

2017
March - April

2016 - 2017

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TUCSON GEM & MINERAL SOCIETY

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EXPLORE DISCOVER SHARE

President's Page



Thank you to everyone involved in putting on the 2017 Tucson Gem and Mineral Show! As usual you all did a great job of maintaining our reputation as the best Show in the world. And that is not just my opinion.

Over these past two years, I have made an effort to visit with as many of our dealers as possible, and many of them made a point of saying that this is their favorite Show because of the professionalism, courtesy, and helpfulness of our volunteers and office staff, and because of the wonderful atmosphere. Many appreciate the opportunity to take breaks and wander through the exhibits, a feature not often found in commercially-run

shows. And many commented on how much they appreciate School Visits Day and all we do for the younger and less experienced collectors.

Many first-time visitors I met were amazed at all they got to see and experience. Several had no idea that our Show existed before, and were greatly impressed by the quality and variety of displays and merchandise. I saw many young ones with egg cartons full of mineral specimens from the Junior Education area, and I made a point to ask them what they thought of that experience. Nearly every one of them beamed at their new collection and looked forward to coming back next year. Some friends of mine, with enough kids to fill a large van, came for the first time this year, and the parents told me that all of the kids are excited about rocks now, and have begun to give rocks as birthday presents. They do home-school, and I am sure their curriculum will now include rocks and minerals.

I spoke with several who have been attending the Show for many years, and come great distances to do so. They return because they know of nothing else quite like it anywhere. Many were amazed to learn that the Show is put on by a local non-profit club of volunteers. Several times I heard, "No way!"

These are some of the reasons that Munich bills itself as "The Tucson of Europe" and two cities in China fight over the right to be called "the Tucson of Asia." We can take great pride in the quality of our Show, and the rich experience it provides to a wide spectrum of people ranging from the casually curious to the fervently obsessed collector; from the totally inexperienced to the PhD researcher. As I said earlier, there is nothing else like it in the world. Thank you all for all you do to make it such a great experience for everyone. Where else can a beginning collector enjoy lunch with the curator of a major mineral museum?

When people commented on the wonderful atmosphere, I suggested that it might be due to the fact that those managing this Show do it because they have a passion for it; it is not just a job, or official duty. Upon reflection, most agreed that that may be what makes our Show unique.

President's Page – CONTINUED

And while I by no means wish to reduce credit to the many volunteers involved, I want to especially thank Pat and Rose for all they do to make this such a well-oiled and efficient operation. Over the past two years, I have seen a lot more of what they do, and am continually amazed at the passion and dedication they bring to their jobs. Their steadfast attention to detail greatly reduces the number of "last-minute surprises" and train wrecks that occur, making it a much more enjoyable experience for the rest of us. Take a moment to personally thank them for all they do.

It would be easy, and maybe not at all totally undeserved to rest upon our laurels. But I know enough of you to know that is not likely to happen. I hope we can spend the next few months reflecting on this and past Shows so we understand more of what made them great, and how we can continue to make it better. In the meantime, take a well-deserved break and a pat-on-the-back for a job well done. And...

... let's do it again next year!



Mark Marikos
President



**TUCSON
GEM & MINERAL
SOCIETY**

LIBRARIANS NEEDED!

FRIST, WE CANNOT THANK BOB & ELAINE ROYER ENOUGH FOR THE HARD WORK THAT THEY PUT INTO ORGANIZING THE TGMS LIBRARY. THEY WORKED LONG HOURS ORGANIZING OUR BOOKS AND PUTTING ALL THIS INFORMATION INTO AN EXCEL FILE.

WITH THAT SAID, IF YOU THINK YOU MIGHT LIKE TO HELP US KEEP OUR LIBRARY IN SHAPE, PLEASE CONTACT THE TGMS OFFICE AT tgms@tgms.org.

THE NEXT TIME YOU SEE BOB & ELAINE - THANK THEM FOR ALL OF THEIR HARD WORK!

