The material listed below has been collected in 2010 by Kathryn N. Barnard and Erica A. Medley, Engineering Geology students of Prof. Scott Burns at Portland State University (USA) in the framework of a students assignment. The material has not yet been screened and commented nor approved by the C16 chair and membership

Textbooks

Stone: Building Stone, Rock Fill and Armourstone in Construction (Geological Society Engineering Geology Special Publication, 16)

M.R. Smith (author, editor)

This book is a contemporary account of the use of rock in construction. Experts in the origins, investigation, extraction, processing, use specification, decay, cleaning and repair of stone were brought together as a Working Party in 1993 with the objective of gathering information on building stones. Further references for architects, civil engineers, geologists, masons, quarry managers, structural engineers, surveyors and those who restore and maintain stone structures are included. The text has many photographs and diagrams as wells as a glossary of terms, test methods, and rock properties.

Stone Upon Stone: The Use of Stone in Irish Building

Nicholas Ryan

This book, written by an engineer, looks at a chronological sequence of stone use in Irish buildings. A complete description of over 6,000 years of the use of stone in the buildings of Ireland is contained within this book as well as the influence of the stone on the history, culture, and folklore of the country. The development of Ireland was largely based on the availability of building stones. This book gives a general overview of the use of stone through time in Ireland. The viewpoint of the mason as well as the influence of political, military, and religious establishment of each era on what was built as well as the way in which it was built. The book is illustrated with photographs.

Dressed Stone: Types of stone, Details, Examples (Detail Practice)

Theodor Hugues, Ludwig Steiger, and Johann Weber

With details and color photographs of 188 of the most important German and European and brief details of 15 selected case studies this text is tackles almost everything you need to know about planning and building with natural stone. It includes descriptions of the fundamental principles for the design and construction of facades with stone cladding panels, all the details of terminology explained in words and drawings and various surface treatments for natural stone. The authors are architects at the Technical University of

Munich and the purpose of the book was to encourage the interest in and use of stone in buildings. An overview of the various types of rock, their geologic formation, chemical composition, appearance, and relevant technical data is included in the first part and details of buildings, stone types, case studies, and an appendix of standards, bibliography, and addresses of quarries are included in the remaining five parts.

Stone in building. Its use and potential today.

John Ashurst and Francis G. Dimes

This book gives a brief survey of the properties and performances of the various types of building stones. The first part of the book deals with the geology, quarrying and processing of stone, as well as the training of stonemasons. The second part of the book deals with the repair and maintenance of stone and its specification. Written for the architect who may be a potential user of stone, the sections on repair and maintenance are of most relevance to the conservator. Although Ashurst and Dimes are the main authors there are contributions from a number of others in the stone field. -- ICCROM

The Sourcebook of Decorative Stone: An Illustrated Identification Guide

Monica T. Price

This is a reference of over 300 types of ancient and modern ornamental stones. Aimed at decorators, architects, landscape designers and masonry contractors, this provides a comprehensive guide to identification. This is also an excellent reference for historians, curators, archaeologists, engineers, jewelers, and sculptors. The book organizes information by geological type and covers appearance, provenance and availability, grain, geological description, structural features, hardness and durability, size and price, and major uses with color photographs.

Industrial Minerals & Rocks: Commodities, Markets, and Uses

Jessica Elzea Kogel (editor), Nikhil C. Trivedi (editor), James M. Barker (editor), and Stanley T. Krukowsk (editor)

This book is divided into three parts; an introduction and overview, commodities, and markets and uses. In the introduction and overview the focus is on topics relevant to the industry and chapters on transportation, marketing and due diligence on industrial minerals. The focus shifts to focus on individual industrial minerals, rocks, and materials. The last part covers how industrial minerals and rocks are used in various applications like construction, filler, and metallurgy.

The 2009-2014 World Outlook for Dimension Stone

Icon Group International, Inc.

This econometric study covers the world outlook for dimension stone across more than 200 countries. For each year reported, estimates are given for the latent demand, or potential industry earnings (P.I.E.), for the country in question (in millions of U.S. dollars), the percent share the country is of the region and of the globe. These comparative benchmarks allow the reader to quickly gauge a country compared to others. Latent demand estimates are created using econometric models which project fundamental economic dynamics within each country and across countries.

Building Stone Decay: From Diagnosis to Conservation – Special Publication no. 271 (Geological Society Special Publication)

R. Prikryl (author, editor) and B.J. Smith (editor)

The high level of atmospheric pollution that promotes aggressive stone decay processes occur in urban areas across the world where stone buildings and monuments make up the cultural center. An interdisciplinary approach from geologists, environmental scientists, chemists, material scientists, civil engineers, restorers and architects is needed to conserve these historical sites. This volume aims to strengthen the knowledge base dealing with the causes, consequences, prevention, and solution of stone decay problems.

Natural Stone – A Guide to Selection

Studio Marmo (author) and Frederick Bradley (editor)

This book is a photographic directory and reference, covering over 350 types of stone used in architecture and interior design. It is a unique resource for architects, interior designers, builders, and their clients; this guide explains the terminology, classification, and characteristics of the "dimension stone" used in interior and exterior architecture, including granite, marble, quartzite, and other stones. It provides high-quality photographs of over 350 representative samples grouped by color and type, together with a summary of the aesthetic qualities, technical properties, availability, and application of each group. A gallery of sixty additional photographs shows examples of actual projects built with natural stone.

Natural Stone, Weathering Phenomena, Conservation Strategies and Case Studies (Geological Society Special Publication No. 205)

S. Siegesmund (author, editor), A. Vollbrecht (editor) and T. Weiss (editor)

The complex interaction that occurs between building stone and the environment requires an interdisciplinary approach. This volume contains 30 chapters on weathering of natural

building stones, weathering processes, fabric dependence of physical properties, biodeterioration, quality assessment and conservation of stones, and environmental conditions. This combination of review articles and reports on recent progress in the various fields were authored by a comprehensive team of international contributors.