

## **DMRMC NEWSLETTER ARTICLES**

Find the article or topic in which you are interested. You can browse OR type ctrl/F use the search field to find an article. Note the issue in which it appears, then go to the newsletter archives and download the appropriate issue.

### **2016**

- Nov - Atomic Structure and Fluorescence
  - Jarosite
  - Uses of Fluorescence
- Dec - What are Igneous Rocks?
  - Granite
  - Pegmatite Minerals - What Good Are They?
  - Dragon Mine

### **2017**

- Jan - Diorite & Gabbro
  - Uses of Granite, Diorite, Gabbro
- Feb - Gabbro
  - Uses of Gabbro
- Mar - Basalt
  - Strawberry Crater & Volcanic Bombs
  - Uses of Basalt
  - Trip to Peridot Mesa
  - Anthem Show
- Apr - Silicic Volcanoes or Volcano Go Boom
  - Rhyolite and Andesite
  - Planet Mine Trip
  - Rhyolite, Andesite, Obsidian & Pumice in Our Everyday Lives
- May - What are Sedimentary Rocks?
  - What is in Concrete?
- June - Breccia & Conglomerate
  - Lynx Creek Trip
  - What is in an Incandescent Light Bulb
- Aug - The Great American Eclipse
- Sept - Sandstone
  - Diamond Point
- Oct - Siltstone & Shale
  - Uses of Siltstone & Shale
- Nov - Limestone
  - Uses of Limestone
- Dec - Dolostone & Chert
  - Uses of Dolostone & Chert

### **2018**

- Jan - Evaporites
  - Uses of Evaporites
- Feb - Diatomite & Coal
  - Uses of Diatomite & Coal
- Mar - Foliated Metamorphic Rocks
  - Uses of Foliated Metamorphic Rocks

Continued.....

## DMRMC NEWSLETTER ARTICLES continued

### 2018 continued

- Apr - Non-Foliated Metamorphic Rocks
  - Uses of Non-Foliated Metamorphic Rocks
- May - Sedimentary structures: Ripple Marks
  - Hawaii's Current Eruption
- June - Sedimentary structures: Crossbedding
  - The Adventure Continues, by Stan — Be prepared for off road trips
- Aug - Sedimentary structures: Mudcracks
  - Goblin Valley
  - Online resources for lapidary and related crafts: Facebook, Pinterest, YouTube
- Sep - Sedimentary structures: Graded Bedding
  - Burgess Shale & Hallucigenia
- Oct - Sedimentary Structures: Sole Marks - Flute Casts & Load Casts
- Nov - Fulgurites
- Dec - First Aid and Emergency Kit Essentials
  - State Trust Land Recreation Permit
  - Rattlesnake Myths

### 2019

- Jan - Four Peaks Amethyst
- Feb - Solnhofen Limestone & Reflections on Burro Creek
- Mar - Grand Falls
- Apr - Azurite
- May - Barite
- June - Cerussite
  - Spheroidal Weathering
- Aug - Dioptase
  - MSA Trip to Topaz Mt.
  - Use of Hammer Drill
- Sept - Processing of Copper Oxide Ores
  - Geology of the Verde Formation
- Oct - Processing of Copper Sulfide Ores
  - The Bronze Casting Process
- Nov - Fossils (Introduction, Preservation (inc Trace & Pseudofossils), What Good are They)
  - Eucryptite
  - Game & Fish OHV Decal Alert
- Dec - Fossils II: Kingdom Prokaryotae
  - Fluorapatite

### 2020

- Jan - Fossils III: Kingdom Protista
  - Gypsum
- Feb - Fossils IV: Kingdom Animalia, Phylum Porifera
  - Hematite
- Mar - Fossils V: Kingdom Animalia, Phylum Cnidaria
  - Graphite
  - To the Purple Passion and Beyond
- Apr - Fossils VI: Kingdom Animalia, Phylum Bryozoa
  - Ice

**Continued.....**

## DMRMC NEWSLETTER ARTICLES continued

### 2020 continued

- May - Fossils VII: Kingdom Animalia, Phylum Brachiopoda
  - Jadeite
- June - Fossils VIII: Kingdom Animalia, Phylum Mollusca, Class Bivalvia
  - Kyanite
- July - Fossils IX: Kingdom Animalia, Phylum Mollusca, Class Gastropoda
  - Linarite
- August - Fossils X: Kingdom Animalia, Phylum Mollusca, Class Cephalopoda
  - Molybdenite
  - Comet Neowise, comets in general
- September - Fossils XI: Kingdom Animalia, Phylum Mollusca, Class Scaphopoda
  - Blue Owl
  - Natrolite
- October - Fossils XII: Kingdom Animalia, Phylum Arthropoda, Sub Phylum Trilobitomorpha, Class Trilobita
  - Okenite
  - Conjunction of Saturn & Jupiter
- November - Fossils XIII: Kingdom Animalia, Phylum Arthropoda, Sub Phylum Chelicerata (eurypterids & horseshoe crabs)
  - Pyrite
  - Things Looking Up -- Halos
- December - Quartz variety Chalcedony

