

BRITISH ANTARCTIC SURVEY

BULLETIN

No. 48

June 1979



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:

DR. 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 © 1979

by

British Antarctic Survey

Madingley Road

CAMBRIDGE CB3 0ET

ISBN 0 85665 066 8

BRITISH ANTARCTIC SURVEY

BULLETIN

No. 48 June 1979

CONTENTS

	PAGE
Studies on <i>Acaena</i> (Rosaceae): III. Flowering and hybridization on South Georgia. D. W. H. WALTON	1
Lower Cretaceous Brachiopoda from south-eastern Alexander Island. M. R. A. THOMSON and E. F. OWEN	15
Feeding studies on the collembolan <i>Cryptopygus antarcticus</i> Willem at Signy Island, South Orkney Islands. P. A. BROADY	37
A preliminary survey of the terrestrial algae of the Antarctic Peninsula and South Georgia. P. A. BROADY	47
The Signy Island terrestrial reference sites: XI. Population studies on the Acari. D. G. GODDARD	71
Psychological studies in the Antarctic. C. DE MONCHAUX, A. DAVIS and O. G. EDHOLM	93
Wind dispersal of terrestrial algae at Signy Island, South Orkney Islands. P. A. BROADY	99
Current status of birds at South Georgia. P. A. PRINCE and M. R. PAYNE	103
A taxonomic assessment of <i>Brachythecium</i> on South Georgia. M. E. NEWTON	119
A synoptic flora of South Georgian mosses: VIII. <i>Calliergon</i> and <i>Brachythecium</i> . M. E. NEWTON	133