Conservation of the Southern Polar Region

These books are the published proceedings of a series of environmental workshops held jointly by the Scientific Committee on Antarctic Research (SCAR) and the World Conservation Union (IUCN). They summarize a wide spectrum of international expertise on a variety of environmental aspects of the Antarctic and Subantarctic region.

1. Developing the Antarctic Protected Area System. Editors R I Lewis Smith, D W H Walton & P R Dingwall Proceedings of the SCAR/IUCN Workshop on Protected Areas

Cambridge, United Kingdom, 29 June – 2 July 1992

Published 1994; x + 137 pages, illustrated; ISBN 2-8317-0218-6 Price: UK £12.50 (US \$18.25).

Progress in the Conservation of the Subantarctic Islands. Editor P R Dingwall
 Proceedings of the SCAR/IUCN Workshop on Protection, Research and Management of Subantarctic Islands

Paimpont, France, 27-29 April 1992

Published 1995; xvi + 225 pages, illustrated; ISBN 2-8317-0257-7 Price: UK £18.75 (US \$25.00).

3. Opportunities for Antarctic Environmental Education and Training. Editors P R Dingwall & D W H Walton Proceedings of the SCAR/IUCN Workshop on Environmental Education and Training Gorizia, Italy, 26–29 April 1993

Published 1996; xvii + 174 pages, illustrated; ISBN 2-8317-0297-6

Price: UK £15.00 (US \$22.50).

Copies are available by post from the publisher at the address below.

Postage and packing are additional to the price as follows: United Kingdom addresses add 15%; Surface mail worldwide add 20%; Air mail to Europe add 30%; Air mail outside Europe add 40%.

IUCN Publications Services Unit, 219c Huntingdon Road, Cambridge CB3 0DL, United Kingdom

Tel: +44 1223 277894;

Fax: +44 1223 277175

E-mail: iucn-psu@wcmc.org.uk

CAMBRIDGE

The Biology of the Southern Ocean

GEORGE A. KNOX

The first comprehensive, single-author synthesis of the current state of knowledge of the biota of one of the world's most important oceans. Following a description of the physico-chemical environment, the plants, microbes, animals and habitats of the Southern Ocean are considered in a logical sequence.

'a magnum opus that draws together a vast amount of useful data in a single, easily read volume, and offers interesting and informed comment.'

Polar Record

£95.00 net HB 0 521 32211 1 444 pp. 1994 Studies in Polar Research

Southern Ocean Ecology

the BIOMASS Perspective SAYED Z. EL-SAYED

A collection of authoritatively written articles which summarise and review the findings of the first long-term international research programme into the ecology of the Southern Ocean.

'I recommend this book as a useful guide to anyone wanting an introduction to the ecology of the southern oceans.'

Tony Andrew, *The Times Higher Education Supplement* £50.00 net HB 0 521 44332 6 300 pp. 1993

Skua and Penguin

Predator and Prey EUAN YOUNG

A detailed study of the feeding ecology and breeding biology of two associated Antarctic birds which provides evidence that the two species occur together as a consequence of limited breeding space rather than because of a distinct predator-prey relationship.

£69.95 net HB 0 521 32251 0 380 pp. 1994

Antarctic Seals

Research Methods and Techniques R. M. LAWS

A comprehensive and detailed account of well-tried and, where possible, agreed methods for the study of Antarctic seals which will be of interest to all those studying seals anywhere in the world and also to those carrying out research on other large mammal species.

£55.00 net HB 0 521 44302 4 416 pp. 1993

Cambridge books are available from good bookshops, alternatively phone UK + 44 (0)1223 325970 to order direct using your credit card, or fax UK + 44 (0)1223 325959. For further information, please email Giulia Williams on science@cup.cam.ac.uk or browse our Worldwide Web server http://www.cup.cam.ac.uk



The Edinburgh Building, Cambridge CB2 2RU

Copying

Polar Record is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA that are also registered with the CCC may copy material (beyond limits permitted by sections 107 and 108 of US copyright law) subject to payment to CCC of the per copy fee of \$11.00. This consent does not extend to multiple copies for promotional or commercial purposes. Code 0032-2474/96. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions. For all other use, permission should be sought from the Cambridge or the American Branch of Cambridge University Press (addresses below).

Back issues

For vols 1–23 inclusive apply to Bluntisham Books, Oak House, East Street, Bluntisham, Huntingdon PE17 3LS, UK. For vols 24 onward apply to Cambridge University Press, UK or USA.

Advertising

For details apply to the Editor or to the publishers.

CAMBRIDGE UNIVERSITY PRESS

Published by the Press Syndicate of the University of Cambridge
The Pitt Building, Trumpington Street, Cambridge CB2 1RP, UK
40 West 20th Street, New York, NY 10011-4211, USA
10 Stamford Road, Oakleigh, Melbourne 3166, Australia
Printed in Great Britain at the University Press, Cambridge.

POLAR RECORD

VOLUME 32 NUMBER 181 APRIL 1996

CONTENTS

HISTORICAL RETROSPECTIVE

Antarctica sixty years ago: a re-appraisal of the British Graham Land Expedition 1934-1937. Colin Bertram p 98

Preface p 98

Supplementary preface p 99 Acknowledgements p 100 Chapter 1: Introduction p 101

Chapter 2: The story of the British Graham Land Expedition, 1934-37 p 104

Chapter 3: General p 113
Chapter 4: RY Penola p 123
Chapter 5: Research p 132
Chapter 6: Sledging p 137
Chapter 7: Social p 146
Chapter 8: Memories p 157

Appendix I: Summary bibliography of BGLE 1934–1937 p 164 Appendix II: The Pinnipedia: the seals themselves p 165

Appendix III: The subsequent careers of the members of BGLE 1934-1937 p 166

SCAR BULLETIN No 121

Decisions, Measures, and Resolutions adopted at the XIXth Antarctic Treaty Consultative Meeting, Seoul, Korea, 8–19 May 1995 p 184





0032-2474(199604)32:2:1-0