

2014 TUCSON GEM & MINERAL SHOW™

Symposium & Guest Speaker Schedule
“60 yrs. of Diamond, Gems, Silver and Gold”

[TB: Turquoise Ballroom](#)

[CB: Crystal Ballroom](#)

Thursday, February 13th

1:00 pm – 3:00 pm (CB)

Mineral Photography Seminar
By Jeff Scovil:

2:00 pm – 3:00 pm (TB)



"Original Cuprian Elbaite. Paraiba, the Batalha Story. Type locality. 1988-2013 "
By **Brian Charles Cook** - The lecture covers the history of the type locality for cuprian elbaite, “Paraiba” tourmaline, from 1988 to present. Some geology, some gemmology, and the story. Brian's geology background and his involvement in new occurrences in the Brazilian gem world, such as the Paraiba tourmaline, spessartine garnet, emeralds, rutilated quartz etc., has positioned him as a consultant in the field of exploration geology and purveying for gems and minerals.

3:30 pm – 4:00 pm (CB)

Society of Mineral Museum Professionals Board Meeting

4:00 pm – 5:00 pm (CB)

Society of Mineral Museum Professionals Membership Meeting

5:00 pm – 6:00pm (CB)

Society of Mineral Museum Professionals
Program: “Social Media in Museums: The New Normal”

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Friday, February 14th

9:30 am - 6:00 pm (TB) **Arthur Roe Memorial Micromount Symposium**

9:30 am - 10:00 am (TB) **Welcome and Scope Setup**

10:00 am - 11:30 am (TB) **Symposium Talks:**

10:00 am – 10:45 am

“Micromounts - pulchritudo in parvitas - beauty in smallness. From the naked eye to .25mm”

By Maureen Campeau - Born in small town Ontario, Canada July 29, 1952. Worked various jobs throughout the years until 2000 when she met Rodney Lee of Simkev Micromounts. Since that time she has done all the accounting, office stuff, emails, invoicing, shipping and updating the web on a timely basis. About 5 years ago she took a chance and started selecting specimens for resale and has done so ever since. In 2010, she met Patrick Haynes and he took her collecting for the first time and few times since then. She, also, reconnected with August Dietz near Richmond Virginia who has also proven to be a good mentor.

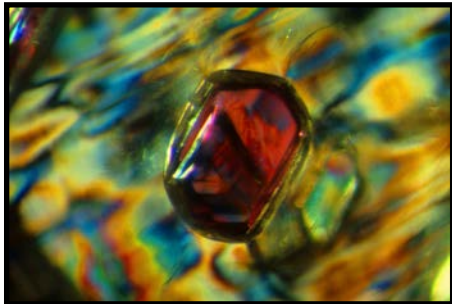


She first attended Tucson in 2011 and will head that way again in 2014 for her third solo drive. She is still learning the ropes but has learned so much from Rodney, Patrick and August. She will be presenting specimens from her own collection, which she has built over the years. All of the photo's were taken by Rodney Lee.

10:45 am – 11:30 am

“The MicroWorld of Diamonds”

By John Koivula - Inclusions in diamonds are telling us something about their host's place of origin and journey to the surface. Diamond's incredible durability and generally high transparency provide a clear window through the rocky crust and into the earth's molten interior below the Moho. As diamonds begin to crystallize at depth remnants from the surrounding geologic environment may become trapped as inclusions as the diamonds increase in size. Some mineral inclusions are very colorful, some are extremely ancient, some may be very rare, some can affect their host in a disastrous way, and some can be so beautiful that they compel us toward further study. Any inclusion can teach us something about the diamond enclosing it. This talk will introduce the microworld of diamonds and explore the value of this unique mineral beyond its application in jewelry.



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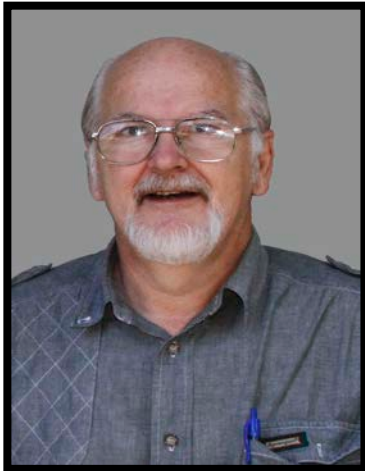
[CB: Crystal Ballroom](#)

Friday, February 14th : CONTINUED

Arthur Roe Memorial Micromount Symposium

11:30 am – 12:15 pm

“Microminerals of Franklin-Ogdensburg, New Jersey”



By Van King - The minerals of the Franklin Mining District, New Jersey, USA come in just about all of the collectible mineral genres: cabinet specimens to micromounts, rare species, gem materials, and fluorescent minerals. Because of the species diversity, only an aggressive specialist can hope to have a reasonably complete representation. The Franklin Mineral Museum is celebrating its 50th anniversary of incorporation in 2013-2014 and intends to have a large photo atlas book of the species from the district to coincide with a celebration, probably in the Spring of 2014. To this end, a number of authors and photographers are working with Peter Chin and Van King to produce as comprehensive a book as possible. Individual images are also being sought from worldwide sources. The images in this program will be among the images considered for that book. All of the images for the book, from cabinet sized specimens through small micro as well as all of the fluorescent specimens, should be focus-stacked to achieve the maximum image sharpness. Photographic expeditions have been underway to photograph the best known specimens of each species. The final book should be about 500 pages and should contain about 1500 images. Funding has been provided by private donors. There is still a need to raise enough money to print the book and the stretch goal is to have two volumes instead of one.

