

ARIZONA ROCKS INDEX

Arizona Rocks	Topic	ESM Newsletter
1	Igneous/Basalt	June 2013
2	Rhyolite	July 2013
3	Granite	August 2013
4	Pegmatite	September 2013
5	Diabase/Gabbro	October 2013
6	Obsidian	November 2013
7	Andesite/Rhyolite	December 2013
8	Peridotite	January 2014
9	Kimberlite	February 2014
10	Rock Textures/Porphyry	March 2014
11	Igneous rocks summary	April 2014
12	Sedimentary/breccia	May 2014
13	Rock Formations	June 2014
14	Rock Weathering	July 2014
15	Conglomerate	August 2014
16	Sandstone	September 2014
17	Shale/mudstone/claystone	October 2014
18	Limestone	November 2014
19	Dolostone	December 2014
20	Evaporates/Salt	January 2015
21	Chert	February 2015
22	Coal	March 2015
23	Sedimentary rocks summary	April 2015
24	Metamorphic rocks overview	May 2015
25	Phyllite	June 2015
26	Schist	July 2015
27	Gneiss	August 2015
28	Quartzite	September 2015
29	Serpentinite	October 2015
30	Metamorphic rocks summary	November 2015
31	Lava River Cave	December 2015
32	Sunset Crater/SP Crater	January 2016
33	Red Mountain & Grand Falls	February 2016
34	Walnut Canyon	March 2016
35	Kartchner Caverns	April 2016

ARIZONA ROCKS INDEX

Arizona Rocks	Topic	ESM Newsletter
36	Oak Creek Canyon	May 2016
37	Mineral Naming	June 2016
38	Grandviewite	July 2016
39	Grandview Mine/breccia pipes	August 2016
40	Wulfenite	September 2016
41	Bisbee's minerals	October 2016
42	Tombstone's minerals	November 2016
43	Boyce Thompson Arbo's rocks	December 2016
44	Rainbow Bridge	January 2017
45	Unconformities	February 2017
46	Hole-in-the-Rock's rocks	March 2017
47	South Mountain's rocks	April 2017
48	Books on rocks and geology	May 2017
49	Pseudomorphs	June 2017
50	Verde Valley's salt deposits	July 2017
51	Montezuma Castle	August 2017
52	Montezuma Well	September 2017
53	Canyon de Chelly	October 2017
54	Navajo Volcanic Field	November 2017
55	Unusual volcanic rocks	December 2017
56	Jerome's geology	January 2018
57	Queen Mine tour & Bisbee M&H Museum	February 2018
58	Payson Unconformity sphere	March 2018
59	AZ's Sonorasaurus Dinosaur	April 2018
60	Arizona-Sonora Desert Museum	May 2018
61	Good Enough Mine Tour Tombstone	June 2018
62	Dinosaur footprints near Tuba City	July 2018
63	Black Mesa coal	August 2018
64	Coal Mine Canyon	September 2018
65	Deep Well Ranch Oil Florence	October 2018

ARIZONA ROCKS INDEX

Arizona Rocks	Topic	ESM Newsletter
66	Drilling for Oil & Gas in AZ	November 2018
67	Tucson Gem & Mineral Shows	December 2018
68	Desert Varnish	January 2019
69	Desert Pavement	February 2019
70	Petrified Forest	March 2019
71	AZ State Fossil	April 2019
72	AZ State Gemstone/Turquoise	May 2019
73	Meteorites	June 2019
74	Meteor Crater	July 2019
75	AZ's Glaciers	August 2019
76	Elves Chasm Gneiss 1.8 bya	September 2019
77	AZGS Walking Tour	October 2019
78	Sinkholes	November 2019
79	Earth Fissures	December 2019
80	Landslides	January 2020
81	Blowholes Wupatki NM	February 2020
82	Stromatolites	March 2020
83	Richard Graeme website	April 2020
84	AZ Stromatolites	May 2020
85	Earth's Magnetic Poles	June 2020
86	UA Paleomagnetic Lab	July 2020
87	AZ Mammoth	August 2020
88	ESW Minerals Day	September 2020
89	Balanced Rocks	October 2020
90	Balanced Rocks UT	November 2020
91	Carl Haden VC Glen Cyn Dam	December 2020
92	Earthquakes in AZ	January 2021
93	Glen Canyon Dan	February 2021
94	Antelope Canyon	March 2021
95	Raft trip Glen Cyn	April 2021
96	Page Summary, orchids	May 2021
97	Springerville Dinosaurs	June 2021
98	White Mountain Volcanos	July 2021
99	Casamalpais park	August 2021
100	Alfie Norville Gem and Mineral Museum	September 2021

ARIZONA ROCKS INDEX

101	Tucson ring Meteorite	October 2021
102	Arizona Geological Survey	November 2021
103	John Wesley Powell	December 2021
104	Chiricahuas	January 2022
105	Superstitions	February 2022
106	Chalcedony, desert roses	March 2022
107	Tonto Natural Bridge	April 2022
108	Travertine deposits	May 2022
109	Monument Valley	June 2022
110	Lava dams Grand Canyon	July 2022
111	Fulgurites	August 2022
112	Fulgurites 2	September 2022
113	Lonsdaleite	October 2022
114	Struvite, Rowley Mine	November 2022
115	Lode Gold	December 2022
116	Tucson and Az agate	January 2023
117	Placer Gold	February 2023
118	Opal	March 2023
119	Mineral Districts, Rasmussen	April 2023
120	Ten-year summary	May 2023
121	High cool places	June 2023
122	Mogollon Rim	July 2023
123	Springerville Museum	August 2023
124	Meteor Crater, Nininger, Moore	September 2023
125	Poston Butte	October 2023
126	Walker Butte	November 2023
127	Flagg Show	December 2023
128	Tucson show pegmatite	January 2024
129	Oxidized copper deposits	February 2024
130	Copper	March 2024
131	Copper at Pinal Geology Mus.	April 2024
132	Southwest Paleontological Society	May 2024
133	AZ Museum of Natural History	June 2024
134		July 2024



ARIZONA ROCKS INDEX