ANTARCTIC Science

Volume 22 Number 4 2010

CONTENTS

Editorial REVIEW	333	Climate change and the Antarctic marine ecosystem: an essay on management implications P.N. Trathan & D. Agnew	387
Future directions in Antarctic psychology research KIMBERLEY NORRIS, DOUGLAS PATON & JEFF AYTON BIOLOGICAL SCIENCES	335	'Hitchhiker' polynoid polychaetes in cold deep waters and their potential influence on benthic soft bottom food webs Stefano Schiaparelli, Maria Chiara Alvaro, Jehns Bohn & Giancarlo Albertelli	399
Recent benthic foraminiferal distribution and related		EARTH SCIENCES	
environmental factors in Ezcurra Inlet, King George Island, Antarctica André Rosch Rodrigues, João Carlos Cattini Maluf, Elisabete de Santis Braga & Beatriz Beck Eichler	343	Soil preservation and ventifact recycling from dry-based glaciers in Antarctica JAMES G. BOCKHEIM	409
Water masses' bacterial community structure and microbial activities in the Ross Sea, Antarctica Mauro Celussi, Andrea Bergamasco, Bruno Cataletto, Serena Fonda Umani & Paola Del Negro	361	A dynamic physical model for soil temperature and water in Taylor Valley, Antarctica H.W. Hunt, A.G. Fountain, P.T. Doran & H. Basagic	419
Physical controls on deep water coral communities on the		PHYSICAL SCIENCES	
George V Land slope, East Antarctica Alexandra L. Post, Philip E. O'Brien, Robin J. Beaman, Martin J. Riddle & Laura De Santis	371	Glaciochemistry of surface snow from the Ingrid Christensen Coast, East Antarctica, and its environmental implications M. THAMBAN, C.M. LALURAJ, K. MAHALINGANATHAN,	
Aphids and associated natural enemies on Ile Amsterdam and Ile Saint-Paul, Southern Indian Ocean Maurice Hullé, Evelyne Turpeau, Sylvie Hudaverdian, Bernard Chaubet, Yannick Outreman & Marc Lebouvier	379	B.L. REDKAR, S.S. NAIK & P.K. SHRIVASTAVA Near surface climate of the traverse route from Zhongshan Station to Dome A, East Antarctica YONGFENG MA, LINGEN BIAN, CUNDE XIAO, IAN ALLISON & XIUII ZHOU	435
WITH ELDOCVIER	317	THE TELESON & THOSE ZHOU	173

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





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.