

# Canadian Journal of Environmental Education

Volume 16, 2011

The *Canadian Journal of Environmental Education* is a refereed journal published once a year. It seeks to further the study and practice of environmental education by providing a thoughtful forum for researchers, scholars, practitioners, and post-secondary students. The publication and distribution of articles and reviews should contribute to Canadian thought and practice in environmental education and/or issues and practices of international importance to this field of study.

The views expressed in this journal are not necessarily those of the journal's editors, advisory editors, or supporters. The *Canadian Journal of Environmental Education* publishes material that may represent divergent ideas, judgments, and opinions.

The production of *Volume 16* has been made possible through the generous support of the Canadian Network for Environmental Education and Communication (EECOM) and Lakehead University.

**Lakehead**  
UNIVERSITY

Cover Photos: Photo of pelicans in flight ©Helle Møller and Paul Berger. This photo was taken where the Wolf River enters Lake Superior. Helle and Paul both teach at Lakehead University and enjoy spending time on Lake Superior.

All other photos ©Steve Romanin. These photos were taken at the Watkins Glen, New York Farm Sanctuary. Steve Romanin is a graduate student in the Masters of Arts in Critical Sociology program at Brock University. He is currently studying under the supervision of Critical Animal Studies' forerunner Dr. John Sorenson. His research examines meat-eating and masculinity, focusing specifically on the performance of masculinity by vegetarian men. He is former co-host and producer of the University of Toronto's animal rights radio show, Animal Voices.

Totuuyen Nguyen is featured in the bottom picture on the cover. This photo is printed with her permission.

Printed in Canada with 100 % post-consumer recycled paper.

**Copyright © Canadian Journal of Environmental Education**

ISSN 1205-5352

Editor

*Constance Russell*, Lakehead University, Ontario  
Inquiries: [cjee@lakeheadu.ca](mailto:cjee@lakeheadu.ca)

Guest Editor

*Jan Oakley*, Lakehead University, Ontario

Associate Editor

*Lisa Korteweg*, Lakehead University, Ontario

Editorial Assistants

*Rusty Brown, Erin Cameron, Gail Kuhl, Blair Niblett*, Lakehead University, Ontario

Book Review Editors

*Traci Warkentin & Gavan Watson*  
Inquiries: [cjeebook@lakeheadu.ca](mailto:cjeebook@lakeheadu.ca)

Editor Emeritus

*Bob Jickling*, Lakehead University, Ontario

Advisory Editors

*Anne Bell*, Ontario Nature, Ontario  
*Sean Blenkinsop*, Simon Fraser University, British Columbia  
*Andrew Brookes*, La Trobe University, Australia  
*Anne Camozzi*, Corvid Inc., Nova Scotia  
*Darlene Clover*, University of Victoria, British Columbia  
*Peter Cole*, University of British Columbia, British Columbia  
*Pamela Courtenay-Hall*, University of Prince Edward Island, PEI  
*Justin Dillon*, King's College London, United Kingdom  
*Janet Dymont*, University of Tasmania, Australia  
*Victor Elderton*, North Vancouver Outdoor School, British Columbia  
*Leesa Fawcett*, York University, Ontario  
*Grant Gardner*, Memorial University, Newfoundland  
*Édgar González-Gaudiano*, Universidad Veracruzana, Mexico  
*Annette Gough*, RMIT University, Australia  
*David Greenwood*, Lakehead University, Ontario  
*Budd Hall*, University of Victoria, British Columbia  
*Randy Haluza-Delay*, King's University College, Alberta  
*Paul Hart*, University of Regina, Saskatchewan  
*David Hutchison*, Brock University, Ontario  
*Richard Kahn*, Antioch University, United States  
*David Kirby*, University of Manitoba, Manitoba  
*Richard Kool*, Royal Roads University, British Columbia  
*Regula Kyburz-Graber*, University of Zurich, Switzerland  
*John Chi-Kin Lee*, Hong Kong Institute of Education, Hong Kong  
*Henry Lickers*, Mohawk Council of Akwesasne, Ontario  
*Heila Lotz-Sisitka*, Rhodes University, South Africa  
*Greg Lowan*, University of Calgary, Alberta  
*Milton McClaren*, Simon Fraser University, British Columbia  
*Marcia McKenzie*, University of Saskatchewan, Saskatchewan  
*Pat O'Riley*, University of British Columbia, British Columbia  
*Christopher Reddy*, Stellenbosch University, South Africa  
*Alan Reid*, University of Bath, United Kingdom  
*Ian Robottom*, Deakin University, Australia  
*Lucie Sauvé*, Université du Québec à Montréal, Québec  
*Bonnie Shapiro*, University of Calgary, Alberta  
*Joe Sheridan*, York University, Ontario  
*Scott Slocombe*, Sir Wilfrid Laurier University, Ontario  
*Robert Stevenson*, James Cook University, Australia  
*Arjen Wals*, Wageningen University, The Netherlands  
*Dilafruz Williams*, Portland State University, United States  
*Sandra Wolf*, Lakehead University, Ontario

