

## DMRMC NEWSLETTER ARTICLES

Find the article or topic in which you are interested, 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

**Continued.....**

## 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
  -

### 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

# **DMRMC NEWSLETTER ARTICLES continued**

## **2023**

- January - Papagoite
  - Geo Mini - Rock Holidays
  - Two-Way Radios
  - How to Clean Slabs Post-Cutting
- February - Rosasite
  - Perlite & Apache Tears
  - 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