### 2021

- January - Fossils XIV: Kingdom Animalia, Phylum Arthropoda, Sub Phylum Crustacea
  - Rutile
  - Volcanics of N AZ, Part I - San Francisco Mt - a stratovolcano
- February - Fossils XV: Kingdom Animalia, Phylum Arthropoda, Sub Phyla Hexapoda & Myriapoda
  - Silver
  - Volcanics of N AZ, Part 2 - Lava Domes
- March - Thenardite
  - Volcanics of N AZ, Part 3 - Cinder Cones & Spatter Cones
- April - Fossils XVI: Kingdom Animalia, Phylum Echinodermata, Classes Crinoidea, Blastoidea & Cystoidea
  - Ulexite
- May - Fossils XVII: Kingdom Animalia, Phylum Echinodermata, Class Echinoidea
  - Vanadinite
  - Molten Mini: Pumice Quarry north of Flagstaff
- June - Fossils XVIII: Kingdom Animalia, Phylum Echinodermata, Classes Asteroidea, Stellerioidea, Edrioasteroidea, Holothuroidea
  - Wulfenite
  - Molten Mini: Baked Soils
- July/August - Zunyite
  - Causes of Color in Minerals
  - Molten Mini: Columnar Jointing

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## DMRMC NEWSLETTER ARTICLES continued

### 2021 continued:

- September - Desert Varnish
  - Ajoite
  - Molten Mini: Uinkaret Volcanic Field
- October - Meteorites "The Sky is Falling"
  - Beryl
  - Molten Mini - Obsidian
- November - Copper, Native
  - Geo Mini - Davemaoite by Aaron Celestian
- December - Dumortierite
  - Geo Mini - Stylolites
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### 2022

- January - Epidote
  - Geo Mini - Thumbnails
- February - Feldspar (Group)
  - Geo Mini - Diamonds Can Tackle Climate Change by Aaron Celestian
  - Small filler on care and repair of iron meteorites
  - Small blurb on Peridot Mesa
- March
  - Garnet Group
  - Geo Mini - How a Mineral Can Get Bigger When It is Squeezed by Aaron Celestian
  - Reserve Bank Mine (pix from Wickenburg trip, included in DMRMC trip summary)
- April
  - Halite
  - A brief synopsis of the formation of pseudomorphs in the Verde Valley
  - Geo Mini - Salt Domes
  - Geo Mini 2 - Interior structure of the Earth (diagram)
- May
  - Jadeite
  - Geo Mini - Tafoni
- June
  - Kaersutite
  - Geo Mini - Spheroidal Weathering
- August
  - Leadhillite
  - "Green" Cement and Steel
  - Flash Flooding: A first-hand account
- September - Mirabilite
  - Geo Mini - Obsidian
- October - Neptunite
  - Geo Mini - How Minerals Get Their Names
- November - Opal
  - Event Safety
- December - Eclogite aka Christmas Rock
  - Geo Mini — Historical Geo-Booms and the Hunga Tongo Volcano
  - Preparing for a Fun & Safe Field Trip

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## **DMRMC NEWSLETTER ARTICLES continued**

### **2023**

- January - Papagoite
  - Geo Mini - Rock Holidays
  - Two-Way Radios
  - How to Clean Slabs Post-Cutting
- February - Rosasite
  - Geo Mini - Lava Ball
  - Event Safety
  - How to Filter Cutting Oil
- March - Schorl
  - Geo-Mini: Triboluminescence
  - Vehicle Safety
  - Water Glass
- April - Topaz
  - Pink vs Rose Quartz
  - Geo-Mini: Phantoms
  - Emergency Rescue Plan
  - Constructing a Dop Stick Holder
- May - Uvarovite
  - Geo-Mini—Psammophile
  - Danger: Dehydration
- June - Vermiculite
  - First Aid
  - Geo-Mini - Allende Meteorite
- July/August - Willemite
  - Geo-Mini - State Dinosaurs
- September - Type Minerals
  - Geo-Mini - Gold: Did You Know?
  - Rockhound's Code of Ethics
- October - Yavapaiite
  - Geo-Mini: Hardness
- November - Zircon
  - Geo-Mini: Streak
- December - Phantom Crystals
  - Geo-Mini: Fracture

### **2024**

- January - Earthquakes
  - Geo-Mini: Cleavage
- February - Perlite & Apache Tears
  - Geo-Mini: Luster
- March - What is in a Smart Phone
  - Geo-Mini: Color