

BRITISH ANTARCTIC SURVEY

BULLETIN

No. 25
September 1971



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

PRICE £1.00 NET

BRITISH ANTARCTIC SURVEY

Director

SIR VIVIAN FUCHS

Editors

DR. R. J. ADIE

MISS E. TODD

- Earth Sciences:* DR. R. J. ADIE, British Antarctic Survey, Department of Geology, University of Birmingham, Birmingham 15
- Geophysics:* MR. J. C. FARMAN, British Antarctic Survey, Department of Natural Philosophy, University of Edinburgh, Edinburgh 8
- Zoology:* DR. R. M. LAWS, British Antarctic Survey Zoology Section, Monks Wood Experimental Station, Abbots Ripton, Huntingdonshire
- Glaciology:* DR. C. W. M. SWITHINBANK, Scott Polar Research Institute, Lensfield Road, Cambridge
- Botany:* DR. S. W. GREENE, British Antarctic Survey Botany Section, Department of Botany, University of Birmingham, Birmingham 15

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 © 1971

by

British Antarctic Survey

30 Gillingham Street

LONDON, S.W.1

BRITISH ANTARCTIC SURVEY

BULLETIN

No. 25 September 1971

CONTENTS

	PAGE
Growth form and water relations of mosses in the maritime Antarctic. C. H. GIMINGHAM and R. I. L. SMITH	1
Isotope composition of strontium in Mesozoic basalt and dolerite from Dronning Maud Land. G. FAURE and D. H. ELLIOT	23
The South Georgian species of <i>Acaena</i> and their probable hybrid. D. W. H. WALTON and S. W. GREENE	29
Gastropoda from the Lower Cretaceous sediments of south-eastern Alexander Island. M. R. A. THOMSON	45
Vegetation of the South Shetland Islands. D. C. LINDSAY	59
Inarticulate Brachiopoda from the Lower Cretaceous of south-eastern Alexander Island. M. R. A. THOMSON	85
Lichens from the Theron Mountains. D. C. LINDSAY and D. BROOK	95
Short note: Notes on Antarctic lichens: IV. Lichens from Tottanfjella, Dronning Maud Land. D. C. LINDSAY	99

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