

2017
September - October

2017 - 2018

Officers & Directors

President:

Mike Hollonbeck

Vice President:

Les Presmyk

Recording Secretary:

Marilyn Reynolds

Treasurer:

Ellen Alexander

Membership Secretary:

Diane Braswell

Director:

Mark Ascher

Director:

Ron Gibbs

Director:

Ortrud Schuh

Past President:

Mark Markios

Librarians:

**Janette Simister & Kathy
Heitzmann**

TUCSON GEM & MINERAL SOCIETY

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EXPLORE DISCOVER SHARE

President's Page

Welcome to the 2017 - 2018 season; hope everyone had a great summer whether it was in Tucson or somewhere else. There were some amazing potlucks held with great fellowship and, of course, great food!

I, Michael, would like to introduce myself. I am honored to be serving as President of TGMS, and will take my position seriously and with enthusiasm. I look forward to meeting each and every member.

As most of you know I have only been in the rock/mineral field for about five years, but have an extreme passion for it and dedicate most of my time to it. I was Vice President of the Society the last two years and have learned a lot of the ins and outs. I have spent time learning about our Society and its history and have been truly amazed at what we do.

This will be an exciting year for me and all of you with field trips, monthly meetings and, of course, our Show. Keep in mind that our Show is primarily volunteer and I encourage each of our members to plug in where they can. Our Tucson Gem and Mineral Show® is world renown and takes a lot of work, so help out and keep it the best in the world.

Throughout this year I'm sure issues or suggestions will arise and I would like to address them personally. Please don't hesitate to come up or contact me on them. I want to hear from you immediately if something bothers you. Let's make this a family/friendly club and introduce ourselves to new members or old members you don't know. This club is here to make new friends.

I am proud to announce the TGMS first "Family Fun Day" (Saturday, September 30th, 10:00a.m. to 3:00 p.m.) which will be a new way to reach the Greater Tucson area. This will be an amazing day to let the public get to know about our club and who we are. If you would like to volunteer, call the office for more information; it will be a great time.

This year we have introduced a new starting time of 7:00 p.m., in hopes to attract families with kids and individuals who might have jobs that require them to rise early. In doing this we hope that more of the club members will stay for the business part of our meetings as well.

I look forward to all that's in front of us,

Michael Hollonbeck
President



**TUCSON
GEM & MINERAL
SOCIETY**

TGMS General Meeting — May 1, 2017

The General Meeting of the Tucson Gem and Mineral Society was called to order by President Mark Marikos at 7:30 p.m. Visitors and new members were welcomed to the meeting and asked to stand and introduce themselves.

PROGRAM: Michael Conway spoke on “The Fate of the Arizona Geological Survey” which traces its roots in 1887 and has been publishing since 1915. It has been bootstrapped out and defunded by the State and moved under the University of Arizona. On April 28, 2017 Governor Ducey signed State Bill 1415 which gives all Arizona Mining and Mineral Museum assets to the University, including the Polly Rosenbaum Building with 30,000 square feet (former home of the museum), over 21,000 mineral specimens worth approximately eight million dollars and 1400 mining artifacts worth one million dollars. Other assets are the volunteers and fifty thousand visitors annually. The new “Rebirth of Arizona Mining, Mineral and Natural Resources Education Museum in Phoenix” will emphasize sustainable natural resource use and will go from “look and listen” to “experience and engage.” The museum needs more natural resources including forests, landscapes, ranching, agriculture and water. It hopes to become self-sustaining. It is working with other groups to share resources including the Patagonia Museum, Arizona Capitol Museum, Arizona Historical Society, South Mountain Environmental Education Center and Tohono O’odham.

BREAK: Many thanks to Cathie Logan who provided refreshments including crackers, cheese, meat, vegetables, deviled eggs, fruit and cookies.

OLD BUSINESS:

Summer Potlucks: Information was published in Rock Talk and is on the website: www.tgms.org. Specific information will be coming out for each one as the date approaches.

Field Trips: Kerry Towe reminded members that the Dobell Ranch trip will be Saturday, March 6th. Cost will be \$40 per five gallon bucket of petrified wood, or by the piece. There is no attendance limit. Finch Mine attendees found some wulfenite and other nice specimens. The tentative field trip schedule is available for 2017-2018 and includes some trips that will be safe for children.

Bill Shelton’s Educational Class: Tuesday, May 2nd at 7:00 p.m. Topic will be “Famous Merelani Tanzanite Deposits.”

