



2011 TUCSON GEM & MINERAL SHOW™

Symposium & Guest Speaker Schedule

“MINERALS OF CALIFORNIA”

[TB: Turquoise Ballroom](#)

[CB: Crystal Ballroom](#)

Thursday, February 10th

1:00 pm – 3:00 pm (TB)

Mineral Photography Seminar
Jeff Scovil & Mark Mauther

3:30 pm – 4:30 pm (TB)



“Forensic Gemology and the New Generation of Treatments”

Robert James - is the President of the International School of Gemology. He is a Fellow of the Gemological Association of Great Britain, Graduate Gemologist of the Gemological Institute of America, and formerly held the Certified Gemologist title of the American Gem Society. He is a licensed Property and Casualty Insurance Adjuster as well as a certified Continuing Education provider for the Texas Department of Insurance and other states around the country. Robert has established the GemstoneTreatmentReport.com website which is also the title of a certified training course for insurance adjusters and underwriters of the Texas Department of Insurance. Robert was instrumental in exposing the diffusion treatment of andesine by using grass roots gemological tools and testing procedures. He will talk about those techniques and how grass roots level gemologists can accomplish the same testing results on the new generation of gemstone treatments on the market today.

This lecture will discuss the various new gemstone treatments on the market and how to use grass-root level gemological testing and techniques to identify them.

2:00 pm – 3:00 pm (CB)

Society of Mineral Museum Professionals Board Meeting

3:00 pm – 4:00 pm (CB)

Society of Mineral Museum Professionals Membership Meeting

4:00 pm – 5:00 pm (CB)

Society of Mineral Museum Professionals Program

Friday, February 11th

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)

First Session Symposium Talks:

“The Blue Bell Mine”

Dr. Robert Housley – Housleyite is named in honor of Dr. Robert M. Housley, Division of Geological and Planetary Sciences, California Institute of Technology, Pasadena, CA 91125, USA. Robert Housley’s scientific career in experimental solid state physics and materials characterization has spanned nearly five decades. While much of his professional work has focused on planetary/meteoritic materials, he has always had a strong interest in terrestrial mineralogy. In recent years, his personal mineral collecting efforts have brought to light many unusual occurrences of rare minerals in southern California and surrounding areas. His chemical analytical work has served to identify and characterize several new minerals.

Robert Housley has a Ph. D in physics, but has had a strong lifetime interest in mineralogy and is an avid field collector. He is currently a Visiting Associate in Geological and Planetary Sciences at Caltech where his analytical work has served to identify many rare minerals and to characterize several new ones.

The Blue Bell claims encompassed a group of small working, on what was known as Joe Dandy Hill during the prospecting boom of the 1890s. Limited mining activity occurred there during the early 1950s, and since that time these workings have been known as a source of fine mineral specimens. By 1985 forty five species, mostly as micro-minerals, had been identified from there. During the past fifteen years new species have been identified, beginning with the tellurate quetzalcoatlite in 1996. These new species include the tellurates kuksite and dugganite, the rare mineral plumbotsumite, and the new species plumbophyllite and phosphohedyphane-F. The area and the minerals will be described and the history of these finds described.

Friday, February 11th ... continued



“Altogether, too many sheep...”

Steve Sorrel – has been collecting minerals for more than 25 years. He lives in a region that is mineralogically rich, and is particularly well known for the lead chromate mineral, crocoite. That region of course, is the island of Tasmania, the southern-most State of Australia. Steve has travelled to New Zealand on a number of occasions, and has enjoyed collecting at a number of sites around the country. Steve’s other interest is painting, particularly in watercolour, and over the last couple of years, has been concentrating on painting minerals. He has some sheep of his own, but they are not related!

