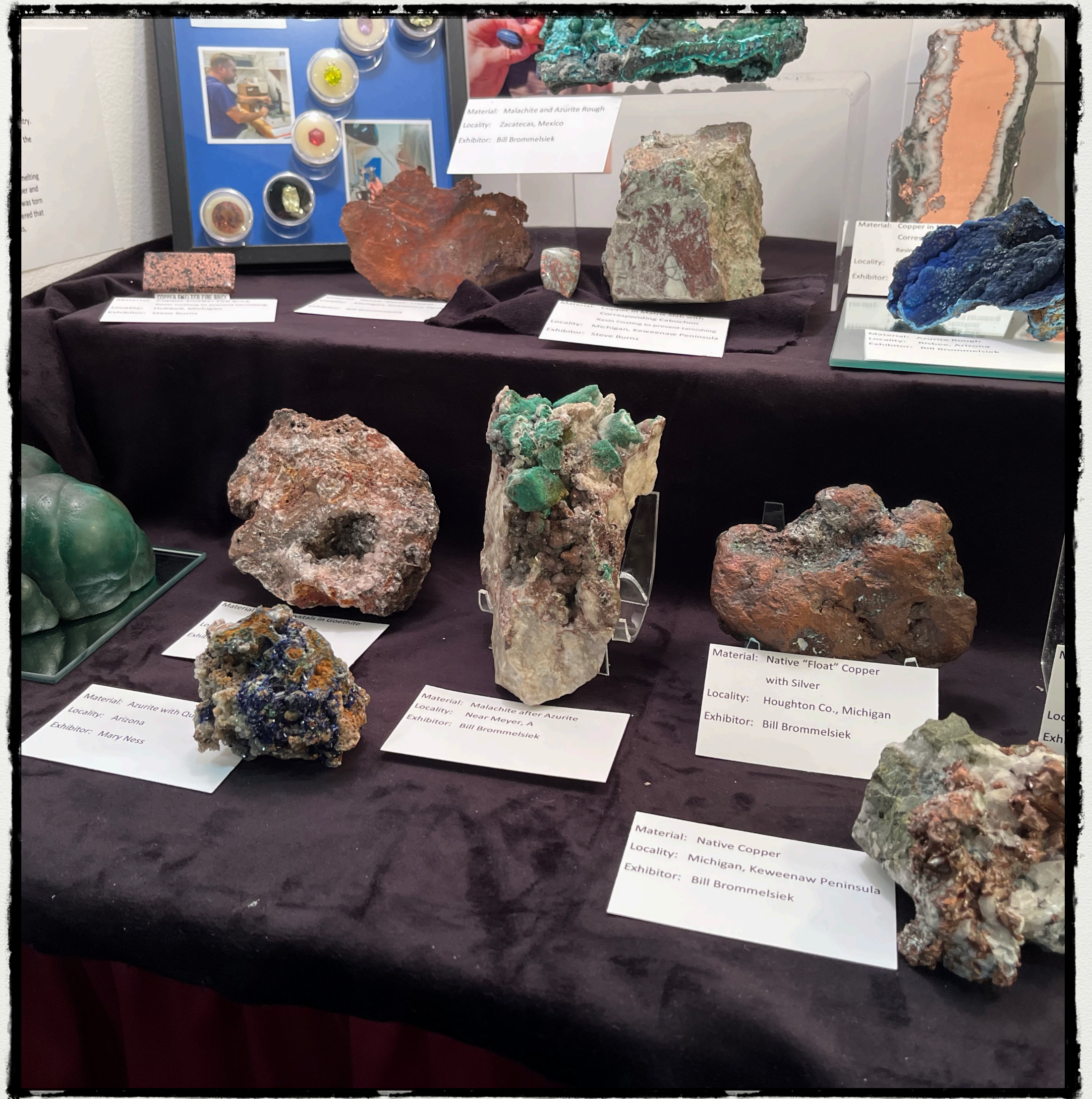


2022 SAN DIEGO FAIR

ECVGMS GROUP ENTRY





Happy Rock Hounds.



Hauser Geode Beds



Carmelita Mine



(Cuprite)  
na  
lsiek

Material: Azurite Rough  
Locality: Morocco  
Exhibitor: Steve Burns

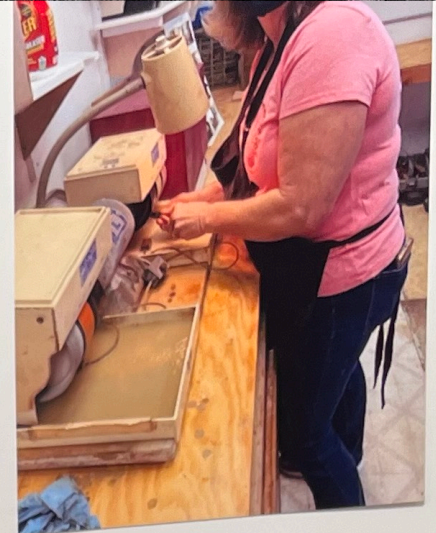
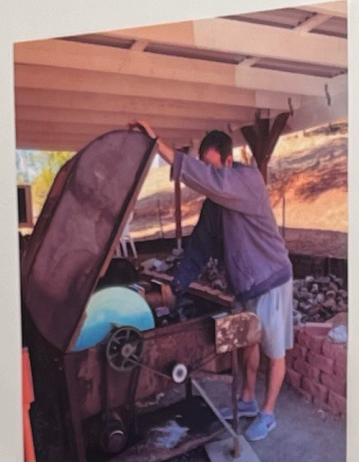
Material: Vanadinite Crystals  
Locality: Red Cloud Mine, AZ  
Exhibitor: Mary Ness

Material: Malachite (carved leopard)  
Locality: Republic of Congo  
Exhibitor: Mary Ness  
Did you know? Malachite is a soft mineral with a hardness of 3.5-4, which makes it perfect for carving.

