

# ROCK TALK

Volume 16, Issue 1  
Sept. - Oct.

## 2021 - 2022 Officers & Directors

**President:**

Mike Hollonbeck

**Vice President:**

Mark Candee

**Recording Secretary:**

Linda Ross

**Treasurer:**

Ellen Alexander

**Membership Secretary:**

Marilyn Reynolds

**Director:**

Victoria Fila

**Director:**

Janette Simister

**Director:**

Diane Braswell

**Past President:**

Les Presmyk

**Parliamentarian:**

Alrene Hibben

**Librarians:**

Janette Simister & Kathy  
Heitzmann

**EXPLORE  
DISCOVER  
SHARE**

**TUCSON  
GEM & MINERAL  
SOCIETY**

ROCK TALK is the official publication and is © 2021/2022 by the Tucson Gem and Mineral Society, Inc. to reproduce material contained herein for non-profit use only. All commercial and other use requires written permission from the Tucson Gem and Mineral Society, Inc.

## PRESIDENT'S PAGE

EXPLORE DISCOVER SHARE



Hello to you all,

I would like to personally welcome everyone to a new season, and hope you have had a great summer. Together as a Club we will be moving forward and preparing for another great Show and season. We will be working on having live meetings and social media presentations. Plans are being made for future field trips with the first one to take place in September. Also, as things open more, we will be expanding our community outreach.

This year we will be celebrating our 67<sup>th</sup> annual Show "The Show that Glows" and, if you would like to participate or display, information will be sent to you from the office. This year's theme also celebrates the Fluorescent Mineral Society and should make for a fantastic Show, which is how we set the bar for everyone else.

First thing that comes to me is, I feel that it is important to make relationships and new friends in this Club. I never get tired of coming and seeing everyone and talking about minerals at the General Meetings. For me personally, I look forward to every single meeting so I can see all the friendly faces. Second, are the duties that go with being President; wow, who knew what and how involved with the community TGMS is a part of and hope that each of you will find a place to plug in.

I thank all of you who voted me in as President, and I will serve our Club to the best of my abilities. Together it is amazing what a non-profit organization can do with some volunteers. I have a deep passion for the TGMS and will continue to serve/volunteer in any area I can and, if anyone ever has any suggestions, please feel free to contact me.

Hopefully you all had a chance to make it to the August "Meet & Greet." It was nice to see fellow members in person finally. This was a great time socializing together and made for a nice Saturday afternoon. Thank you to Pat, Rose, and Tim for getting this set up and the volunteers that helped clean up.

Michael Hollonbeck  
TGMS President



## TGMS General Meeting - May 3, 2021

The General Meeting of the Tucson Gem and Mineral Society was called to order by President Les Presmyk at 6:02 p.m. The meeting was held via Zoom due to the current COVID-19 Pandemic. The President welcomed a new guest and encouraged her to join TGMS.

### **ANNOUNCEMENTS:**

TGMS has books for sale "The 100 – A Practical Guide to Mineral Collecting in Today's World" by Bill Shelton for \$15.00 each. Proceeds go to the TGMS library fund.

TGMS has 4 ply face masks for sale at \$3.00 a mask. They can be purchased at the TGMS office.

**PROGRAM:** Mike Hollonbeck introduced Les Presmyk who presented "Quartz - Another Mineral Arizona Should Be Famous For." Les strongly presented his case that quartz should be on the list of the top ten mineral species from Arizona, right along with our famous wulfenite, vanadinite and copper minerals. Les began with a map of the geology of Arizona and focused on Gila, Yavapai, and Cochise Counties. He presented pictures of beautiful specimens of amethyst, smoky quartz, microcline, Japan-law twins, and drusy quartz on chrysocolla. He also shared photos of his collection of a variety of pseudomorphed specimens. He responded to questions and comments from the audience, including a question about where to collect quartz in Arizona.

### **OLD BUSINESS:**

Financial Support for the Publication of the 4<sup>th</sup> Edition of Mineralogy of Arizona: The Board approved financial support towards the publishing cost of colored photographs. The authors expect that the book will be published before the 2022 TGMS Show.