Micromount Meeting: Monday, May 8th at 6:30 p.m.

Rock Swap/Potluck: Saturday, May 20th from 2:00-6:00 p.m.

Family Day: Saturday, July 22nd. There will be a variety of activities for families. Volunteers are needed.

NEW BUSINESS:

Election of Officers and Directors: Diane Braswell thanked John Callahan and Bob Jenkins for their help on the Nominating Committee. Candidates are as follows: President – Michael Hollonbeck, Vice President – Les Presmyk, Treasurer – Ellen Alexander, Recording Secretary – Marilyn Reynolds, Membership Secretary – Alrene Hibben, Directors – Mark Ascher, Ron Gibbs and Ortrud Schuh. Nominations were opened to the floor by position during which Diane nominated herself for Membership Secretary. Written ballots were collected from all members present.

2017-2018 Budget: Proposed budget was presented and explained by Treasurer Ellen Alexander. **MOTION:** To receive and accept the Treasurer’s report. Seconded and approved.

Scholarships: Two recipients were selected by the Board to receive \$5000 scholarships. Jessie McCraw was presented with her award. Sarah Patterson will receive her award at the September meeting.

Lifetime Membership: Kerry Towe has been awarded a Lifetime Membership for his outstanding job as Field Trip Coordinator.

TGMS General Meeting — May 1, 2017

Certificates of Appreciation Presented 2016-2017 Officers and Directors: Mike Hollonbeck, Ellen Alexander, Marilyn Reynolds, Alrene Hibben (in abstention), Mark Ascher, Ron Gibbs, Ortrud Schuh and Mike Marikos who also received two books. Mark thanked the Board and members for their help during his two years as President.

Election Results: President – Michael Hollonbeck, Vice President – Les Presmyk, Treasurer – Ellen Alexander, Recording Secretary – Marilyn Reynolds, Membership Secretary – Diane Braswell, Directors – Mark Ascher, Ron Gibbs and Ortrud Schuh.

Jo Anne Sam's Educational Class: Two-day wire wrapping class, 9:00 a.m. to noon, Wednesday and Thursday, May 3rd and 4th. Limited to four participants. Send an email to show@tgms.org or call 520-322-5773 to put your name on the list and to obtain the list of supplies needed.

Members were encouraged to present classes to the membership.

Bisbee Gem and Mineral Show, May 25-27.

Annual member Gem, Mineral, Fossil, Jewelry Arts & Crafts Sale will be December 2nd.

DRAWING FOR DOOR PRIZES: Cathie Logan, as meeting hostess, made the first choice. Drawing winners were Donna Pugh, Bruce Kaufman, Wolf Schuh, John Ebner, Louis Pill, Kathy O'Donnell, Kim Filips, Karen Wenrich, Wayne Klement, Martha Erdem and Marilyn Reynolds.

The meeting was adjourned at 9:30 p.m.

Respectfully submitted,

Marilyn Reynolds,
Recording Secretary

IN MEMORIAM

It is with heavy heart that I share the passing of Ed Schaffer on August 30, 2017 in Mesa, AZ. Ed enjoyed each and every year of his volunteer service with the Tucson Gem and Mineral Society. Following Ed's wishes there will only be services for and with his family. If any donations wished to be shared, Ed had expressed his desire that any memorial tributes on his behalf be directed to: The Arizona Humane Society, 1521 W. Dobbins Road, Phoenix, AZ 85041.

Notation should include: "In Memory of Edward W. Schaffer."

I want to thank The Tucson Gem and Mineral Show® staff, committee members, and members for the long and pleasant memories that Ed enjoyed; he was truly devoted and enjoyed participating in the meetings and the annual shows.

Sincerely,

Patricia Schaffer and Family

TGMS Board Meeting - March 30, 2017

Present: Ellen Alexander, Mark Ascher, Diane Braswell, Ron Gibbs, Michael Hollonbeck, Mark Marikos, Marilyn Reynolds and Ortrud Schuh.

Absent: Alrene Hibben

Staff: Pat McClain

The Board Meeting was called to order by Vice President Michael Hollonbeck at 6:56 p.m. in the TGMS conference area.

Minutes Approval of the August 11, 2016 Board Meeting: **MOTION:** To approve the minutes as written. Seconded and approved.

