

BRITISH ANTARCTIC SURVEY

BULLETIN

No. 43

November 1976



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

BRITISH ANTARCTIC SURVEY

Director

DR. R. M. LAWS

Deputy Director

DR. R. J. ADIE

Editors

DR. R. J. ADIE MISS E. TODD

Atmospheric Sciences Division:

MR. W. R. PIGGOTT

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 © 1976

by

British Antarctic Survey

Madingley Road

CAMBRIDGE CB3 0ET

ISBN 0 85665 051 X

BRITISH ANTARCTIC SURVEY

BULLETIN

No. 43 November 1976

CONTENTS

	PAGE
Snow accumulation, conductance and temperature inland from Halley Bay. D. A. PEEL	1
Riometer studies at South Georgia. R. I. KRESSMAN	15
Classification of cryptogamic communities in the maritime Antarctic. R. I. L. SMITH and C. H. GIMINGHAM	25
Geochronology in relation to the stratigraphy of the Antarctic Peninsula. D. C. REX	49
An aeromagnetic survey over southern Graham Land: a preliminary report. R. G. B. RENNER	59
Palynological studies in South Georgia: I. Pollen and spore morphology of the native vascular species. C. J. BARROW	63
An unusual drainage system in an Antarctic valley. J. J. LIGHT	77
The development of moss-peat banks in relation to changing climate and ice cover on Signy Island in the maritime Antarctic. N. J. COLLINS	85
Pseudo-vivipary in Fuegian and Falkland Islands grasses. D. M. MOORE and M. C. DOGGETT	103
Some observations on krill (<i>Euphausia superba</i> Dana) maintained alive in the laboratory. A. CLARKE	111
<i>British Antarctic Survey Data</i>	119

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