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OLSEN AGUIRRE

Tables for the Determination of the Rock-forming Minerals Cambridge University Press

This volume deals with sulphates, carbonates, phosphates and halides, incorporating recent advances in investigative techniques. Each mineral chapter has sections on structure, chemistry, optical and physical properties, distinguishing features and paragenesis. Chapters are headed with brief tabulations of mineral data and a sketch of optical orientation. Results are included from ocean floor experimentation and deep sea drilling.

A Key for Identification of Rock-Forming Minerals in Thin Section Sagwan Press

This book provides a very basic introduction to electron microscopy and energy dispersive spectrometry (EDS). It has the largest compiled collection of EDS spectra ever published and covers most common rock forming minerals. In addition, it provides a key to help the novice wade through the large number of spectra.

The Determination of Rock-Forming Minerals Routledge

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Physical Geology Geological Society of London

'Hurray for Mackenzie and Guilford for at last we have a pictorial guide to the rock-forming minerals! . . . such feasts of colour in mineralogy books are rare . . . an admirable guide' New Scientist

An Introduction to the Rock-forming Minerals Forgotten Books

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Rock Forming Minerals CRC Press

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Rock-forming Minerals: Framework silicates Hassell Street Press

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Earth Materials Legare Street Press

A second edition, in two parts, of Volume 1 of this well-known reference series. This volume deals mainly with the olivine and garnet groups and also the humite group, zircon, sphene, vesuvianite, the Al₂SiO₅ (including mullite), topaz, staurolite and chloritoid. The disilicates and ring-silicates are

covered in Volume 1B. In the years since the first edition was published, the quantity and scope of research on the olivines, garnets and the aluminosilicates has grown enormously and has given rise to a wide variety of literature. This book, which has been completely rewritten and considerably expanded, summarizes the important research results and presents them in an organized fashion. Each mineral chapter is divided into sections on structure, chemistry, optical and physical properties, distinguishing features and paragenesis. Each chapter is headed by a tabulation of mineral data and a sketch showing optical orientation, and concludes with full references to the literature. Diagrams of the crystal structures are presented and are followed by a discussion of the structural features. The chemical sections include a large number of analyses from which structural formulae have been calculated, illustrating the chemical and paragenetical variation exhibited by each mineral; phase equilibria in relevant systems are fully considered. In the sections on optical and physical properties, particular attention is paid to the correlation of these properties with chemical composition. The principal modes of occurrence are described and discussed in the paragenesis sections; here again correlation with chemistry is emphasized. 11 volumes are available in this series.

Rare Earth Elements in Ultramafic and Mafic Rocks and their Minerals Palala Press

This revised edition has entailed a thorough re-writing of the text, taking account of the impressive advances that have been made in all aspects of earth sciences, particularly mineralogy, over the recent years.

Rock-forming Minerals Springer Science & Business Media

Identification of rock-forming minerals in thin section is a key skill needed by all earth science students and practising geologists. This translation of the completely revised and updated German second edition (by Leonore Hoke, Institute of Geological and Nuclear Sciences, New Zealand) provides a comprehensive guide to identifying 140 of the most important rock-forming mineral species. The book is divided into three main parts. Part A is a practical guide to the fundamentals of crystal optics, polarization microscopy and the practical use of microscopes. Part B gives a detailed description of the characteristic optical features, special features, and the paragenesis of the most common rock-forming minerals. This well-illustrated part is divided into opaque minerals, isotropic, uniaxial and optical biaxial mineral groups. Part C contains identification tables for the minerals and diagrams showing the international classification of magmatic rocks, as well as a colour plate section showing crystal forms of minerals. The book will provide an invaluable guide to all undergraduate earth scientists, as well as to professional geologists requiring an overview of mineral identification in thin section.

Atlas of the Rock-Forming Minerals in Thin Section Springer Science & Business Media

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A Key for the Determination of Rock-Forming Minerals in Thin Sections (Classic Reprint) Arkose Press

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An Introduction to the Rock-forming Minerals Hassell Street Press

Excerpt from A Key for the Determination of Rock-Forming Minerals in Thin Sections Tables for the determination of minerals have heretofore been made of secondary importance in text books. In this volume the reverse method has been adopted and the descriptive tables make up the greater portion of the book. Theoretical discussions in optics have been avoided so far as possible, and only enough has been given to make clear that which is necessary for the practical determination of the minerals. The material has been condensed as much as is consistent with clearness, and all of the descriptions are given in as concise a form as possible. Owing to the difficulty of having the pages of the index indented by machinery, it was found necessary to extend the leaves to the full width of the book, and to indicate the lines along which the student should cut the pages. After trimming along the lines shown, it will be found convenient to form another index guide by cutting off about one-half inch from the upper right hand corners of

the pages descriptive of negative minerals. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

Rock-forming Minerals Wentworth Press

This is a discount Black and white version. Some images may be unclear, please see BCCampus website for the digital version. This book was born out of a 2014 meeting of earth science educators representing most of the universities and colleges in British Columbia, and nurtured by a widely shared frustration that many students are not thriving in courses because textbooks have become too expensive for them to buy. But the real inspiration comes from a fascination for the spectacular geology of western Canada and the many decades that the author spent exploring this region along with colleagues, students, family, and friends. My goal has been to provide an accessible and comprehensive guide to the important topics of geology, richly illustrated with examples from western Canada. Although this text is intended to complement a typical first-year course in physical geology, its contents could be applied to numerous other related courses.

Rock-forming Minerals; 1 Geological Society of London

Key concepts in mineralogy and petrology are explained alongside beautiful full-color illustrations, in this concisely written textbook.

Rock-Forming Minerals: Orthosilicates, Volume 1A Wentworth Press

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Rock-Forming Minerals CRC Press

V. 1. Ortho- and ring silicates.--v. 2. Chain silicates.--v. 4. Framework silicates.--v. 5. Non-silicates.

Rock-forming Minerals; 1 Wentworth Press

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A Key for the Determination of Rock-forming Minerals in Thin Sections Prentice Hall

This extensive revision deals with the minerals talc, pyrophyllite, chlorite, serpentine, stilpnomelane, zussmanite, prehnite and apophyllite. The text has been completely rewritten and very much expanded to take account of the many advances that have been made in all aspects of the Earth sciences, not least mineralogy. Each chapter is headed by a brief tabulation of mineral data and ends with full references. Crystal structures are described and illustrated, followed by discussion of structural information gained from spectroscopic as well as X-ray and electron-optic methods. Chemical sections include many analyses and structural formulae, phase relations, igneous, metamorphic and sedimentary geochemistry, alteration and weathering. Examples are given of a range of mineral parageneses. Correlation between the various aspects of mineralogy are emphasized in order to provide a scientific understanding of minerals as well as their description and identification. So great has been the expansion of research on layered silicates that a separate volume (3A, 2003) was devoted entirely to micas and another (3C), entirely for clay minerals will also be published. *Rock-Forming Minerals* is an essential reference work for professionals, researchers and postgraduate students in Earth science and related fields in chemistry, physics, engineering, environmental and soil sciences.

Rock Forming Minerals Halsted Press

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