New Zealand is a land of volcanoes and earthquakes, lots and lots of micro minerals, and far too many sheep. Many if not most of the mineral enthusiasts that inhabit these islands are collectors of micro minerals, not just by choice, but because of the number and variety of occurrences. Mindat lists 335 valid mineral species of which 13 are Type Locality minerals. Zeolites and associated minerals occur in many of the abundant basalt outcrops. Metamorphic rocks make up a fair part of the Southern Alps and this area also contains some interesting minerals. New Zealand Greenstone or Pounamu is Nephrite Jade, a tough fine-grained actinolite. Goodletite is a colourful metamorphic rock containing ruby, whose in situ source still remains a mystery. New Zealand even had its own Gold Rush, although not of a scale such as those experienced in nearby Australia. Collectors in recent years have discovered colourful micro minerals such as cavansite and lanthanite-(Nd). Who knows what else lies out there...

11:30 am - 12:30 pm (TB) **Break and Socializing**

12:30 pm - 2:00 pm (TB) **Second Session Symposium Talks:**



“Rare New Tellurium Minerals Recently from the Western United States”

Joe Marty – is an active field collector of minerals in the West. He is a retired medical technologist and maintains a business for cleaning and servicing microscopes. His field collecting has enabled him to build up a collection of over 12,000 catalogued micromounts. He is a member of the Micromounters Hall of Fame. Other hobbies include fishing in Alaska and bird watching.

Joe Marty's PowerPoint presentation will be illustrated with locality pictures, maps, and photomicrographs, many of which were taken with stacking software to improve depth-of-focus. His talk will concentrate on locations in California and Utah. Mineral associations and collecting status at these localities will be discussed.



“A Selection of My Favorites”

Dan Behnke - of Northbrook, Illinois has been collecting and photographing microminerals since 1973.

He has a collection of microminerals which numbers over 16,000 specimens representing over 800 species from numerous localities throughout the world. His photographs of the collection are used to present illustrated programs on mineralogy to a variety of groups across the United States and Canada, and to illustrate articles appearing in periodicals such as The Mineralogical Record and Rocks and Minerals.

Dan is an Associate Photographer of Rocks and Minerals magazine, served as the micromount chairman of the Midwest Federation from 1981 to 1988, and was elected to the Baltimore Mineral Society's Micromounter's Hall of Fame in 2006.

“Mineral slide programs are usually structured around minerals from a particular mining area, selected mines, various species or minerals with particular properties such as the phosphates or the radioactive species. As a result many of my photographs have never been shown because they didn't fit into any particular category especially some of the minerals from overseas.

In order to share some of those images, I have prepared a program containing images that have been overlooked but which are visually attractive. I have about 15,000 images of my own crystals and about 5,000 images that I have taken of other collectors' crystals. “A Selection of My Favorites” is the result of picking the best of the lot.”

2:00 pm - 6:00 pm (TB) **“Freebie” Tables, Socializing, Specimen Trading Session**

Friday, February 11th ... continued

2:00 pm - 3:00 pm (CB)



"The Williams Mineral Collection of Caerhays Castle, Cornwall - rescued from near-oblivion"

Courtenay V. S male – is a retired Chartered Mining Engineer, whose schoolboy interest in minerals took him in to mining. He graduated from the Camborne School of Metalliferous Mining in 1959 and engaged in the Cornish kaolin industry for over thirty years. A fellow of Institution of Mining and Metallurgy and former President of the Royal Geological Society of Cornwall, the Royal Institution of Cornwall, and the Cornish Institute of Engineers, he has lectured on Cornish Minerals and Mining for over forty years. In 1983 he was elected a Bard of the Cornish Gorsedd in recognition of his contribution to mineralogical research in Cornwall. He is the curator of the Williams

Mineral Collection at Caerhays Castle, Cornwall.

3:30 pm – 5:30 pm (CB)

Geo-Literary Society Meeting



"California Gold Rush"

Wayne Leicht - has been around the mineral collecting scene for over 60 years, and has been a mineral dealer since 1971. After graduating from high school he went on to study at Cerritos College, then to the University of California in Long Beach, graduating with a degree in earth sciences.