President's Remarks: With a new year coming up, Board members were asked to reflect on what had worked well and what we want to accomplish, particularly bringing in more young members, especially children, and having more activities. It was suggested that we contact the Albuquerque Club for information on what and how they are doing youth activities as they have a very active program.

Treasurer's Report: Year to date: Income \$272,647.54; Expenses \$138,763.79. Anticipated expenses for this year include improved outside lighting, security cameras, repair back door and improve the parking lot surface. Approval of 2017-2018 TGMS Budget: **MOTION:** To accept the budget as proposed. Seconded and approved.

Old Business: None

New Business:

Report from the Nominating Committee on Slate of Officers for 2017-2018: John Callahan is working on finding a candidate for Vice President. All other positions have candidates.

Recommendation to raise Orchid Society rent: **MOTION:** To raise the rent in stages. Motion withdrawn. **MOTION:** To gather information to develop a rate schedule for renting/leasing out space and equipment. Seconded and approved. Legal counsel and the insurance provider will be consulted in addition to obtaining information on prevailing rental/lease rates in the community.

Membership Dues: **MOTION:** To raise Adult dues to \$30 and Family dues to \$50 per year. Seconded. Motion not approved.

Field Trip Issues: TGMS policy states that attendees must be a member in good standing at the meeting prior to the event. Discussion followed regarding when a new member becomes a member in good standing and needing a better system to determine who can attend field trips with a number limit. Issue tabled until after consultation with insurance provider.

Community Outreach: The idea for a Family Day during the summer was presented to include food trucks and events such as rock hunt, geode cracking, and other interactive events, similar to Jr. Ed at the Show. The idea will be introduced at the General Meeting and members will be asked to make a commitment to participate.

Available Property for Rent: The Executive Manager presented information on possible property rental.

Call to the Audience: No guests present.

Next Meeting: Thursday, April 27, 2017 at 6:30 p.m.

MOTION: To adjourn. Seconded and approved. Meeting was adjourned at 8:58 p.m.
Respectfully submitted by

Marilyn V. Reynolds,
Recording Secretary

TGMS Board Meeting — April 27, 2017

Present: Ellen Alexander, Mark Ascher, Diane Braswell, Ron Gibbs, Michael Hollonbeck (via Facetime), Mark Marikos, Marilyn Reynolds and Ortrud Schuh.

Absent: Alrene Hibben

Executive Manager: Pat McClain

The Board Meeting was called to order by President Mark Marikos at 6:30 p.m. in the TGMS conference room.

Minutes Approval of the March 30, 2017 Board Meeting: **MOTION:** To approve the minutes as written. Seconded and approved.

Treasurer's Report: Income: \$282,172.09. Expenses: \$458,380.00.

Old Business:

Report from the Nominating Committee regarding the Slate of Officers for 2017-2018: Clarification was requested regarding the selection of Les Presmyk for Vice President as he has not attended Society meetings in the past. Diane reported that Les will have no issue attending meetings now as he has retired from another position which met on the same nights. Brad Ross was suggested for the position and although he wants to get more involved in the Society, he is too busy now, but willing to help if needed.

Other Old Business: None

New Business:

Scholarship Applicants: Seven applications were reviewed and discussed. Following voting it was decided to award two scholarships. **MOTION:** To give scholarships to Sarah Patterson and Jessie McCraw. Seconded and approved. **MOTION:** To give each applicant a student membership. Seconded and approved.

Old Pima County Courthouse: The interior has been gutted so work can begin on the new design. TGMS will have space on the lower level and will be asking for an 8 ft. x 10 ft. office/closet in the community space.

Field Trip Spreadsheet: A field trip sign-up spreadsheet will be tested at the General Meeting on May 1st. It will be tied to the database to verify active membership and will keep a record of what field trips an individual has attended or not showed up without notice to cancel. A rating system has been proposed to help fairly determine who goes on field trips with a number limit.

Other New Business:

Thanks to Mark Marikos for a good job and to Diane Braswell for hanging in there as President and Past President.

Lifetime Membership: **MOTION:** To give Kerry Towe a Lifetime Membership. Seconded and approved. Kerry has done an outstanding job as Field Trip Coordinator.

Call to the Audience: No guests present.

MOTION: To Adjourn. Seconded and approved.
Meeting was adjourned at 8:18 p.m.

Respectfully submitted by
Marilyn V. Reynolds

Is it a Crystal or a Crystal Form?