Approval of the Following Minutes Published in the May-June 2021 Issue of Rock Talk:

**MOTION:** To approve the March 1, 2021 General Meeting minutes. Seconded and approved.

**MOTION:** To approve the April 4, 2021 General Meeting minutes. Seconded and approved.

Educational Zoom Class: Bill Shelton will lead a Zoom class "Elements in Minerals" on May 12 at 7:00 p.m. Members will be sent a link; nonmembers can contact the TGMS office at [tgms@tgms.org](mailto:tgms@tgms.org) for the link.

### **NEW BUSINESS:**

Introduce and Congratulate the Scholarship Recipients: Lydia Bailey, Eytan BosOrent, Maggie Lyons and Autumn Muhly were introduced. They shared information on their interest in minerals and fields of study. They all expressed their appreciation for being awarded scholarships of \$5,000 each. Recipients were invited to present to the Society in the future.

Nominating Committee Recommendations: The Nominating Committee recommendations for the TGMS Officers and Directors for 2021-2022 has been sent to the membership. Membership has until Saturday May 8, 2021 to submit recommendations. Positions and candidates are as follows: President: Mike Hollonbeck, Vice President: Mark Candee, Recording Secretary: Linda Ross, Treasurer: Ellen Alexander. Membership Secretary: Marilyn Reynolds and Directors: Victoria Fila, Les Presmyk and Janette Simister.

Budget Approval: Members were mailed the 2021/2022 TGMS Budget with an opportunity to ask questions. Questions were answered and the membership has until May 7, 2021 to vote on approving the budget.

Next Meeting: The membership will be notified of the next TGMS meeting, possibly in June, held via Zoom.

The meeting was adjourned at 7:22 p.m.

Respectfully submitted,  
Linda Ross,  
Recording Secretary



**TUCSON  
GEM & MINERAL  
SOCIETY**

## TGMS Board Meeting – April 21, 2021

**Board Members Present:** Ellen Alexander, Diane Braswell, Michael Hollonbeck, Mark Marikos, Les Presmyk, Marilyn Reynolds and Linda Ross.

**Absent:** Mark Candee and Bill Shelton

**Executive Manager:** Pat McClain

**Parliamentarian:** Alrene Hibben

**Audience:** (none in attendance)

**Call to Order:** The Board Meeting was called to order by President Les Presmyk at 2:35 p.m. via Zoom. A Zoom conference was held due to the ongoing COVID-19 Pandemic.

**President's Remarks:** The President shared observations on shows held in Tucson earlier this month.

**Minutes Approval: MOTION:** To approve the March 3, 2021 Board Meeting Minutes as written. Seconded and approved.

**Treasurer's Report:** The Treasurer reported that the TGMS continues to be financially sound.

### Old Business:

Voting on the 2021-2022 Officers, Budget, and Bylaws: Nominations for officers will be completed on April 26. The membership will vote on the 2021-2022 Officers, the 2021-2022 Draft Budget, and Bylaws as per previous COVID procedures established in the last election.

### New Business:

Request for Financial Support for the Publication of *The 4<sup>th</sup> Edition of Mineralogy of Arizona*: Ron Gibbs and Raymond Grant presented a PowerPoint to the Board covering changes made to the book since the 3<sup>rd</sup> Edition. They requested financial support for the additional expense of publishing the book with color photos. **MOTION:** To approve \$2500 towards publishing the 4<sup>th</sup> Edition of *Mineralogy of Arizona*. Seconded and approved. Board determined the funds would be allocated from the 2021-2022 Budget.

TGMS Budget for 2021-2022: The Treasurer reviewed the income and expenses for the TGMS FY 2021-2022 Draft Budget. **MOTION:** To recommend that the general membership approve the FY 2021-2022 Budget. Seconded and approved.

Review Scholarship Applications: The Board discussed refining the process of evaluating applicants with a matrix to streamline the evaluation process. **MOTION:** To award a \$5000 scholarship to each of the top four applicants....Lydia Bailey, Eytan BosOrent, Autumn Muhly and Maggie Lyons. Seconded and approved. Recipients will be invited to attend the next Zoom General Meeting or send a short video to introduce themselves to the membership.

