

ANTARCTIC science

Volume 22 Number 3 2010

CONTENTS

Editorial	209	Morphologic and molecular diversity of the foraminiferal genus <i>Globocassidulina</i> in Admiralty Bay, King George Island WOJCIECH MAJEWSKI & JAN PAWLOWSKI	271
REVIEW		Short Note: Polychlorinated biphenyl congeners in Antarctic biota from the Barton Peninsula, King George Island JEONG-HOON KIM, HYOUN SOO LIM, IN-YOUNG AHN, SANG-HWAN LEE, MINKYUN KIM & HYUN PARK	283
Oceanographic observations of eddies impacting the Prince Edward Islands, South Africa JONATHAN V. DURGADO, ISABELLE J. ANSORGE & JOHANN R.E. LUTJEHARMS	211	Short Note: Southerly breeding in gentoo penguins for the eastern Antarctic Peninsula: further evidence for unprecedented climate-change JAMES B. MCCLINTOCK, PATRICIA SILVA-RODRIGUEZ & WILLIAM R. FRASER	285
BIOLOGICAL SCIENCES		Short Note: Liquid water formation around rocks and meteorites on Antarctic Polar Plateau ice CHRISTOPHER P. MCKAY	287
Spatial distribution, habitat preference and colonization status of two alien terrestrial invertebrate species in Antarctica KEVIN A. HUGHES & M. ROGER WORLAND	221	EARTH SCIENCES	
Collembola fauna of the South Shetland Islands revisited PENELOPE GREENSLADE	233	First articulated skeleton of <i>Palaeudyptes gunnari</i> from the late Eocene of Isla Marambio (Seymour Island), Antarctica CAROLINA ACOSTA HOSPITALECHE & MARCELO REGUERO	289
Influence of environmental conditions on spatial distribution and abundance of early life stages of Antarctic silverfish, <i>Pleuragramma antarcticum</i> (Nototheniidae), in the Ross Sea MARIO LA MESA, BARBARA CATALANO, ANIELLO RUSSO, SILVIO GRECO, MARINO VACCHI & MASSIMO AZZALI	243	Assessing the potential of multispectral remote sensing for lithological mapping on the Antarctic Peninsula: case study from eastern Adelaide Island, Graham Land C.E. HASELWIMMER, T.R. RILEY & J.G. LIU	299
Glacier retreat on South Georgia and implications for the spread of rats A.J. COOK, S. PONCET, A.P.R. COOPER, D.J. HERBERT & D. CHRISTIE	255	PHYSICAL SCIENCE	
Apparent absence of <i>Cryptosporidium</i> , <i>Giardia</i> and <i>Toxoplasma gondii</i> in three species of penguins along the Antarctic Peninsula MARIA JOSÉ PALACIOS, ANDRÉS BARBOSA, SUSANA PEDRAZA-DÍAZ, LUIS MIGUEL ORTEGA-MORA, FRANCISCO VALERA, JOSÉ JAVIER CUERVO, JESÚS BENZAL & CARLOS DE LA CRUZ	265	Upper ocean layer dynamics and response to atmospheric forcing in the Terra Nova Bay polynya, Antarctica ANDREA CAPPELLETTI, PAOLA PICCO & TIZIANA PELUSO	319
		Book Reviews	331

Antarctic Science is abstracted in *Current Contents*, *SciSearch*, *Research Alert*, *Geo Abstracts*, *Current Awareness in Biological Sciences*, *Mineralogical Abstracts*, *Meteorological & Geo-astronomical 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
© 1996 Forest Stewardship Council

CAMBRIDGE
UNIVERSITY PRESS

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 0954-1020/2010 \$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, not-for-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.