Application for Tucson Gem and Mineral Society Scholarship

The Tucson Gem and Mineral Society's mission is to encourage interest and study in geology, mineralogy, lapidary, and allied earth sciences. One aspect we use to accomplish this mission is through the awarding of scholarships. Please contact the TGMS Office at tgms@tgms.org for further information.

All applications received will be reviewed by the Board (or an appointed committee) for consideration. The TGMS scholarship is up to \$5000 and will be awarded based on merit and/ or need of the prospective student.

TGMS General Meeting — January 9, 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.

ANNOUNCEMENT: Dr. Alex Schauss announced that a new bill to make wulfenite Arizona's State Mineral has been introduced to the new legislature. After the bill receives a number, he will notify the TGMS office and membership, and urged members to write or call our representatives in support of the bill.

PROGRAM: Jan Rasmussen, PhD. spoke on "Wulfenite in Arizona" based on molybdenum research she did while at the Arizona Geological Survey and at the Arizona Mining and Mineral Museum. There are 275 wulfenite localities in Arizona which can be seen on a map in Mindat.org. Wulfenite is a lead molybdate mineral occurring as flat crystals, unusual elongated dipyramids, pseudo cubes (very thick plates) or stacked pyramids. There is a correlation between structure and proximity to the source of the lead. The crystals form in the oxidized zones of hydrothermal lead deposits. Color and structure of wulfenite found at various localities were discussed and highlighted with beautiful photographs. Publications discussing the research can be found on www.janrasmussen.com.

BREAK: Members enjoyed meat, cheese, crackers, vegetables, dip, pickles, chicken salad and mini cream puffs. Many thanks to Linda Stauffer.

OLD BUSINESS:

Approval of Minutes: **MOTION:** To approve the November, 2016 General Meeting Minutes. Seconded and approved.

MOTION: To approve the December 5, 2016 General Meeting Minutes. Seconded and approved.

Field Trips: Kerry Towe reported that 44 members went on the Tiger trip and they were very well represented by TGMS. The Tombstone mine tour will be January 14th and requires payment of a \$10.00 fee. Attendees need a hard hat and flashlight. Those interested may proceed to Bisbee to look into joining the Bisbee club which will allow them to attend the trip into the Bisbee Mine. The Mission Mine on Friday, January 27th is limited to 40 people. The Silver Bell Mine trip has been moved to March 4th and is limited to 40 people. Kerry is working on several more trips. He noted that to attend you must be a member in good standing and sign a release.

Education Class: Tuesday, January 10th from 7:00-8:30 p.m. Bill Shelton's topic will be "Garnet-Part Two".

Micromount Meeting: Monday, January 16th at 6:30 p.m.

NEW BUSINESS:

Flagg Mineral Foundation's Twenty-fifth Annual Symposium: Friday March 31 through Sunday April 2, 2017 at the Arizona-Sonora Desert Museum. The host hotel is the Holiday Inn Express at I-10 and Cortaro Road in Tucson. Flyers are in the back.

DRAWING FOR DOOR PRIZES: Linda Stauffer, as meeting host, made the first choice. Drawing winners were Deborah Alderman, Delores Heiden, Donna Pugh, Jo Anne Sam, Ruby Munson, Kerry Towe, Victoria Fila, Bruce Kaufman and Doris Simmons.

The meeting was adjourned at 9:20 p.m.

Respectfully submitted,

Marilyn Reynolds,
Recording Secretary

TGMS General Meeting — January 30, 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: Brad Ross, PhD, PE spoke on “Lessons Learned from the Bingham Canyon Manefay Slide,” which was the largest landslide in mining history. One hundred forty four million tons of material exploded out on April 10, 2013 in two occurrences, the first at 9:30 p.m. and again at 11:00 p.m. The material traveled airborne for three quarters of a mile and a total distance of one and one half miles. Haul trucks and shovels were lost when the material filled the pit. Engineers broke down the area so plans could be developed to recover from the damage. One medium sized shovel, 18 haul trucks and a crusher with a conveyor under the mountain remained undamaged. Innovative ideas were proposed including using remote controlled heavy equipment and employees in all areas assumed leadership roles. It is an amazing story told in “Rise to the Occasion” by Brad Ross.

