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Minerals, and how to Study Them A Book for Beginners in Mineralogy, Edward Salisbury Dana, 1895, , 380 pages. .

Karst hydrology and physical speleology , Alfred BГ­gli, 1980, Science, 284 pages. .

The system of mineralogy of James Dwight Dana and Edward Salisbury ..., Volume 1 , James Dwight Dana, Edward Salisbury Dana, 1944, , . .


Mineralogy in the system of earth sciences , Emil Constantinescu, 1999, Science, 384 pages. To celebrate Professor Emil Constantinescu's 60th birthday, this volume presents a selection of his major papers. The papers are grouped according to the main directions of ....


Lechuguilla Jewel of the Underground, Urs F. Widmer, Jan 1, 1998, , 164 pages. .

Mineralogy of Arizona , John Williams Anthony, 1995, Science, 508 pages. For nearly 20 years, Mineralogy of Arizona has been respected as the definitive reference on Arizona minerals. Now completely revised and greatly expanded with breathtaking new ....


This book is intended for cavers and mineralogists alike. Cavers will especially enjoy the color photography--at least one photo of each speleothem type is included. The professional mineralogist will find the bibliography useful: almost 4500 references are included, an estimated 95 percent of all the articles ever written on cave minerals anywhere in the world. The glossary is intended to be helpful for new cavers who are not familiar with the mineralogical and speleological terms used by "old timers."

Cave Minerals of the World (Second edition) is a must read for spelunkers, and amateur and professional mineralogists and geologists. It will also be of great value to owners and operators of commercial caves throughout the world, giving all non-scientists a greater understanding and appreciation for the how and why of cave minerals formations.

The text starts with descriptions and color photographs of 38 morphological types of cave growths. Following the first 117 pages, the authors present descriptions of some 247 minerals that are conveniently grouped as in a mineralogy text by their chemistry. After these descriptions, profusely illustrated with color photographs, are descriptions of 9 organic minerals. Next is a chapter on related forms running the gamut from lava formations to guano-fire minerals. There is a lengthy section of special topics related to the mineralogy of speleothems from their crystallography, color, luminescence, mono and macro crystallinity, microclimate of formation, dating and other interesting subjects. The text is topped off by the authors picks of the top 10 caves in the world with multi-page articles about each cave. A handy glossary, lengthy bibliography, and useful index round out the publication.

This book presents a great value for its moderate price of and brings together information otherwise scattered throughout the literature. Its attractive cover, small coffee table dimensions, and high quality paper and graphics makes it a standout in value. Once examined, this publication will become a much used reference text.

If you are interested in minerals, either as a hobby or as a professional, and you do not have this book in your library, you are missing out on the most comprehensive coverage of minerals that occur in the cave environment. I highly recommend this book, color pictures are lavish and plentiful, discussion is directed towards the interested layperson but with enough meat for a professional to learn and enjoy!

I actually don't own this book (yet), but I have borrowed it from my boss. I'm a cave tour guide and geology student, so I may be a little biased, but I must say this is the best book I've ever read. The text is clear and thorough, the pictures perfect, and organization superb. This has to be the best book on cave formations, and is a must buy.

The classification scheme of Hill and Forti, as used in the second edition of Cave Minerals of the World, is presented as a "practical" solution to the classification of cave minerals and speleothems. Classification and naming of cave minerals is by crystal class and follows nomenclature approved by
the International Mineralogical Association. Classification of speleothems is based on morphology and whatever is known about origin, with division of speleothems into types, subtypes, and varieties. It is proposed that new speleothem types, subtypes, and names be approved by a UIS Commission of cave mineralogists.

acid aerosol anthodites aragonite bat guano bedrock boxwork brushite Cabrol calcite calcium Cancian carbon dioxide Carlsbad Cavern cave environment cave mineral cave pearls cave pool cave walls ceiling clay cm long coatings color comm composed coralloids crystalline crystals Cupp-Coutunn Cave Davis deposits derived Diaconu dolomite dripstone Dublyansky epsomite evaporation floor flowstone fluorite formation frostwork fumarole Geol goethite grotte growth gypsum halite helictites Hill humidity hydromagnesite hydrothermal hydroxylapatite Italy karst Kashima Kavalieris lava tube layers Lechuguilla Cave limestone luminescence Maltev manganese Martini Mexico mineral which forms mineral which occurs mirabilite monoclinic moonmilk Natl nitrate occurs as crusts Onac origin oxidation passage Photo popcorn powder precipitation quartz rafts REFERENCES reported rimstone dams rock sediment Seemann selenite shelfstone Shopov silicate soda straws solution South Africa spar Speleol speleothem type speleothems stalactites stalagmites subaqueous subtype sulfate sulfide sulfur surface temperature thenardite thick thin Turkmenistan Urbani

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