# Contents

|   |     |
|---|-----|
| A Farewell Letter to Readers<br><i>Bob Jickling</i>   | 5   |
| Guest Editorial: Animality and Environmental Education: Toward an Interspecies Paradigm<br><i>Jan Oakley</i>  | 8   |
| <i>Articles</i>   |     |
| Counting Affects: Mo(ve)ments of Intensity in Critical Avian Education<br><i>Helena Pedersen</i>  | 14  |
| Impossible Subjects: The Figure of the Animal in Paulo Freire's <i>Pedagogy of the Oppressed</i><br><i>Lauren Corman</i>  | 29  |
| What Weston's Spider and My Shorebirds Might Mean for Bateson's Mind: Some Educational Wanderings in Interspecies Curricula<br><i>Ramsey Affifi</i>   | 46  |
| Too Many Monkeys Jumping in Their Heads: Animal Lessons within Young Children's Media<br><i>Nora Timmerman &amp; Julia Ostertag</i>   | 59  |
| What Tashi Taught Me: "Petagogy" and the Education of Emotions<br><i>Seonaigh MacPherson</i>  | 76  |
| The Interface of Environmental and Humane Education as an Emerging and Relevant Dialogue: A Point of View from Brazil<br><i>Maria Castellano, Andréa Quirino de Luca, &amp; Marcos Sorrentino</i> | 93  |
| Representing Animal-Others in Educational Research<br><i>Gail Kuhl</i>  | 106 |

|   |     |
|---|-----|
| Doing Animist Research in Academia: A Methodological Framework<br><i>M.J. Barrett</i>   | 123 |
| Éduquer les élèves à la prise de décision en environnement :<br>Théorie et perspectives pédagogiques<br><i>Anouk Utzschneider &amp; Diane Pruneau</i>   | 142 |
| Les compétences en adaptation aux changements climatiques<br>démonstrées par des employés municipaux d'une communauté<br>côtière canadienne<br><i>Jackie Kerry, Diane Pruneau, Sylvie Blain, Evgueni Vichnevetski,<br/>Paul Deguire, Pierre-Yves Barbier, Viktor Freiman, Jimmy Therrien,<br/>Mathieu Lang, &amp; Joanne Langis</i> | 155 |
| <i>Reviews</i>  | 173 |
| <i>Reviewers</i>  | 195 |
| <i>Guidelines for Contributors</i>  | 196 |

## A farewell letter to readers

by Bob Jickling, founding editor of the *Canadian Journal of Environmental Education*

Dear friends,

I am writing now, as the time has come for me to step down from the editorship of the *Canadian Journal of Environmental Education*.

The Journal was born in 1996 as a response to the state of environmental education research at that time. Our mission was to broaden the scope of legitimate research in our field. And, I think we have done that with quality, creativity, and a good deal of panache. After founding *CJEE*, and continuing to serve as editor for the last 15 years, it is difficult to step down. However, now the time does feel right.

The *Journal* would never have survived its start up without Priscilla Clarkin; we were a strong team for 10 years. It was natural to write to her, with a little melancholy, as I prepared to draft this letter. She replied, “I can imagine how difficult stepping down will be. The journal has been so important for so long. It was fun, and lots of hard work, and probably still is fun, and lots of hard work, for those involved.” Exactly.

My greatest hope is that by standing aside now, the *CJEE* team can spread its wings, imagine a fresh future, and enjoy the fun, vision, teamwork, and, indeed, the hard work that Priscilla and I relished for so long—and, that I’ve since enjoyed with folks at Lakehead University.

One of the keys to the energy and enthusiasm that drove the *Journal* in the early days was its clear sense of purpose. There were very few other journals in our field and we had an important role to play in the development of environmental education. I think that a key to the successful future of *CJEE* will be to reinvigorate something like that original purpose and passion. I am convinced that this cannot be done while I’m still in the middle of things. A new team needs space and freedom.

