

Discover Minerals

Traveling Through Geologic History One Rock at a Time!

Volume 1 Issue 4

www.discover-minerals.com

Inside This Issue

Mineral Showcase

Mimetite



DM Field Trips Mojave National Preserve

Located in the eastern portion of the Mojave Desert, the Mojave National Preserve (formerly known as the East Mojave National Scenic Area) is the third largest member of the National Park System in the contiguous U.S., encompassing more than 1.5 million acres.

Features

Mine of the Month

Mohawk Mine

(Ivanpah District, CA)

The Mohawk Mine explores hydrothermal deposits emplaced by a Cretaceous igneous intrusion into much older overlying carbonate formations. The group of claims that comprise the mine lay within the Ivanpah Mining District about 60 miles south of Las Vegas.

Element of the Month

Arsenic

Known and utilized by the medieval alchemists in their pursuit of changing base metals into gold and to discover the elixir of perpetual youth, arsenic, a Group V metalloid with 33 protons in its nucleus, is the 53rd most abundant element in the Earth's crust

Articles

Page 2

Identify Your Treasures

Learning how to establish or verify the identification of minerals can provide an added dimension of enjoyment to what, for many, turns into a lifelong pursuit, while at the same time can help the collector avoid the pitfalls of collecting.

Part Three

Physical Mineralogy:

Color

Page 26

Mtn Pass RE Deposit

Situated at the base of the south flank of the Clark Mountain Range, about 60 miles southwest of Las Vegas, Nevada, a rare geological setting hosts an igneous intrusion unusually rich in strategically important elements, the **Mountain Pass Rare Earth Deposit**.

Mineral Identification

Part One
Descriptive Mineralogy

Part Two
Determinative Mineralogy

Part Five
Crystallography

Part Three
Physical Mineralogy

Part Four
Chemical Mineralogy