Agenda Items for Next Meeting: Board will consider discussions on how to continue to move the TGMS Show forward in the future. Board will discuss the possibility of resuming in-person General Meetings in the fall, with Zoom option to all members. Board will consider opening up the building to our renter, the Orchid Society, in the fall.

Next Board Meeting: The Board agreed to meet again by Zoom, on Thursday, May 20 at 1:00 p.m.

Adjourn Meeting: Meeting was adjourned at 4:24 p.m.

Respectfully submitted by:  
Linda Ross,  
Recording Secretary



TUCSON  
GEM & MINERAL  
SOCIETY



If you would like to help get the word out about the 2022 Tucson Gem and Mineral Show® ... we have the flyers, postcards and coupon books ready for you to distribute.

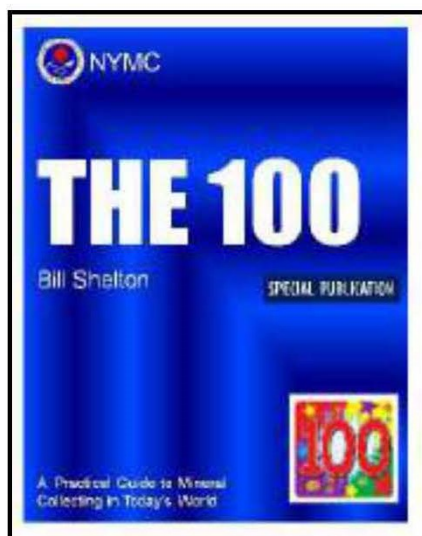
Give us a call at 520-322-5773 and tell us how many of these different publicity items you would like to pick up to help us spread the word. You can also forward this link - <https://bit.ly/3yeIFgg> - via email to anyone that you think would like to download and print the Show flyer.



TGMS has masks for sale ... Black or Blue with the TGMS logo in the middle. They are four ply cotton and we are selling them for \$3.00 each.

Contact the Office at 520-322-5773 or [tgms@tgms.org](mailto:tgms@tgms.org) if you'd like to pick up a couple!

### *"The 100 - A Practical Guide to Mineral Collecting in Today's World"*



By Bill Shelton - Collector, Writer & Educator

This publication is fully illustrated in color

Over 50 pages

Practical information about 100 of the most available minerals you are likely to collect

\$15.00. each

If you would like to purchase one for yourself, please

contact the TGMS Office at [tgms@tgms.org](mailto:tgms@tgms.org) or 502-322-5773

## “2022 TGMS Show Exhibits Preview” ... By Peter Megaw

Will have many more specifics to share after Denver in two weeks, but things are already shaping up well for the blockbuster 2022 “The Show That Glows” Exhibits. Les Presmyk is working closely with the Fluorescent Mineral Society as they corral what will undoubtedly be the best group of fluorescent mineral cases ever...anywhere! This is sure to be a real crowd pleaser, perhaps one of the best hooks we’ve ever had for getting good local turnout.

Turning to the co-theme of *Apatite Supergroup*, I was lucky to catch up with two of the world’s most enthusiastic apatite group collectors to discuss what they’ll be bringing...pretty much the full rainbow of colors in wonderful crystals from all over the world! And there are several of us planning on wowing you with the mimetite-vanadinite-pyromorphite part of the Apatite Supergroup!

An unplanned sad/joyful addition to the exhibits will be 14-16 cases devoted to Bisbee in celebration of the life and mineralogical achievements of the recently departed Dick Graeme...aka Mr. Bisbee. His sons and family, a cadre of Arizona collectors and worldwide Bisbee lovers are participating...prepare to see things you haven’t seen the likes of since spectacular “American Mineral Treasures” Exhibits! Add to all this a cold call this week from a long-overlooked museum in Minas Gerais, Brazil who want to bring us a selection of goodies from their backyard...one of the world’s great pegmatite playgrounds. Full Steam Ahead!!