However, I would like to share my thoughts about a few challenges before us. First, consider subscriptions. We have been blessed with an agreement with EECOM to provide all members with a copy of *CJEE*. However, membership fluctuates. During a number of good years leading up to the World Environmental Education Congress in 2009, membership increased to very healthy levels, giving us a bit of a cushion. This year they are down some. So, vigorously recruiting subscribers might be something to work on over the next few years. You, readers, could really help us with this.

Second, we do face a very real issue concerning the commodification of scholarly material. The rise of large publishing houses and increased emphasis on journals with “high impact factors” is upon us in at least two ways. While we don’t see much overt attention given to this issue in Canada, it has found a foothold in this country. A year ago, I reviewed a tenure file from a candidate at

a major Canadian university and was asked to comment on the impact factor of the journals cited. Already, scholars from other countries are discouraged from publishing in journals like ours; I've been hearing directly from them for a few years now. While it may take a little while yet for the effects of this trend to dissuade Canadian authors from publishing with us, the "chill" is already on with international scholars. And, the quality of our journal and its reputation has been tied, in part, to the breadth of our international contributions. This leads to the third point, and one of the things we do have going for us.

The *Canadian Journal of Environmental Education* does, I think, have a good reputation and one of its potential future strengths is its resistance to the commercialization of scholarship. We freely allow scholars to reprint their work elsewhere and, using the Open Journal System, we freely post papers for all to read. In doing these things, we have consciously given access to scholarship a priority over making profit. Now, it is up to a new team, but this is an issue that could be as important today as our original mandate to broaden the range of legitimate research in environmental education.

If you agree that our open publishing agenda is important, then I can offer a few things to consider right now. We can encourage our authors, advisory editors, students, and each other to cite work from *CJEE* as much as is reasonable within the frameworks of our writing projects. Ultimately, this legitimizes the *Journal's* contributions. We can also do this for other independent journals such as *Éducation relative à l'environnement : Regards - Recherches - Réflexions*, the *Southern African Journal of Environmental Education* and others.

We can actively recruit and encourage senior scholars and full professors to publish work with us. Academic freedom should allow a little room for well-established and tenured researchers to join with us in the resistance to some of these distressing trends. I would love to see more articles in *CJEE* written by advisory editors, long-time readers, and others who feel a need to resist this commodifying trend. That would be the greatest gift of all to the *Journal*—and to me.

These are just a few parting thoughts about how *CJEE* might respond to its current situation, and I'm sure that there are lots more worthwhile ideas. I really look forward to watching what your collective imaginations and creativity can come up with. Please be in touch with *CJEE's* ongoing team. I am confident that Connie Russell, Jan Oakley, Gail Kuhl, Blair Niblett, and Lisa Korteweg will infuse new purpose into the *Journal*; but, they will need your ongoing support.

The last thing that I would like to talk about is the wonderful team that I've worked with over the years. Everywhere there have been supportive people who have helped keep this thing going. At Yukon College I am especially indebted to Priscilla Clarkin, Melanie Heynen, and Elaine Austin. Also from the Yukon, Al and Margriet Aasman, and their team at Aasman Design, have helped us develop the best covers. Ann Jarnet, at Environment Canada, believed in the project from the outset. The Canadian Network for Environmental Education

and Communication (EECOM) was an early supporter; Anne Camozzi, Grant Gardner, Brenda Penak, and Natalie Swayze have been especially helpful. At Lakehead University, I appreciate exceptional help from Diana Mason, Karen Farrier, John O’Meara, Julia O’Sullivan, Val Gibbons, Jason Zou, and Rusty Brown. The good folks at Hignell Book Printing have also been with us every wonderful step of the way.

The team has also included folks that have edited special issues and book reviews. Christine Robertson edited reviews for the *Journal*’s first 10 years and now Gavan Watson and Traci Warkentin are doing a very fine job in this role. Guest editors have helped the *Journal* probe important corners of our field. They include: Julian Agyeman; Connie Russell and Paul Hart; Janet Dymment; Rishma Dunlop; Marcia McKenzie and David Greenwood; Jan Oakley in this issue; and Lisa Korteweg for the next. There has also been a magnificent team of advisory editors that I’ve journeyed with along the way. In particular, Paul Hart was an invaluable sounding board through the critical early years.

In closing, I extend my heartfelt thanks to you all—readers, authors, reviewers, editors, administrators, and production assistants—for your friendship, thoughtfulness, and loyalty over the years.

With much affection,  
Bob