

CLIMATIC CHANGE AND VARIABILITY

A SOUTHERN PERSPECTIVE



EDITED BY
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Climatic Change and Variability

A Southern Perspective

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Clouds, rain and rainmaking

SECOND EDITION

B. J. MASON

This second, updated, edition of a book written by the Director-General of the Meteorology Office begins with a description of cloud forms and their significance in the pattern of weather. Later chapters discuss the conditions under which clouds start to form on nuclei and the subsequent growth of cloud droplets. Dr Mason then surveys the history of rainmaking experiments and finally discusses the physics of thunderstorms.

'The book contains something for all readers, from those just interested in meteorology to those interested in the physics of the subject who can cope with some mathematical equations.'

'An interesting and informative book which can be thoroughly recommended.'

Physics Bulletin

Tropical soils and soil survey

ANTHONY YOUNG

This is a book about tropical soils written from the point of view of the field soil scientist. The first section describes the environmental conditions and processes of formation of tropical soils. In the second section, each of the main soil types found in the tropics is discussed in turn. There follows a section on problems of soil classification and evolution. The final section covers soil fertility, soil survey and land evaluation.

Whilst primarily directed at those concerned with, or training for field studies of soils in the tropics, the book will also be useful for non-specialists, including agriculturalists, economists and planners, who wish to understand the significance of soils in agriculture and economic development.

Land use and water resources

H. C. PEREIRA

This account describes the problems arising from increasing demands made by rapidly growing human populations both on their water supplies and on the land from which these flow. It puts into perspective what is known about the effects of changes in land use on our water supplies both in the technologically advanced and in less developed countries.

'The book is strongly recommended for students of resource management, conservation, water engineering, ecology, agriculture and geography and should be read by non-technical members of authorities and governments dealing with this complex subject.'

British Book News

'With broad sweeps and comfortable generalisations the author carries the reader through forested, deforested, and reforested watershed, grassland watersheds, and cropped watersheds, making use of his own research and obvious familiarity with the literature to survey the latest work in this field.'

Environment and Planning

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