By Anna Domitrovic



Baja - SULFUR - ASDM - Photo by Jeff Scovil

Are you thinking about our 2018 Tucson Gem and Mineral Show®? It's less than six months away. But it's never too soon to start thinking about it. Our theme is "Crystals and Crystal forms," but what do we mean by that? A *crystal* is defined as a regular and repeating internal arrangement of atoms bounded outwardly by planes. Huh? Simply put, it's a geometric shape, the result of an arrangement of atoms of a chemical element or compound. So crystals of sulfur, S, a native element, may look like modified pyramids or even *pseudo-cubic*. While crystals of fluorite, a compound, CaF₂, resemble cubes or 4-sided pyramids called octahedrons.

There are six basic crystal systems we use to classify minerals – isometric or cubic, tetragonal, hexagonal, orthorhombic, monoclinic and triclinic. We'll take a closer look at each of these in the coming months leading up to 2018 Show.

Then there is the subject of crystal forms. To the mineralogist, a form, also called *habit*, is a descriptive word that brings to mind the shapes of clusters or aggregates of individual crystals. Some of these terms can be very colorful – acicular, arborescent, dendritic, rosette, stalactitic. Some azurite crystals may look blocky in appearance. A common habit for copper is arborescent. And needle-like sprays of aurichalcite are described as acicular.



Ray Mine - COPPER -ASDM - Photo by Jeff Scovil

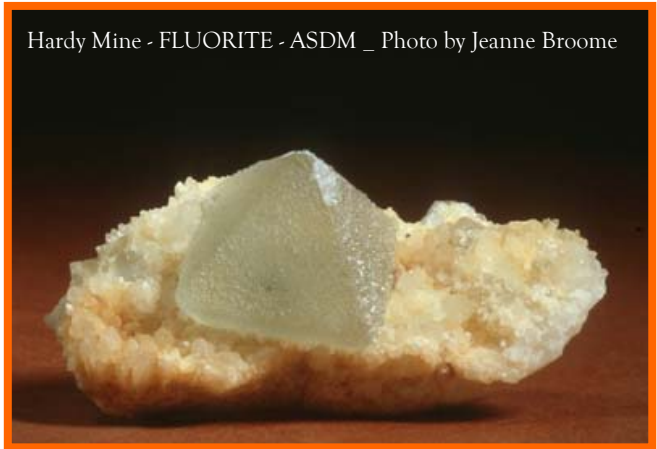
Maybe a good way to distinguish one from the other is to say a crystal is geometric while a crystal form is descriptive. Will the exhibits at the 2018 Show make this distinction? Maybe.

Is it a Crystal or a Crystal Form?

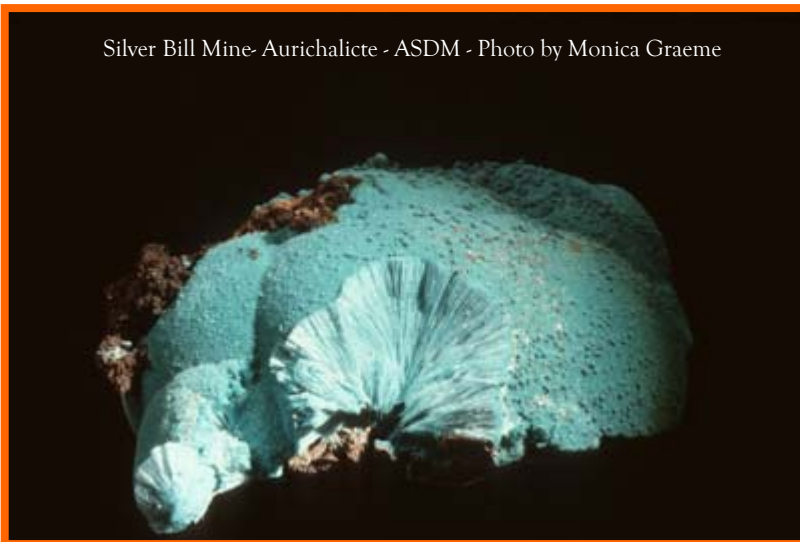
By Anna Domitrovic ... CONTINUED

Do we really care? Maybe not. The important thing is what attracts us to minerals in the first place. The colors, the shapes, the glitz, glitter and glamour are some of the things that make us oohhh and aaahhh over these natural wonders of Mother Earth. We can always leave crystallography (crystals and crystal forms) to the experienced collectors and professionals, as well as the up and coming mineralogists.

