz@gmail.com,  
l.shurtz@gmail.com

### Minutes of the December 2016 Meeting

The January 5th 2017 club meeting was called to order at 7:35pm by Ling Shurtz.

The Pledge to the flag was led by Carolyn Grady.

Sunshine report: Warner is in rehab after his 2nd surgery on his leg. Butch and Patti are still having their health issues too. So far we haven't heard how Hat is doing with his back.

Visitors: Ron and Cynthia Tonn have joined us tonight. They live in Wylie, and we are glad they came to the meeting this evening. We were also glad to see Lisa again. She is a friend of Cheryl and she drove her to the meeting tonight. Cheryl is still recuperating from her hip surgery.

Minutes: There were no minutes for December. We discussed the Minutes of the November meeting as printed in the December 2016 Chips and Chatter. A motion to accept the minutes was made by Carolyn. The motion was seconded by Del. The motion passed.

Treasurer's Report: Del Grady gave the Treasurer's report. A motion to accept the Treasurer's report was made by Don. The motion was seconded by Carolyn. The motion passed.

Old Business:

- IGEM will be the 13th thru 15th of January.
- IGEM set up will be Wednesday, January 11th.
- We all had a good time at Spring Creek Barbeque for our Christmas party.

New Business:

- Dallas Regional Science Fair is Feb.25th at Fair Park. Our club sponsors an award and several honorary certificates to exhibits we think pertain to the science of rocks and minerals, earth sciences.
- Brookhaven STEM Fair is Feb.18th. Set up is on Feb.17th or the morning of the 18th. The show starts at 10am. Don always brings his rock polisher and lets the kids learn how to polish a rock that they pick out and polish it themselves.

After our refreshment break we had our presentation. We continued with our video that we started in November, and tonight's chapter was on The Formation of Minerals. We also had time to watch the classification of Minerals. We learned about their texture and composition, and their freezing point and melting point. We refreshed our memories that there are three kinds of rocks: Igneous, Sedimentary and Metamorphic.

After the video we had our raffle.

The meeting adjourned at 9:10pm.

Respectfully submitted,

Lee Elms , Secretary

### Meetings

The February 2<sup>nd</sup> meeting will be at the Garland Women's Activities Building starting at 7:30 PM. Our presentation will be a "hands-on" project to create a chip inlay in setting. The project will take 2 months  
The March 2<sup>nd</sup> meeting will be at the Garland Women's Activities Building starting at 7:30 PM.

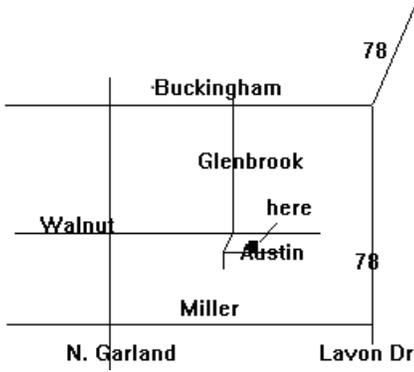
### VISITORS ARE ALWAYS WELCOME

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PLEASANT OAKS GEM and MINERAL CLUB of Dallas



<p>Meetings                  First Thursday of each month, 7:30 PM                  Garland Women’s Activities Building                  713 Austin St., Garland, TX                  (Northeast corner of Austin &amp; Glenbrook)</p>
<p>Membership                  Single Adult: \$16.50,                  Junior: \$5.00, Family: \$27.50                  (Plus badge fee for new members)</p>



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**CHIPS AND CHATTER**  
 Pleasant Oaks Gem & Mineral Club  
 PO Box 831934  
 Richardson, TX 75083-1934

To:

**VISITORS ARE ALWAYS WELCOME**

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