

ISSN 0814-0626

Volume 35 | Issue 3 | November 2019

Australian Journal of Environmental Education

Editors: Amy Cutter-Mackenzie-Knowles and Karen Malone



CAMBRIDGE
UNIVERSITY PRESS

The *Australian Journal of Environmental Education* is an international refereed journal that publishes papers and reports on all aspects of environmental education. It is the journal of the Australian Association for Environmental Education. It is produced in order to present information and argument that will stimulate debate about educational strategies that enhance the kinds of awareness, understanding and actions that promote environmental and social justice. The journal is addressed to educators working in any educational setting where these matters are centrally or peripherally considered.

EDITORS-IN-CHIEF

Professor Amy Cutter-Mackenzie-Knowles
Southern Cross University, Australia

Professor Karen Malone
Swinburne University of Technology, Australia

ASSOCIATE EDITOR

Dr Chris Eames
University of Waikato, New Zealand

Dr Peta White
Deakin University

THESIS ABSTRACTS EDITOR

Dr Sue Elliott
University of New England, Australia

BOOK REVIEW EDITOR

Dr Blanche Verlie
RMIT, Australia

INTERNATIONAL BOARD OF ADVISORY

EDITORS

A/Professor Marcia McKenzie
University of Saskatchewan, Canada

Associate Professor Keith Skamp
Southern Cross University

Professor Julian Agyeman
Tufts University, USA

Mrs Elisabeth Barratt Hacking
University of Bath, United Kingdom

Professor Robert Barratt
University of Gloucestershire, United Kingdom

Dr Kiran Chhokar
Centre for Environment Education, India

Professor Justin Dillon
King's College London, United Kingdom

A/Professor Jo-Anne Ferreira,
Southern Cross University, Australia
(Immediate Past Editor of *AJEE*)

Professor Annette Gough,
RMIT University, Australia

Professor Paul Hart
University of Regina, Canada

Professor Joe Heimlich
Ohio State University, USA

Professor Heila Lotz-Sisitka
Rhodes University, South Africa

A/Professor Constance Russell,
Lakehead University, Canada

Professor William Scott
University of Bath, United Kingdom

Professor David Selby
Mount St Vincent University, Canada

Professor David Sobel
Antioch College, Keene, USA

Professor Bob Stevenson
James Cook University, Australia

A/Professor Hilary Whitehouse
James Cook University, Australia

A/Professor Sandra Wooltorton
University of Notre Dame, Australia

SUBSCRIPTION RATES 2019

This journal is published triannually.

The institutional rates (excluding VAT) are:

	Print and online	Electronic Only
Australia	370 AUD	348 AUD
N America	283 USD	268 USD
UK and ROW	179 GBP	167 GBP

EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Prices include delivery by air when appropriate. Japanese prices for institutions are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan.

Orders and subscription enquiries should be addressed to:

Cambridge University Press, Journals Fulfillment Department, UPH, Shaftesbury Road, Cambridge CB2 8BS, UK

Email: journals@cambridge.org

Orders from N America should be addressed to:

Cambridge University Press, 1 Liberty Plaza, New York, NY 10006, USA

Email: subscriptions_newyork@cambridge.org

The *Australian Journal of Environmental Education* and all other Cambridge Journals can be found at journals.cambridge.org/

Published by Cambridge University Press. All rights reserved. No part of this publication may be reproduced in any form or by any means, electronic, photocopying or otherwise, without permission in writing from Cambridge University Press.

Permission to copy (for users in the USA) is available from Copyright Clearance Center, www.copyright.com, email: info@copyright.com.

Photo credit: Karen Malone Caption: Witnessing the Anthropocene, La Paz Bolivia.

The Nautilus

The Association logo is the nautilus. It is used by the Association to symbolise the “wisdom of the planet”, from which environmental educators draw inspiration and direction.

Australian Journal of Environmental Education

Volume 35(3) 2019

Contents

EDITORIAL

- Environmental education and philosophy in the Anthropocene
David R. Cole and Karen Malone 157

ARTICLES

- Transcendental Monsters, Animism and the Critique of Hyperobjects
Joff P.N. Bradley..... 163
- The Designation of a Deleuzian Philosophy for Environmental Education and Its Consequences ...
David R. Cole 173
- Red Biocentrism for the Anthropocene
Simon Boxley..... 183
- The Ethical and Ecological Limits of Sustainability: A Decolonial Approach to Climate Change in Higher Education
Sharon Stein 198
- Hyperobjects, Media, and Assemblages of Collective Living: Playing With Ontology as Environmental Education
Jesse Bazzul..... 213
- Water as method: Explorations of locally situated environmental issues together with preschool children
Teresa Elkin Postila 222
- The application of critical realism as a basis for agency in environmental education: The case of Roy Bhaskar
Mehri Mirzaei Rafe, Khosrow Bagheri Noaparast, Afzal Sadat Hosseini and Narges Sajadieh 230
- Reflecting on place: environmental education as decolonisation
Simone Thornton, Mary Graham and Gilbert Burgh 239
- Thinking differently: An education for the Anthropocene from Uttarakhand, India
Susan Germein and Neema Vaishnava..... 250
- ‘Attuning-with’, affect, and assemblages of relations in a transdisciplinary environmental education
Kathryn Riley and Peta White..... 262