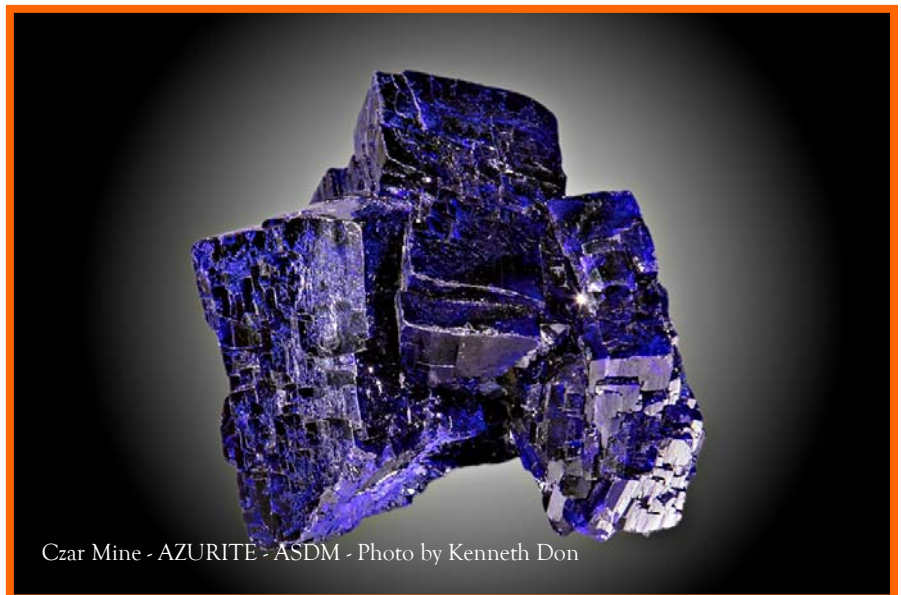
Hardy Mine - FLUORITE - ASDM _ Photo by Jeanne Broome



Silver Bill Mine- Aurichalite - ASDM - Photo by Monica Graeme



Czar Mine - AZURITE - ASDM - Photo by Kenneth Don





TUCSON GEM & MINERAL SOCIETY

To: TGMS Member

Please join us at the 64th Annual Tucson Gem and Mineral Show ®, February 8 - 11, 2018. The numerous mineral collectors and visitors who enjoy viewing beautiful exhibits will appreciate your participation in the Show. Your competitive exhibit(s) will add greatly to the Show. The area for the competitive exhibits will be right at the center of the Exhibition Hall. This will really highlight your exhibit and the others who compete.

The Tucson Gem and Mineral Society and Show Committee are very interested in promoting interest in young exhibitors. Each junior age exhibitor, regardless of which exhibitor class they enter, will receive a \$100 check from Dr. Rob Lavinsky of The Arkenstone. He wishes to help encourage young collectors to exhibit and compete and this is his way of honoring those adults who helped him when he was a junior-age collector. The high point score by a junior-age exhibitor will receive a \$500 check and the second high point score will receive a \$300 check, regardless of the exhibitor category.

Various applications are available for you to enter competitively. If you would like to have the forms, information or a competitive handbook sent to you, please contact our TGMS Office. **Applications must be received no later than December 4, 2017.** Due to increasing security concerns, ALL competitive entries, including those for the Special Trophies and Best of Theme competitions, shall require a signed Competitive Exhibitor Agreement. No Agreement, No Entry.

The Tucson Gem and Mineral Show ® theme for 2018 is "Crystals and Crystal Forms." Trophies will be awarded for the best specimen in each of five size categories and lapidary/jewelry in the Best of Theme competition. An individual is eligible to enter a specimen in each category. This competition is open to all individuals and entries will be accepted up to 6:00 p.m. on Wednesday, February 7, 2018 (Best of Species/Bideaux Trophy entries 4:00 p.m.).

The Show Committee awards five special trophies to honor those who have contributed to mineralogy and the collecting hobby. The Desautels Trophy is for the "Best Case of Minerals in the Show," with the emphasis on quality and aesthetics of the specimens. The Lidstrom Trophy is awarded to the best single specimen contained within a competitive exhibit. The Yedlin Trophy is awarded to the best case of Master micromounts. The Bideaux Trophy is awarded to the best single Arizona specimen entered in this competition. The Romero Trophy is awarded to the best Mexican specimen or case in the Show. Any case or specimen to be judged for these trophies, except the Romero, must have a signed Competitive Exhibitor Agreement submitted.

