## ANTARCTIC Science

Volume 23

Number 2

2011

## CONTENTS

Guest Editorial	105	Short Note: The first appearance and establishment of an alien vascular plant in natural habitats on the	
BIOLOGICAL SCIENCES		forefield of a retreating glacier in Antarctica	
Gut contents and stable isotope analyses of the Antarctic fish, <i>Notothenia coriiceps</i> (Richardson), from two		Maria Olech & Katarzyna J. Chwedorzewska	153
macroalgal communities		EARTH SCIENCES	
JILL P. ZAMZOW, CRAIG F. AUMACK, CHARLES D. AMSLER, JAMES B. MCCLINTOCK, MARGARET O. AMSLER & BILL J. BAKER	107	Marion Island volcanism and glaciation KEVIN HALL, IAN MEIKLEJOHN & ADAM BUMBY	155
Larger foraging range but similar habitat selection in non-breeding versus breeding sub-Antarctic penguins JEAN-BAPTISTE THIEBOT, AMÉLIE LESCROËL, DAVID PINAUD, PHILIP N. TRATHAN & CHARLES-ANDRÉ BOST	117	Mineralogy of glaciomarine sediments from the Prydz Bay–Kerguelen region: relation to modern depositional environments	155
The impact of sediment deposition and iceberg scour on the Antarctic soft shell clam <i>Laternula elliptica</i> at King		Andreas Borchers, Ines Voigt, Gerhard Kuhn & Bernhard Diekmann	164
George Island, Antarctica Eva E.R. Philipp, Gunnar Husmann & Doris Abele	127	Reworked late Neogene <i>Austrochlamys anderssoni</i> (Mollusca: Bivalvia) from northern James Ross Island,	
Occurrence of killer whales ( <i>Orcinus orca</i> ) and other cetaceans in Terra Nova Bay, Ross Sea, Antarctica GIANCARLO LAURIANO, CATERINA MARIA FORTUNA		Antarctica D. Pirrie, H.A. Jonkers, J.L. Smellie, J.A. Crame & J.M. McArthur	180
& MARINO VACCHI	139	Plant assemblages from the Shafer Peak Formation	
Polynoid polychaetes living in the gut of irregular sea urchins: a first case of inquilinism in the Southern Ocean		(Lower Jurassic), north Victoria Land, Transantarctic Mountains	
STEFANO SCHIAPARELLI, MARIA CHIARA ALVARO & Ruth Barnich	144	BENJAMIN BOMFLEUR, CHRISTIAN POTT & Hans Kerp	188

Antarctic Science is abstracted in Current Contents, SciSearch, Research Alert, Geo Abstracts, Current Awareness in Biological Sciences, Mineralogical Abstracts, Meteorological & Geo-astrophysical Abstracts, Current Antarctic Literature, GeoArchive, GeoRef, Biosis, Oceanographic Literature, Environmental Periodicals Bibliography and Polar & Glaciological Abstracts

Cambridge Journals Online For further information about this journal please go to the journal website at: journals.cambridge.org/ans



 Mixed Sources
Product group from well-managed forests and other controlled sources
www.fsc.org Cert no. SA-COC-1527
9956 Forest Stewardship Council



## continued from inside frontcover

**Copying.** This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are also registered with CCC may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to CCC of the per copy fee of \$16.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0954-1020/2011 \$16.00. ISI Tear Sheet Service, 3501 Market Street, Philadelphia, PA 19104, USA, is authorized to supply single copies of separate articles for private use only.

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 Cambridge University Press.

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, notfor-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

Printed in the UK by Cambridge University Press.