**Don’t forget that we LOVE to have exhibits from our membership...and we even have trophies to honor the best TGMS member cases in the Show.** Don’t think of this as putting yourself in competition with the Smithsonians of the world, but as an opportunity for you to look at your collection in a new way and show that way off to the world. More than one newcomer to exhibiting has found it has become an annual ritual to educate the public on some aspect of mineralogy that they find captivating. And if you’re nice to Kent and his case lining team, you might even get your risers and liners taken care of by the pros! [Note that you don’t *have* to exhibit to help out Kent and the case lining team...they take on all comers! This is one of the most important jobs our volunteers do since it directly affects over 100 of our Exhibitors and makes it easier for them to volunteer to bring their precious specimens to show off at our Show...so please sign up!]

And if competition intrigues you, Les is always looking for new Competitive Exhibitors...of all ages and levels...contact him and/or the TGMS Office for particulars!



We had a great group of people come out for our “Meet & Greet” on Saturday, August 28th. It felt like perhaps we could be getting back to (a new) normal. When we were snacking or drinking a bottle of water masks were off, but otherwise we respected each other and our concern for spreading any new COVID variant by wearing our masks.

The TGMS Board is looking towards having the October General Meeting in person ... watch for further details.

## COMPETITION AND OTHER EXHIBITS, 2022 TUCSON GEM AND MINERAL SHOW® ... By LES PRESMYK

I would like to invite our TGMS members to put in a Competitive Exhibit in 2022. I have always thought that if I am going to put in an exhibit I might as well compete. It really does not take much more effort to place an exhibit in competition, mainly just a bit more attention to the labels and possibly showmanship. After all, the liners and risers all take the same effort. The selection and packing and traveling to the Show on set-up day and then tearing down your exhibit on Sunday are all the same. You might convince yourself your specimens aren't good enough or maybe you don't have enough of one size to fill the exhibit. I have heard all of these excuses. But, it comes down to whether you are ready to compete. I understand it is not for everyone. Paula and I have won our share of ribbons and trophies at various shows over the past five decades. We have also lost on a number of occasions. This is just part of competing.

I am looking forward to our 2022 Show. I just made a presentation to the Young Mineral Collectors about how to set up an exhibit for our Show and then spent a fair amount of the time discussing the rules and nuances for competing. Hopefully, this will excite some of these new collectors to see how their collections will stack up against one another. Judging by the set of cases they displayed at the 2020 Show, I think we are in for a treat. In addition to the Tucson Competition which provides numerous categories for type of displays, there are also the various collector groups, starting with Junior and Junior-Master and then the adult categories of Novice (first-time exhibitors), Advanced and Masters. If you are just starting out, Novice is the best category. If you have many years of competing behind you then the Advanced and Masters are more appropriate.

Tucson presents a group of special trophies honoring collectors, dealers and curators who have meant so much to the hobby.

The Desautels Trophy for the "Best Case of Rocks" in the Show (actually those cases entered for this trophy) honors Paul Desautels, former curator of minerals at the Smithsonian.

The Lidstrom Trophy goes to the best single specimen contained within a competitive case. Walt Lidstrom was a long-time dealer in our Show and helped many collectors, young and old, enhance their collections.

The Bideaux Trophy goes to the best Arizona specimen and honors an Arizona native, a TGMS member, and renowned mineralogist.

The Romero Trophy selects the best Mexican mineral from throughout the Show and is a tribute to Miguel Romero, who put together one of the finest collections of Mexican minerals ever assembled.

The Yedlin Trophy is presented for the best case of micromounts and honors Neal Yedlin.

In addition to the Best of Theme competition which will highlight the Apatite Supergroup minerals (mainly apatite, vanadinite, pyromorphite and mimetite) there will also be two awards for best fluorescent specimens, one under long-wave and one under short-wave.

The long-standing gifts and awards of cash to our junior-age exhibitors will continue. This will now be jointly sponsored by Dr. Rob Lavinsky of Arkenstone and Les and Paula Presmyk.

The second theme for our Show is celebrating the 50<sup>th</sup> anniversary of the Fluorescent Mineral Society. They are organizing 80+ cases to provide our visitors with the best set of fluorescent displays ever put together anywhere. Certainly fitting for the upcoming 2022 Show. Several of us have been working on this for over two years now and it is going to be spectacular. Most fluorescent collectors do not have the opportunity to display their specimens at a show, much less the TGMS Show.

