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# Glaciers and Glaciation, 2nd edition (Hodder Arnold Publication)

*Douglas Benn, David J A Evans*
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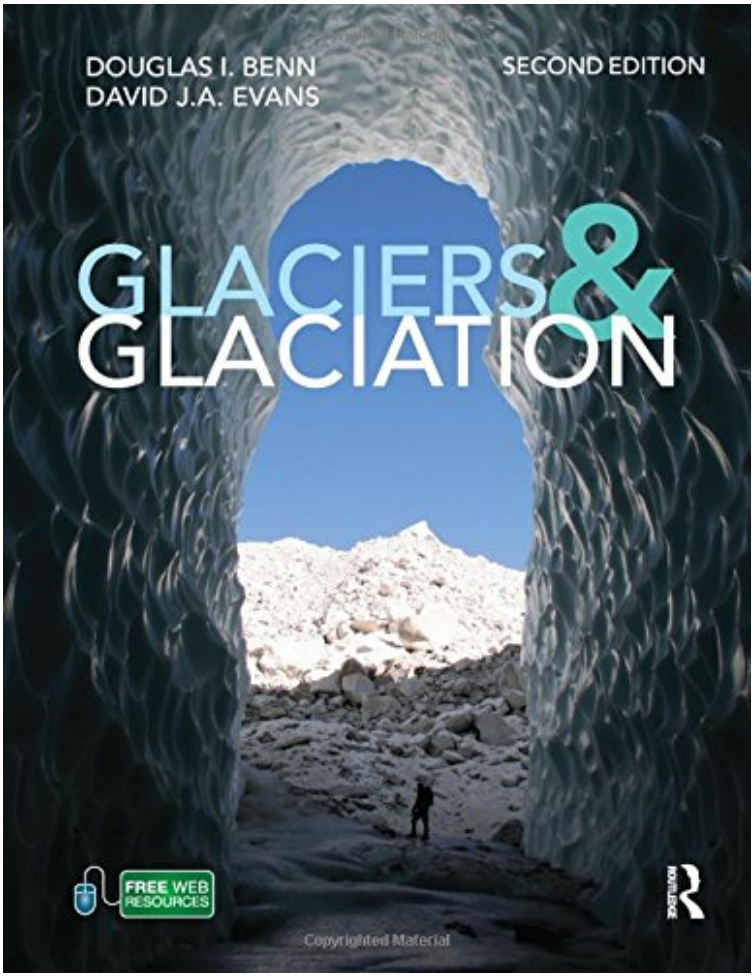


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**Douglas Benn, David J A Evans : Glaciers and Glaciation, 2nd edition (Hodder Arnold Publication)** before purchasing it in order to gage whether or not it would be worth my time, and all praised Glaciers and Glaciation, 2nd edition (Hodder Arnold Publication):

24 of 24 people found the following review helpful. Excellent Text on the Science of Glaciers and GlaciationBy Gary W. FoggGlaciers and Glaciation by Douglas Benn and David Evans is an excellent review of the current theory and underlying principles of glacier science. It is copiously illustrated with black and white photographs, line drawings, diagrams, charts, and graphs. The writing is technical, but the ideas involved are clearly and methodically presented. The organizational structure of the book is comprehensive and logical, helping the reader comprehend and absorb fundamental concepts.The book is designed for those with a serious interest in science. It would be appropriate, for example, for college students who have had an introductory course in geology and know that they wish to continue studying one of the earth sciences. It is also appropriate for professionals like myself, who are not geologists, but who