ANNOUNCEMENTS: Volunteer packets are in the back room and will be given out by groups.

Kerry Towe announced that the Silverbell Mine trip will be Saturday, March 4th and is open to 40 people. Sign-up sheet is on the desk.

BREAK: Jo Anne Sam provided a huge assortment of cookies and some vegetable trays. Thanks Sam!

OLD BUSINESS:

Field Trips: Kerry Towe announced that 19 members went on the January 28th field trip to the Eloy Petroglyphs and Pioneer Quarry, aka blue Rock Mine. The Mission Mine trip will be February 25th and is open to 40 people. The Silver Bell Mine trip will be March 4th. The owners of the Prism Mine bought the Spectrum Mine so a trip there is in the works.

NEW BUSINESS:

Herb Ross, Co-Chair for the Galleria Information Booth and Show Poster/Product Sales asked members to volunteer to help.

Robert and Elaine Royer, librarians for the Society are retiring and are looking for someone to fill the position. If interested, contact Pat McClain or Rose Marques in the office.

DRAWING FOR DOOR PRIZES: Jo Anne Sam, as meeting host, made the first choice. Drawing winners were Tim McClain, Carole Lockhart, George Test, Marilyn Reynolds, Harold “Andy” Anderson, Annaliese Foley, Karen Wenrich, Kent Stauffer, Carl Bowlby and Bob Royer.

The meeting was adjourned at 9:05 p.m.

Respectfully submitted,

Marilyn Reynolds
Recording Secretary

2017 TGMS SHOW WRAP-UP

When Peter Megaw and I were asked to share the duties of Co-Chairmen of the Show this year, I like to joke that we were offered five virgins apiece if we would take the job. But, all joking aside, I was more than pleased with all the people who volunteered for all the work that put on such a successful Show.

Starting with stuffing envelopes in the office, to setting up display cases and linings, to manning the information booths and the give-away booth, to the docents, to organizing and running setup and takedown of all the dealers, the displays, and anything else that had to be done throughout the Show. And you did it with a smile on your face while giving encouragement to each other, to the dealers and the exhibitors. You made the public feel welcome and encouraged all to lean more about minerals, gems, fossils, lapidary, and everything else included in our hobby.

I keep emphasizing that we are not a bunch of professional exhibition organizers. We are amateur volunteers! Unlike many shows worldwide, we do a better job than anyone else can! The individual Show Committee Chairmen each know what has to be done, and how to organize and accomplish all the work, making it look effortless. I have to give thanks to Pat and Rose for "riding ramrod" on the whole shebang. Their long hours leading up to the beginning of the Show are more than appreciated, and, to my mind, are above and beyond the call of duty. Thanks to Arizona Cine for their amazing work setting up the Show footprint. Without their help, I don't know how the Show would be accomplished.



I want to thank Peter Megaw for all his help in the public relations end of the Co-Chairmanship. He has a certain flair for this that I envy. As far as what I did at the Show, I tried to stay out of the way and not mess up what others were doing. If there were any problems, I tried to take care of them so they wouldn't get in the way of your jobs.

Thanks to all of you for doing such a spectacular job!