Material: Fluorite Crystals in Goethite & Galena Matrix  
Locality: Red Cloud Mine, AZ  
Exhibitor: Sandra Deakins

Material: Kurodaite, with Cassiterite, Pyrite  
Locality: Michigan  
Exhibitor: Steve Burns

Bottom left corner:  
Fashion art glass  
Brilliant Oregon sunstone by Aaron Loughheed  
(setting) Round Brilliant Cubic Zirconia by Bill Wiswell  
glass  
Low Oblong Brilliant Lithium Niobate by Brent Banta



Material: Malachite and Azurite Rough  
Locality: Zacatecas, Mexico  
Exhibitor: Bill Brommelsiek

COPPER SMELTER FIRE BRICK  
Material: Copper Smelter Fire Brick  
Resin Coating to prevent tarnishing  
Locality: Hubbell, Michigan  
Exhibitor: Steve Burns

Material: Native Sheet Copper  
Locality: Michigan, Keweenaw Peninsula  
Exhibitor: Bill Brommelsiek

Material: Copper in Matrix Slab with Corresponding Cabochon  
Resin Coating to prevent tarnishing  
Locality: Michigan, Keweenaw Peninsula  
Exhibitor: Steve Burns



Starting at the bottom left corner:  
 Yellow Square Cushion art glass  
 Orange Round Brilliant Leaded art glass by Palmer Tolsted  
 Dark red Round Brilliant Oregon Sunstone by Susan Langford  
 Yellow (in silver setting) Round Brilliant Cuban Citrona by Bill Mitchell  
 Purple Oval art glass  
 Clear/pale yellow Oldsmar Brilliant Lithium Molokai by Brent Berts

**Copper Firebrick**  
 Firebrick is from the old, hand-fired copper smelter of the Calumet & Hecla Mining Co., of Houghton, Michigan. Situated on the Keweenaw Peninsula, also known as the copper country. The old hand-fired smelter was built in 1885-1886. But, by the end of the mid-1920's, furnaces were added. The smelter continued to operate until 1963. It was then closed and dismantled from 1968 and 1973. Over the years, the smelting process resulted in the firebrick absorbing molten copper and other metals from the air charge. When the smelter was torn down, local rockhounds and lapidaries quickly discovered that the copper impregnated bricks made beautiful rocks, bookends and jewelry.

**FACETING CLASS**

Material: Malachite and Quartz  
 Locality: Quartzite, Mexico  
 Exhibitor: Bill Brommelsiek

Material: Shattuckite  
 A combination of Cu  
 Malachite and Chry  
 Locality: Arizona  
 Exhibitor: Mary Ness

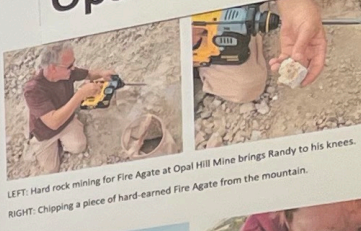
Material: Native Tin  
 with Silver  
 Locality: Houghton  
 Exhibitor: Bill Brommelsiek

Material: Native Copper  
 Locality: Arizona, Keweenaw Peninsula  
 Exhibitor: Bill Brommelsiek

### Work Shop

### Faceting Classes

### Opal Hill Mine



LEFT: Randy double-checking to be sure he didn't leave any Fire Agate spots.  
 RIGHT: Kim did some custom collecting, so did many of the others. We were all surprised with Fire Agate for those willing to take a



# El Cajon Valley Gem and Mineral Society

To Learn More about The El Cajon Valley Gem and Mineral Society  
 Visit our website @ ecvgms.org

### Field trips

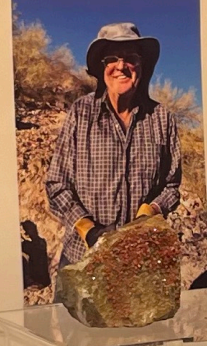


Happy Rock Hounds.

### Hauser Geode Beds



### Carmelita Mine



Top of the hill

Material: Chalcotrichite (Cuprite)  
 Locality: Bisbee, Arizona  
 Exhibitor: Bill Brommelsiek

Material: Azurite Rough  
 Locality: Morocco  
 Exhibitor: Steve

Material: Vanadinite Crystals  
 Locality: Arizona  
 Exhibitor: Steve

Material: Shattuckite  
 A combination of Cuprite,  
 Malachite and Chrysocolla  
 Locality: Arizona  
 Exhibitor: Mary Ness

Material: A Malachite Combination  
 Chrysocolla, Vanadinite, Vanadite  
 Locality: Arizona  
 Exhibitor: Casey Nemes

Material: Synthetic Malachite  
 Locality: Congo  
 Exhibitor: Steve