have a strong interest in the earth sciences and wish to learn more about glaciers and glaciation.The book may be accessible for people without a science background if they are willing to absorb the high rate of new vocabulary and concepts that the text presents. The first chapter on glacier systems and those in the second half of the book dealing with glacial landforms may be particularly satisfying in this regard. Even the more difficult chapters, like those on glacier motion, may be absorbing if people can visualize how the glacier slides, changes shape, and pours like a thick syrup over obstructions.I found the book to be fascinating. It took me 71 hours over a period of several months to read the entire 640 pages of text and study the many diagrams and other illustrations the book has to offer. By applying what I have learned from Benn and Evans, I have been able to interpret certain sand and gravel deposits in my area as probable subaqueous outwash fans deposited by the retreat of the last ice sheet here in Maine. This interpretation needs to be verified by others more qualified than myself, but I could not have hoped to come up with an hypothesis of this nature without the knowledge gained in reading this text.The book has abundant references, as it is in many ways a review of the current literature and thinking on the subject. It does not deal with the current debate about climate change, nor does it deal primarily with glacial history. Instead, it excels in its main purpose as a clear and quite technical discussion of the current principles and theory of glacier science as understood by glaciologists today.0 of 0 people found the following review helpful. DO NOT buy the Kindle versionBy CustomerThis is only a review about the format: Unfortunately the Kindle-version is just horrible. All the images are extremely low-res and uneasy on the eyes. Some images are completely unreadable and useless because of this. Samples of the poor quality you can expect below:0 of 0 people found the following review helpful. The Best Text on Glaciology!By A Field GeologistAs a geologist who has long had a strong interesting in Glaciology, this is the best book I have ever found on the topic.To the 3 or 4 other people who may buy this book.....lol...You will not be disappointed.

Glaciers and Glaciation is the classic textbook for all students of glaciation. Stimulating and accessible, it has established a reputation as a comprehensive and essential resource.In this new edition, the text, references and illustrations have been thoroughly updated to give today's reader an up-to-the minute overview of the nature, origin and behaviour of glaciers and the geological and geomorphological evidence for their past history on earth.The first part of the book investigates the processes involved in forming glacier ice, the nature of glacier-climate relationships, the mechanisms of glacier flow and the interactions of glaciers with other natural systems such as rivers, lakes and oceans.In the second part, the emphasis moves to landforms and sediment, the interpretation of the earth's glacial legacy and the reconstruction of glacial depositional environments and palaeoglaciology.

A masterpiece... It demonstrates what can be achieved when widespread and ambitious fieldwork is combined with extensive library work, excellent understanding, and what must have been inordinate dedication. Professor J.D. Ives for Choices (about the first edition)A modern synthesis that will be appreciated by professional scientists and graduate students both inside and outside the discipline. This book is the best of its kind, an impressive contribution to science and to education. Professor G.K.C. Clarke for the American Geophysical Union (about the first edition)"This is by far the best book on the market for a glacial geology course."Dr. Alan Kehew, Department of Geosciences, Western Michigan University (on the first edition)About the AuthorDouglas I. Benn is currently Professor of Glaciology at the University Centre in Svalbard, and has a part-time position at the University of St Andrews. His PhD was on the Younger Dryas glaciation of the Isle of Skye, Scotland (St Andrews, 1990), and he has subsequently conducted research into glacial geomorphology and sedimentology in Scandinavia, South and North America, and the Himalaya. More recently, his research has focused mainly on glaciological processes, including the mass balance of debris-covered glaciers, calving, glacier surges, and direct exploration of englacial and subglacial drainage systemsDavid J.A. Evans is a glacial geomorphologist and Quaternary scientist who gained a Geography BA at the University of Wales (Lampeter) in 1982, an MSc at Memorial University of Newfoundland, Canada in 1984 and a PhD at the University of Alberta, Canada in 1988. He has undertaken research on glaciers and glaciation in Arctic Canada, Iceland, Norway, the Canadian prairies, Svalbard, South Georgia, New Zealand, Labrador, the Himalayas, Ireland and Britain. After 14 years at the University of Glasgow he exchanged his drumlinized surroundings at Loch Lomond for the meltwater channels of upper Teesdale in the Pennines of northern England and is presently a Reader in Geography at the University of Durham.