Finally, some of you may not be aware that Dick Graeme, "Mr. Bisbee", passed away earlier this year after battling cancer for many years. I first met Dick in 1969 at the TGMS Show and we were long-time friends.

## COMPETITION AND OTHER EXHIBITS, 2022 TUCSON GEM AND MINERAL SHOW® ... By LES DRESMYK ... CONTINUED:

His record of attending TGMS Shows was even longer than mine except for one he missed due to a snow storm in the Andes. Following his memorial service, I spoke first to Peter Megaw and then to Rich and Doug Graeme about the possibility of putting together a group of Bisbee cases as a tribute to their father. All provided their instant approval and support. So, there will be 14 cases of fine Bisbee minerals, all from the friends and family of Dick Graeme, to honor the memory of this collector, who devoted his life to preserving the history, photos and the mineral legacy known as Bisbee.



THE UNIVERSITY OF ARIZONA  
University Libraries

### THE UNIVERSITY OF ARIZONA PRESS

1510 E. University Blvd  
PO Box 210055  
Tucson, AZ 85721-0055

Ofc: (520) 621-1441  
Fax: (520) 621-8899

[www.uapress.arizona.edu](http://www.uapress.arizona.edu)

August 26, 2021

Tucson Gem and Mineral Society, Inc.  
3727 E. Blacklidge Dr.  
Tucson, AZ 85716

Dear Mr. Mike Hollonbeck,

Thank you for your gift to the University of Arizona Press, in support of "*The Mineralogy of Arizona*". We are honored to have your support. Your gift helps ensure the publication and dissemination of books that bring diversity to literature, document history for future generations, and bring real research into discussions of pressing social issues.

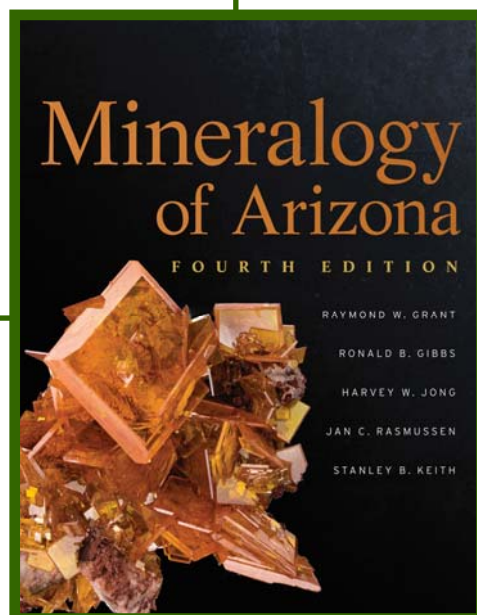
Please feel free to contact me if you would ever like to visit and learn more about our current projects. We look forward to sharing news with you about the books you are supporting and their impact.

Warmly,

*Kathryn*

Kathryn Conrad  
Director, University of Arizona Press  
520-621-3911  
[kconrad@uapress.arizona.edu](mailto:kconrad@uapress.arizona.edu)

**On August 27, 2021 the TGMS Board sent a donation of \$2,500.00 to the University of Arizona Press to help with the publication of the 4th Edition of Mineralogy of Arizona. It will be available for purchase the early part of 2022 ... hopefully in time to be sold at the 2022 Tucson Gem and Mineral Show®.**



**Reprint From Jan./Feb 2000 Rock Talk  
BY Anna Domitrovic - now Mineralogist Emeritus at ASDM**

**Vol. 43, nos. 5 & 6, Jan. – Feb. 2000**

***MINES AND MINERALS  
OF THE PATAGONIA MOUNTAINS,  
SANTA CRUZ COUNTY, ARIZONA***

**Anna Domitrovic, Mineralogist  
Arizona-Sonora Desert Museum**

Mineral prospecting in what would become southern Arizona began about the mid-1800s, after the Gadsden Purchase of 1853. Silver mining goes back much further. Some of the earliest silver mining was done by the Spaniards about 1687, and those were deposits that had been worked much earlier by the native Americans.

