Teleconnections is a central concept in the scientific search for an improved understanding of potential linkages between weather and climate anomalies that occur over relatively large distances. The editors of this volume have brought together contributions from experts in the field, which together provide the first comprehensive review of this important subject.

The main focus of the book’s attention is on the event referred to as ENSO (El Niño–Southern Oscillation). Both the scientific basis for teleconnections and the environmental (ecological and societal) impacts of such linkages are examined. Experiments using coupled atmospheric–oceanic general circulation models, as well as empirical evidence in support of ‘observed’ connections, are discussed. The book also reviews some of the important societal impacts of previous climate anomalies allegedly connected to ENSO. The implications for science and society of forecasts of future climate anomalies, potentially made possible on the basis of teleconnections, are also addressed. The support of the United Nations Environment Programme, through the Working Group on the Societal Impacts of ENSO Events, has been invaluable in the creation of this volume.

This book will be of importance to all professional scientists and researchers in climatology and meteorology, particularly those concerned with air–sea interactions and their environmental impacts and the physical basis for and societal responses to forecasting. Graduate students in environmental science, meteorology, and climate-related impact assessments will also find the book useful.
Teleconnections linking worldwide climate anomalies

scientific basis and societal impact
Teleconnections linking worldwide climate anomalies
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Dedication

to

Jerome Namias

a pioneer in long-range weather and climate forecasting,
whose efforts helped to spark a renewed surge of interest in
air-sea interaction and climate fluctuations.
Contents

Part I: Introduction

1 Introduction
   Michael H. Glantz ........................................ 1

2 General characteristics of El Niño–Southern Oscillation
   Kevin E. Trenberth ........................................ 13

Part II: Regional case studies of teleconnections:
          physical aspects

3 Brazil’s climate anomalies and ENSO
   Pao-Shin Chu ........................................... 43

4 Australasia
   R.J. Allan ................................................ 73

5 West Africa
   Peter J. Lamb and Randy A. Peppier .................. 121

6 The Asian snow cover–monsoon–ENSO connection

7 Teleconnections in global rainfall anomalies: seasonal to inter-decadal time scales
   K.-M. Lau and P.J. Sheu ................................ 227

Part III: Scientific basis for teleconnections

8 El Niño and QBO influences on tropical cyclone activity
   William M. Gray and John D. Sheaffer .............. 257

9 The rudimentary theory of atmospheric teleconnections associated with ENSO
   Joseph J. Tribbia ........................................ 285

10 Observational aspects of ENSO cycle teleconnections
    Eugene M. Rasmusson ................................ 309

11 Forecasting El Niño with a geophysical model
    Mark A. Cane ............................................ 345

12 Use of statistical methods in the search for teleconnections: past, present, and future
    Barbara G. Brown and Richard W. Katz ............ 371
Part IV: Regional impacts of climate anomalies: environmental and societal impacts

13 Impact of ENSO events on the southeastern Pacific region with special reference to the interaction of fishing and climate variability
   Rómulo Jordán S. .................................................... 401

14 ENSO, monsoon and drought in India
   George Kiladis and Suresh K. Sinha .......................... 431

15 The shrimp fishery in the Gulf of Mexico: relation to climatic variability and global atmospheric patterns
   Marie E. White and Mary W. Downton ....................... 459

16 Teleconnections and health
   Neville Nicholls .................................................. 493

Part V: Implications for ENSO forecasts

17 Teleconnections and their implications for long-range forecasts
   Neville Nicholls and Richard W. Katz ........................ 511

Index ................................................................. 527