Richard Gottfried,
2017 Show Co-Chair



**TUCSON
GEM & MINERAL
SOCIETY**

2017 TGMS Show - Competitive Cases

Tucson Competition

Erika Brown	Junior	B-11 Thumbnail Minerals	1st	Best Junior
Mason Kaminski	Junior	B-11 Thumbnail Minerals	2nd	
Wyatt Busby	Junior	B-11 Thumbnail Minerals	3rd	
Maggie Lyons	Junior	B-11 Thumbnail Minerals		
Kaleigh Brown	Junior-Master	E-1 Educational	1st	Best Junior-Master
Maxim Kaminski	Junior-Master	B-11 Thumbnail Minerals	1st	
Joseph Philpott, Jr.	Novice	B-8 Self Collected	1st	Best Novice
Cody Schwenk	Novice	B-8 Self Collected	2nd	
Victoria Fila	Novice	B-8 Self Collected	2nd	
Dan Carlson	Advanced	B-11 Thumbnail Minerals	1st	Best Advanced
Chris Whitney-Smith	Advanced	B-11 Thumbnail Minerals	2nd	
Christi Cramer	Advanced	B-11 Thumbnail Minerals	3rd	
Michael Hollonbeck	Novice	B-12 Open Class	1st	
Richard Gottfried	Novice	F-4 Fossils	1st	
Marc & Janis Countiss	Master	B-12 Open Class	2nd	
Gary & Rosemary White	Master	B-12 Open Class	1st	Best of Show - Master
Cody Schwenk	Novice	B-11 Thumbnail Minerals	1st	
Joseph Philpott, Jr.	Novice	B-11 Thumbnail Minerals	2nd	
Gloria Quigg	Novice	E-1 Educational	2nd	

Best of Theme

Terry E. Huizing	Best of Theme	Self-collected	Honessite - Halls Gap, KY
Terry E. Huizing	Best of Theme	Lapidary/Jewelry	Datolite - Michigan
Al Liebetrau	Best of Theme	Thumbnail	Marcasite on Galena, MO
Terry E. Huizing	Best of Theme	Toenail	Fluorite - Illinois
James & Charelle Webb	Best of Theme	Miniature	Fluorite - Illinois
James & Charelle Webb	Best of Theme	Small Cabinet	Fluorite & Celestite - Clay Center, OH
James & Charelle Webb	Best of Theme	Cabinet	Silver and Copper - Michigan

Special Trophies

Gary & Rosemary White	Desautels	Best Case of Minerals	
Marc & Janis Countiss	Lidstrom	Best Single Specimen	Silver - Wolverine Mine, Houghton Co., Michigan
Les & Paula Presmyk	Bideaux	Best Arizona Specimen	Azurite - Czar Mine, Bisbee, AZ
Irv Brown	Romero	Best Mexican Specimen	Adamite - Ojuela Mine, Mapimi, Durango, Mex.
Brad and Linda Ross		Best TGMS Member Case	Millie and Bill Schupp Memorial Trophy
Carnegie Museum		Best Museum Exhibit	Betty & Clayton Gibson Memorial Award

2017 TGMS Show - A few of the Competitive Winners



TERRY HUIZING
BEST OF THEME - SELF-COLLECTED
HONESSITE- HALLS GAP, KY



AL LIEBETRAU
BEST OF THEME - THUMBNAIL
MARCASITE ON GALENA, MO



JAMES & CHARELLE WEBB
BEST OF THEME - SMALL CABINET
FLUORITE & CELESTITE - CLAY CENTER, OH

2017 TGMS Show - A few of the Competitive Winners



**ERIKA BROWN - JUNIOR
B-11 THUMBNAIL MINERALS
1ST BEST JUNIOR**

**JOSEPH PHILPOTT, JR. - NOVICE
B-8 SELF COLLECTED
1ST BEST NOVICE**



**GARY & ROSEMARY WHITE
DESAUTELS
BEST CASE OF MINERALS**

2017 TGMS Show - Winners of the Mineral Photo Contest



THE MACRO WINNER

MATTEO CHINELLATTO OF ITALY

**A PHOTO OF GROSSULAR AND CLINOCHLORE
FROM ITALY.**



THE MICRO WINNER

LASZLO TOTH OF HUNGARY

**A PHOTO OF CUPRIAN ADAMITE
WITH CONICALCHALCITE FROM
GREECE.**

**THINK ABOUT SUBMITTING A PHOTOGRAPH FOR THE 2018 TGMS SHOW - YOU CAN
CONTACT JEFF SCOVIL FOR DETAILS AT jeffscovil@earthlink.net**

**CRYSTALS
AND
CRYSTAL FORMS**

**THE 64TH ANNUAL
TUCSON GEM AND MINERAL SHOW®
February 8-11, 2018**

ROCK TALK

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

FROM:

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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 7:30 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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