After the Jesuits were expelled from the New World and the Spaniards migrated back into Mexico, the mines laid dormant until 1855. This is the date of some of the earliest settlements. In 1857, mining began in earnest with the formation of the Sonora Mining and Exploration Co. and the Arizona Mining Co. In 1858, the Santa Rita Mining Co. was organized to operate older workings as well as the new ones that were being discovered every day. In areas where mining was exceptionally active, towns sprang up-Patagonia, Harshaw, Mowry, Washington Camp, and Dusquesne. But many mines had their own temporary camps that kept the miners close to their work-Trench, Hardshell, World's Fair, and Four Metals. There may be an adobe wall or two, a foundation, or even a fairly complete building left in the more prosperous or easily dismantled buildings. When it was time to move to the next mineral discovery, it was a relatively easy task to tear down one camp and set up another elsewhere. Outside of a vague mark on a tattered old map, these temporary mining camps have returned to the earth from which they arose.

The heyday of life and mining activity in the Harshaw and Patagonia Districts in the Patagonia Mountains lasted for a good half century from the 1870s to the 1930s. Outside of the towns of Patagonia, Harshaw, Mowry, Washington Camp, and Dusquesne that experienced fluctuating populations from 500 to 2000 inhabitants, there were at least a dozen smaller camps scattered throughout the mountains to handle the gold, silver, copper, and lead ore where the discoveries were made. A wealth of information lies within the crumbling adobe walls, the scattered artifacts of everyday life, and the rusting mining equipment left behind in these ghost towns. Other important information lies within the mineral specimens saved from the jaws of the crushers and the fires of the smelters. These remnants provide glimpses of the kinds of minerals uncovered nearly 150 years ago.

The Arizona-Sonora Desert Museum has in its permanent mineral collection some of the finer examples of copper, lead, silver, and zinc minerals from this area preserved for posterity.



## September 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			<b>1</b>	2	3	4
5	<b>6</b>	7	8	9	10	11
12	<b>13</b>	14	15	<b>16</b>	17	18
19	20	21	22	23	24	<b>25</b>
26	27	28	29	<b>30</b>		

**September 1, 2021 - TGMS Board Meeting - Starting at 5:30 p.m.**

**September 6, 2021 - LABOR DAY!**

**September 13, 2021 - TGMS General Meeting - Starting at 7:00 p.m.**

**September 16, 2021 - TGMS Educational Class - Starting at 6:00 p.m.**

**September 25, 2021 - TGMS Field Trip - Dobell Ranch for Petrified Wood**

**September 30, 2021 - TGMS Board Meeting - Starting at 5:00 p.m.**

**Contact the TGMS Office for further information on these events - [tgms@tgms.org](mailto:tgms@tgms.org) or 520-322-5773.**

### **TGMS FIELD TRIPS SCHEDULED FOR 2021/2022**

**Saturday, September 25th ... Dobell Ranch for Petrified Wood**  
**Saturday, October 23rd ... Red Cloud Mine for Wulfenite and Fluorescent Minerals**

**Thursday, November 18th ... Tiger Mine for Copper Minerals**  
**Saturday, December 11th ... San Carlos Apache Reservation for Peridot**

**TGMS Members will be receiving separate emails on each one of these trips ... the first being information on the September 25th field trip to the Dobell Ranch for Petrified Wood ... watch for the details coming soon!**

**FROM:**

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



**TO:**

**Tucson Gem and Mineral  
Society, Inc.**

**3727 E. Blacklidge Drive  
Tucson, AZ 85716**

**Phone: 520-322-5773  
Email: [tgms@tgms.org](mailto:tgms@tgms.org)**

ROCK TALK is the official publication and is © 2021/2022 by the Tucson Gem and Mineral Society, Inc. to reproduce material contained herein for non-profit use only. All commercial and other use requires written permission from the Tucson Gem and Mineral Society, Inc.

**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

**ROCK TALK Editor:** P. R. McClain

**ROCK TALK Assistant Editor:** R. Marques

**ROCK TALK Reporters/Contributors:** Anna Domitrovic, Peter Megaw, Kerry Towe, Donn Cuson, Ellen Alexander, Bill Shelton, Les Presymk, Dick Gottfried