



The Periglacial Environment

By Hugh M. French

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The Periglacial Environment, Third Edition, provides an authoritative overview of the world's cold, non-glacial environments. Emphasis is placed upon the North American and Eurasian polar lowlands, but examples are also drawn from Antarctica, the Qinghai-Xizang (Tibet) Plateau, and the northern mid-latitudes. First published in 1976 and subsequently revised in 1996, the text has been the international standard for over 30 years.

The Third Edition continues to be a personal interpretation of the frost-induced conditions, geomorphic processes, and landforms that typify periglacial environments. The text is divided into four parts. Part One discusses the periglacial concept and its interactions with geomorphology, geocryology and Quaternary science. It also outlines the range and variability of periglacial climates and the degree to which landscapes are in geomorphic equilibrium with prevailing periglacial conditions. Part Two describes present-day terrain that is either underlain by permafrost or experiencing intense frost action. The roles played by cryogenic weathering, ground ice, mass wasting, running water, wind action, snow and ice, and coastal processes are systematically analysed. Part Three summarizes evidence for the existence of periglacial conditions during the cold periods of the Pleistocene, with special reference to the mid-latitudes of Europe and North America. Part Four illustrates the geotechnical problems associated with human activity and resource development in periglacial environments, and discusses the potential impact of global climate change in the northern high latitudes.

This excellent textbook is an invaluable resource for second and third year undergraduate students of Physical Geography, Geology, Environmental Science and Earth Science. *The Periglacial Environment, Third Edition* is also an informative reading for professionals, researchers and lecturers working and teaching in the field.

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Editorial Review

Review

"... I strongly recommend this volume...and suggest it will continue to be the recommended text." (*Antarctic Science*, 2007)

From the Back Cover

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About the Author

Hugh French has taught at The University of Ottawa, Canada, in the Departments of Geography (1967-2003), Geology (1980-1992) and Earth Sciences (1998-2003). He has been Dean of the Faculty of Science at the University of Ottawa (1992-1997), President of the International Permafrost Association (1998-2003), and Editor-in-Chief of *Permafrost and Periglacial Processes* (1990-2005). He is now Professor Emeritus, University of Ottawa.

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