

# BRITISH ANTARCTIC SURVEY

## BULLETIN

*No. 54*  
*September 1981*



CAMBRIDGE: PUBLISHED BY THE BRITISH ANTARCTIC SURVEY  
NATURAL ENVIRONMENT RESEARCH COUNCIL

BRITISH ANTARCTIC SURVEY

*Director*

DR R. M. LAWS, FRS

*Deputy Director*

DR R. J. ADIE

*Editors*

DR R. J. ADIE    DR D. J. LARNER    MISS E. TODD

*Atmospheric Sciences Division:*

DR M. J. RYCROFT

*Earth Sciences Division:*

DR C. W. M. SWITHINBANK

*Life Sciences Division:*

MR W. N. BONNER

The authors of all signed papers are alone responsible for opinions expressed in them. Only papers concerned with the work of the Survey can be published in the *Bulletin*, but the Editors are prepared to consider publication of correspondence on papers appearing in the *Bulletin* or on related topics.

Copyright © 1981

by

British Antarctic Survey  
High Cross, Madingley Road  
CAMBRIDGE CB3 0ET  
ISBN 0 85665 090 0  
ISSN 0007-0262

# BRITISH ANTARCTIC SURVEY

## BULLETIN

No. 54 September 1981

### CONTENTS

	PAGE
Cephalopod remains in regurgitations of black-browed and grey-headed albatrosses at South Georgia. M. R. CLARKE and P. A. PRINCE . . . . .	1
Cephalopod remains in regurgitations of the wandering albatross <i>Diomedea exulans</i> L. at South Georgia. M. R. CLARKE, J. P. CROXALL and P. A. PRINCE . . . . .	9
Notes on parasite infestation of inshore fish at Signy Island, South Orkney Islands. J. N. HOOGESTEGER and M. G. WHITE . . . . .	23
The Signy Island terrestrial reference sites: XIII. Population dynamics of the nematode fauna. J. R. CALDWELL . . . . .	33
Increases in penguin populations at Signy Island, South Orkney Islands. J. P. CROXALL, D. M. ROOTES and R. A. PRICE . . . . .	47
Fossil wood from South Georgia. T. H. JEFFERSON and D. I. M. MACDONALD . . . . .	57
Late Mesozoic stratigraphy and invertebrate palaeontology of the South Orkney Islands. M. R. A. THOMSON . . . . .	65
Freshwater biology in the Antarctic: I. Microbial numbers and activity in oligotrophic Moss Lake, Signy Island. J. C. ELLIS-EVANS . . . . .	85
Freshwater biology in the Antarctic: II. Microbial numbers and activity in nutrient-enriched Heywood Lake, Signy Island. J. C. ELLIS-EVANS . . . . .	105
The distribution of mean annual temperatures in the Antarctic Peninsula. J. M. REYNOLDS . . . . .	123
Short notes: A new sighting of southern right whale dolphins, <i>Lissodelphis peronii</i> , in the south-west Atlantic. R. M. LAWS and G. K. NIEUWENHUIJS; Seal surveys, South Orkney Islands, 1971 and 1974. R. M. LAWS; An absolute gravity base at Siple II Station, Antarctica. R. G. B. RENNER; A gravity tie between the Antarctic Peninsula network and McMurdo Station. R. G. B. RENNER . . . . .	135
Erratum . . . . .	146