DESCRIPTION

First published in 1848, authored by J.D. Dana, the *Manual of Mineral Science* now enters its 23rd edition. This new edition continues in the footsteps of its predecessors as the standard textbook in Mineralogy/Mineral Science/Earth Materials/Rocks and Minerals courses.

This new edition contains 22 chapters, instead of 14 as in the prior edition. This is the result of having packaged coherent subject matter into smaller, more easily accessible units. Each chapter has a new and expanded introductory statement, which gives the user a quick overview of what is to come. Just before these introductions, each chapter features a new illustration that highlights some aspect of the subject in that particular chapter. All such changes make the text more readable, user-friendly and searchable. Many of the first 14 chapters are reasonably independent of each other, allowing for great flexibility in an instructor’s preferred subject sequence. The majority of illustrations in this edition were re-rendered and/or redesigned and many new photographs, mainly of mineral specimens, were added.

**NEW Thoroughly Revised Lab Manual**


Dr. Cornelius Klein is the noted academic mineralogist who co-authored, and later took on the monumental task of updating, Dana's original Manual of Mineralogy.

James D. Dana (1813 - 1895) graduated from Yale University in 1833. He joined a U.S. exploring expedition to the South Seas (1838 - 42), acting as a geologist and zoologist. His contributions to the American Journal of Science stimulated U.S. geologic inquiry. His research into the formation of the Earth's continents and oceans led him to believe in the progressive evolution of the Earth's physical features over time. By the end of his life he also came to accept the evolution of living things, as articulated by Charles Darwin. During his lifetime, and largely under his leadership, U.S. geology grew from a collection and classification of unrelated facts into a mature science.

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