12:15 pm - 6:00 pm (TB)

“Freebie” Tables, Socializing, Specimen Trading Session

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Friday, February 14th CONTINUED

11:00pm – 12 noon (CB) “The Gem and Crystal treasures of the mythical Valley of Mogok!”



By Bill Larson - The President of Pala International, William Larson, is one of the world's most knowledgeable gem and mineral experts. Starting from a small mineral collection at age ten, he has built one of the planet's finest mineral collections in private hands. And along with that, he has built Pala International into one of America's great colored stone houses.

After graduating with a degree in Geological Engineering from the prestigious Colorado School of Mines, Bill started Pala International in 1967. Today he travels the globe several times each year, bringing back both fine gemstones and mineral specimens.

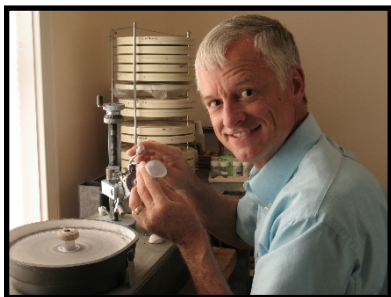
3:30 pm – 5:30 pm (CB)

Geo-Literary Society Meeting & Speakers



“The Evolution of Diamond Cutting”

BY Al Gilbertson of the Gemological Institute of America and Scott Sucher, The Stone Cutter - will present a richly illustrated lecture of the Evolution of Diamond Cutting. The history of the use of diamond and cutting techniques is described, beginning in the 1st millennium BC through the early 19th century AD. It will include highlights of the diamond literature throughout the time period being covered. Computer models of different diamonds cuts and their development are also discussed together. It will also feature some famous historical diamonds.



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Saturday, February 15th

11:00 am – 12 noon (TB) “Taxonomy of a Silver Collection: Chasing the Most Noble of Metals”



By Dr. Terry Wallace, Jr. - Terry Wallace is a long time mineral enthusiast, and a noted expert on silver minerals. Wallace was a professor at the University of Arizona and Curator of the University of Arizona Mineral Museum for 20 years before returning to his home town of Los Alamos, New Mexico in 2003. Terry is the Principal Associate Director for Global Security at Los Alamos National Laboratory. Wallace holds Ph.D. and M.S. degrees in geophysics from California Institute of Technology. Wallace is a Fellow of the American Geophysical Union (AGU), and in 1992 he received the AGU's Macelwane Medal. In June 2011, Wallace gained the rare honor of having a mineral named after him by the International Mineralogical Association Commission on New Minerals, Nomenclature and Classification.

1:00 pm – 2:00 pm (TB)

"The Crater of Diamonds: 100 Years of Stones and Stories"



By Jim Houran, Ph.D. -- Jim is a life-long collector, current member of the Mineralogical Association of Dallas (MAD), and a specialist on "thumbnail" specimens and the Crater of Diamonds State Park (Pike Co, AR). He frequently talks about the psychology of popular culture within the media, including the Discovery Channel, BBC, NBC's Today Show, New Scientist, and Forbes.com. A passion for public education carries over into his mineral hobby. He is an active member of the mineral collecting community, where he hosts the new DVD series "Mineral Perspectives: Thumbnails" from Blue Cap Productions, authors papers for Gems & Gemology, Rocks & Minerals and the Mineralogical Record, and is a regular exhibitor at the Denver Gem and Mineral Show, the Munich Show and the Tucson Gem and Mineral Show™.

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Saturday, February 15th : CONTINUED

**10:00 am – 4:00 pm (CB) 34th Annual FM-TGMS-MSA Mineralogical Symposium
“Diamond”**

**10:00 to 10:05 am Welcome and Introductory Remarks
Julian Gray**

**10:05 to 10:30 am Crater of Diamonds State Park: A One-of-a-Kind Adventure
By Margi Jenks**

**10:30 to 11:00 am Colorful Australian Diamonds
By Penny Williamson**

**11:00 to 11:30 am Diamonds of Russia. History and Present Day (a review)
By Victor K. Garanin, Michael B. Leybov**

**11:30 am to Noon What’s New With Big Blue? Recent Research on the Hope and Other Blue Diamonds
By Jeffery E. Post, Eloïse Gaillou, D. Rost, J.E. Butler**

Noon to 1:00 pm Lunch Break

**1:00 to 1:30 pm The Colorado-Wyoming State Line Diamond-Bearing Kimberlite District
By Peter J. Modreski**

**1:30 to 2:00 pm Investigation of Gem Materials Using 405nm Laser Spectroscopy
By Henry Barwood**

**2:00 to 2:30 pm “Star” (sector zoned) Diamonds From Zimbabwe
By John Rakovan, Eloïse Gaillou, Jeffrey E. Post, John A. Jaszczak, John H. Betts**

**2:30 to 3:00 pm Diamond Crystal Collection of Paul Seel at the Denver Museum of Nature & Science
By James F. Hurlbut**