In Baltimore he attended Johns Hopkins University to study physics. It was in Baltimore that Wayne first met Paul E. Desautels at the annual Baltimore Micromount Conference. It was with Paul Desautels, Neal Yedlin, Lou Perloff and Paul and Hilda Seel that Wayne really began to delve into mineralogy.

Paul Desautels invited Wayne to join him on an around-the-world trip to introduce him to the museums and collectors and give him that "push" to become a dealer. Wayne decided in 1971 to make minerals his livelihood, establishing the *Kristalle* mineral dealership in Laguna Beach, California, where it has been ever since.

Saturday, February 12th

2:00 pm - 3:00 pm (TB)



"Fabulous Treasurers from San Diego Gem Mines"

William Frank "Bill" Larson - has been among the leading American gem and mineral dealers for over 35 years and a collector for 55 years. Bill went on to attend the Colorado School of Mines, graduating in 1967 with a degree in Geological Engineering—and a Tau Beta Pi key (the equivalent of Phi Beta Kappa for engineers). In 1968 he and Ed Swoboda founded the Pala Properties International dealership, (which became Pala International in 1979 when Larson purchased Swoboda's half-interest). Bill then purchased three San Diego County gem mines: the Stewart Lithia, Tourmaline Queen, and Pala Chief. In 1979 he also started work on the famous

Himalaya mine, Mesa Grande, California. His retail shop, called *The Collector*, opened in Fallbrook in 1971 and showcases Pala International's gems, minerals, and *objets d'art*. A second shop is now open at the Four Seasons Aviara in Carlsbad, California.

In addition to his extraordinary mineral collection, Bill has also built one of the nation's finest private collections of mineral specimens and gems, and, with the help of his long-time friend John Sinkankas, has gathered an extensive antiquarian library of over 1,800 volumes. He also serves on the board of the San Diego Natural History Museum, and on numerous boards of organizations in the gemstone field.

4:00 pm - 5:00 pm (TB)



"The California Minerals You Want to Own"

Vandall T. King - is a consulting mineralogist who has been an outside editor for *Rocks and Minerals*, *Geoliterary Journal*, and *Matrix* magazines. He is a co-founder of the Geoliterary Society and the Systematic Mineral Dealers' Association. For many years he acted as co-chairman of the Rochester Mineral Symposium and he is currently a management level editor for Mindat, an international website dedicated to mineralogy and which is ranked in the top one half percent of all websites, and one of the internet's largest databases. Van is branching out into book publishing as well.

Van received his geological and mineralogical training at the University of Maine and the State University of New York and on graduation became the seventh staff mineralogist for Ward's Natural Science Establishment, the world's largest supplier of minerals for government and industry research, colleges, museums, public schools, etc.

Saturday, February 12th ... continued

Van's research interests include granite pegmatites and their mineralogy, systematic mineralogy with a specialty in phosphates, and history of geology and mineralogy. As an educator, Van is active in various projects and has received teaching awards from the Eastern Federation of Mineral and Lapidary Societies, American Federation of Mineral and Lapidary Societies, and from the Wild Acres naturalists' group. He is a frequent presenter at USA mineral symposia and has presented over 300 invited lectures in 22 U.S. states, Canada, and United Kingdom. He is author, editor, or co-author of nineteen mineral books.

Notable books he worked on include the three current systematic mineralogy books in English: Dana's System of Mineralogy (co-author), Minerals and Their Localities (contributing editor), and Handbook of Mineralogy v. 4 and v. 5 (outside contributing editor). Van is the senior co-author of the two volume Mineralogy of Maine, Maine Feldspar, Families, and Feuds, and sole author of the recently released Collector's Guide to Granite Pegmatites. His newest book, Nature's Garden of Crystals is debuting at the 2011 Tucson Gem and Mineral Show™.