If you have any questions or need more information, please contact me at (602) 370-0639 or email: presnyk@cox.net, or the Tucson Gem and Mineral Society office at 520-322-5773, or email: tgms@tgms.org.

We look forward to receiving your application.

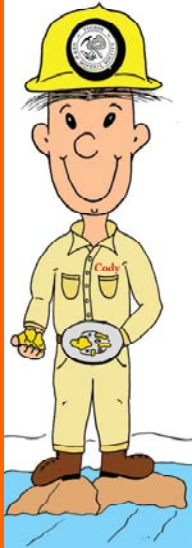
Sincerely,

A handwritten signature in black ink that reads "Les Presnyk".

Les Presnyk
Competitive Exhibits Chairman

TGMS Family Fun Day! -- Sat., Sept. 30, 2017 - 10:00am to 3:00pm**TGMS FAMILY FUN DAY!***Sponsored by the Tucson Gem & Mineral Society*

Come and enjoy the fun and "Let Us Rock Your World!"

**TGMS Facility — 3727 E. Blackledge Dr., Tucson, AZ 85716****September 30, 2017 - Saturday 10 a.m. – 3 p.m.**

Come and explore the wonderful world of micro minerals, fossils, gold panning, metal detecting, meteorites, rock & mineral identification, fluorescent mineral display, walk through a cave, "color this mineral" contest, a fossil dig, hourly giveaways, "spin the wheel and win a prize", free mineral samples and much much more!

For more info go to www.tgms.org or call TGMS at **(520) 322-5773** -**MEANINGFUL MEMBERSHIP**

Fellow members, this column, which I hope will be a regular in Rock Talk, is for you. We need a consistent and positive way to connect with the membership and hear your concerns, comments, complements and complaints. This is the reason I decided to run for this position, to open a door to our members and give them a voice in the future of TGMS.

Initially, to introduce this concept, let me thank you for being a member. As I process the membership forms coming in, I am reminded that you are the life blood of our Society, your support with your dues, your donations of time and contributions and your unfailing support of our Show is what makes this club possible, financially and logistically.

Next, let me reiterate that as Members in good standing of the Tucson Gem and Mineral Society, you have certain rights, to attend meetings with excellent lectures, go on field trips, participate in our special events and take advantage of information on our comprehensive website. However, with those rights go responsibilities that include staying for the business part of our meetings to give input to improve and enhance our Society, make suggestions to the Board to add, change or refocus our plans and to be respectful when voicing your opinions and/or suggestions. Let me hear from you by phone, email, face to face communication or through the office or another Board Member. If you request, your input will be held in confidence. Be a part of the solution, not a part of the problem.

Communication is essential. Every suggestion will not happen but it will be considered and you will get a response. This process can only start if you speak up and speak out. We will not always agree on everything but I think, that one thing we can all agree on is, we all need to do everything we can to keep the Tucson Gem and Mineral Society the best that it can be.

Diane Braswell,
Membership Secretary

ROCK TALK

Encouraging the interest and study in geology, mineralogy, lapidary and allied earth science.

FROM:

T.G.M.S.
3727 E. BLACKLIDGE DRIVE
TUCSON, ARIZONA 85716



TO:

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3727 E. Blacklidge Drive
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Facebook: [Tucson Gem and Mineral Society](https://www.facebook.com/TucsonGemandMineralSociety)

Twitter: [@TGMSociety](https://twitter.com/TGMSociety)

YouTube: [TGMS Video](https://www.youtube.com/TGMSVideo)

PURPOSE: To encourage interest and study in geology, mineralogy, lapidary, and allied earth sciences.

Meetings: Usually the first Monday of the month, starting at 7:00 p.m., except September (second Monday because of the Labor Day holiday), June-August (potlucks). The TGMS facility address is: 3727 East Blacklidge Drive, Tucson, Arizona 85716

The Tucson Gem and Mineral Show ®:

The second full weekend in February, starting with Thursday.

Affiliations: American Federation of Mineralogical Societies, Inc. (AFMS), Rocky Mountain Federation of Mineralogical Societies (RMFMS), Visit Tucson, Tucson Metropolitan Chamber of Commerce (TMCC), Greater Oro Valley Chamber of Commerce

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