10:00 am – 1:00 pm (CB) **32st Annual FM-TGMS-MSA Mineralogical Symposium**

"Minerals of California"

- 10:00 am. **Introductory Remarks**
Symposium Co-Chairs: Julian C. Gray and Mark Mauthner
- 10:05 am **"The Oceanview Mine: Pala's Newest Gem"**
Mark Mauthner
- 10:30 am **"The California Blue Pegmatite"**
Rick Kennedy
- 11:00 am **"The Little Three pegmatite mine, Ramona, California"**
David London
- 11:30 am **"Curating the Carpenter Collection of Crestmore, California Minerals"**
Carl A. Francis and Tracy L. Warmington
- 12:00 pm **"Photographing the collection at the Harvard Mineralogical Museum"**
Jess T. Dugan and Eva Barajas
- 12:30 pm **"The Discovery of the World's Finest Fresnoite"**
Scott Kleine

3:00 pm - 4:00 pm (CB)



"Benitoite - An artistic impression of California's State Gem"

Brett Keller - has actively been collecting and preparing Benitoite since the recent opening (and subsequent closing) of the Benitoite Gem Mine to public collecting. He will detail the history of the mine and properties of Benitoite and will discuss how Benitoite specimens are prepared, showing the transformation of rough ore typical of what is found to finished specimens. His program will detail the materials used, the safety precautions of these materials (and consequences for misuse) and the process of etching rough ore, and will give tips on the artistic impression Benitoite may exude.

"Benitoite is one of the few minerals on earth that are created by art - Pockets of "glittering blue diamonds" are long a part of the past, but what still resides in the dumps of the mine, or in peoples' garages and backyards are treasures in waiting. The saving grace of Benitoite today is the Natrolite coating that grew over the crystals during subsequent paragenesis of the ore body. he Natrolite has protected the crystals, and an artistic hand is required to make aesthetic display specimens that show the mineral's true beauty. With the recent resurgence of rough material available for sale or to be found at the newly renamed California State Gem Mine, this program gives a method of etching which is straightforward and easy to understand for the beginner with tips for the experienced artist as well."

Keller's collection of Benitoite will be displayed at the main show - his first Tucson appearance. The collection includes several specimens that were field collected at the mine, and all specimens in the display were self-etched.

Sunday, February 13th

1:00 pm – 2:00 pm (TB)



“Jewelry Inspirations”

Erik Stewart – his jewelry creations display strong geometrical lines, soft flowing surfaces, and highlights of the ethereal beauty of choice gemstones. Their unique mountings generate surprising reflections of the gems and surfaces from unexpected angles. These selected designs are representative of his passion for sculptural art inspired by his lifelong experiences.

A Graduate Gemologist certified by G.I.A. since 2003 along with over 16 years of experience in the jewelry industry. He designs using CAD/CAM software to enhance the precision to achieve world-class workmanship. All of the designs are manufactured in-house with care and the highest level of quality by Erik himself and

his fellow master jewelers.

His creative ideas stem from the creative images that emerge from his studies of music, fine art and architectural expression derived from traveling around the world. His strong affinity for geometry, elegance, and simplicity is a significant motif in all of his jewelry concepts.

2:00 pm – 3:00 pm (TB)



“California – Treasure Trove of New Minerals”

Anthony Kampf - received his Ph.D. in mineralogy and crystallography from the University of Chicago in 1976. He has been a curator in the Mineral Sciences Department of the Natural History Museum of Los Angeles County since 1977. He has described more than fifty new minerals and he is the U. S. delegate to the Commission on New Minerals, Nomenclature and Classification (CNMNC) of the International Mineralogical Association (IMA).

More new mineral species have been discovered in California than in any other state. With a dozen new species approved in the last two years, the number now stands at 133, nearly double that of the nearest competitor New Jersey, which has

76. California's geological diversity is responsible for its great mineralogical diversity. While New Jersey's large number of new species is principally from the remarkable Franklin/Sterling Hill deposits, California boasts a large number of deposits with unusual mineralogies. This program will highlight California's top ten deposits (or types of deposits) for new minerals, with special emphasis on the most active current sources.



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