

Cambridge University Press

978-1-107-01288-2 - The Management of Insects in Recreation and Tourism

Edited by Raynald Harvey and Lemelin

Frontmatter

[More information](#)

The Management of Insects in Recreation and Tourism

Insects such as cockroaches, mosquitoes and bed-bugs are usually not highly sought amongst travellers or recreationists, yet each year, collectors, butterfly enthusiasts, dragonfly-hunters and apiarists collect, visit, document and raise insects for recreational purposes.

Illustrating a range of human-insect encounters from an interdisciplinary perspective, this book provides the first insight into the booming industry of insect recreation.

Case studies and examples demonstrate the appeal of insects, ranging from the captivating beauty of butterflies to the curious fascination of tiger beetles, and challenge the notion that animals lacking anthropomorphic features hold little or no interest for humans.

Throughout the book, the emphasis is on the innovators, the educators, the dedicated researchers and activists who, through collaboration across fields ranging from entomology to sociology and anthropology, have brought insects from the recreational fringes to the forefront of many conservation and leisure initiatives.

RAYNALD HARVEY LEMELIN is an Associate Professor in the School of Outdoor Recreation, Parks and Tourism at Lakehead University, Canada. His research interests focus around human-animal dynamics, originally in the context of polar bear viewing and more recently in examining the human dimensions of insect conservation.

Cambridge University Press

978-1-107-01288-2 - The Management of Insects in Recreation and Tourism

Edited by Raynald Harvey and Lemelin

Frontmatter

[More information](#)

Cambridge University Press

978-1-107-01288-2 - The Management of Insects in Recreation and Tourism

Edited by Raynald Harvey and Lemelin

Frontmatter

[More information](#)

The Management of Insects in Recreation and Tourism

Edited by

RAYNALD HARVEY

LEMELIN

Lakehead University, Canada



CAMBRIDGE
UNIVERSITY PRESS

Cambridge University Press

978-1-107-01288-2 - The Management of Insects in Recreation and Tourism

Edited by Raynald Harvey and Lemelin

Frontmatter

[More information](#)

CAMBRIDGE UNIVERSITY PRESS

Cambridge, New York, Melbourne, Madrid, Cape Town,
Singapore, São Paulo, Delhi, Mexico City

Cambridge University Press

The Edinburgh Building, Cambridge CB2 8RU, UK

Published in the United States of America by Cambridge University Press, New York

www.cambridge.org

Information on this title: www.cambridge.org/9781107012882

© Cambridge University Press 2013

This publication is in copyright. Subject to statutory exception
and to the provisions of relevant collective licensing agreements,
no reproduction of any part may take place without the written
permission of Cambridge University Press.

First published 2013

Printed and Bound in the United Kingdom by the MPG Books Group

A catalogue record for this publication is available from the British Library

Library of Congress Cataloguing in Publication data

The management of insects in recreation and tourism / edited by Raynald
Harvey Lemelin.

pages cm

Includes bibliographical references and index.

ISBN 978-1-107-01288-2

1. Insects. 2. Human-animal relationships. 3. Wildlife-related recreation.

4. Ecotourism. I. Lemelin, Raynald Harvey, editor of compilation.

QL463.M23 2012

595.7-dc23 2012018837

ISBN 978-1-107-01288-2 Hardback

Cambridge University Press has no responsibility for the persistence or
accuracy of URLs for external or third-party internet websites referred to in
this publication, and does not guarantee that any content on such websites is,
or will remain, accurate or appropriate.

Cambridge University Press

978-1-107-01288-2 - The Management of Insects in Recreation and Tourism

Edited by Raynald Harvey and Lemelin

Frontmatter

[More information](#)

Dedication

Two little boys sit identically entranced by the insects they have captured. Suddenly a stunning yellow butterfly comes floating by and Raymond, the sickly little one, asks his brother Camile if he could capture the butterfly without hurting it. After a somewhat hectic chase, Camile finally captures the butterfly and brings the creature back to his brother. 'La jouissance de son frère en voyant le papillon/his brother's jubilation upon seeing the butterfly makes the effort all worth it,' thinks Camile. After gazing at it for several minutes, Raymond releases the creature back to its airy domain. Perhaps one day, he muses, 'je serais libre comme ce papillon/I will be free, like this butterfly.'

The two little boys in this story are my uncles. Although identical twins, Raymond was the smaller sicklier of the two. This disability was offset by Camile's strength and dedication to his brother. Ironically, years later, it was Raymond who would protect not only his brother, but his entire family and his nation by enlisting in World War II. Landing on the beaches of Junot, Normandy, France, in 1944, my uncle helped to free the land of our ancestors. Months later he was wounded in Belgium and sent home.

The story of little boys and little girls pursuing insects was a common one to rural French-Canada. Yet only two generations later, it would seem that this jouissance for nature has been lost. Disconnected from our roots and our land, we have become indifferent or, worse, intolerant of insects and other creatures. Growing up in an urban environment, I would think nothing of using pesticides and various other deterrents to annihilate insects. Fortunately, my wife, also from a farming background, began to practice organic gardening and created a butterfly garden in our backyard. From her readings, she learnt about the importance of insects and co-existence. It was also during this time that I attended the Great Lakes Odonata Meeting in Fort

Cambridge University Press

978-1-107-01288-2 - The Management of Insects in Recreation and Tourism

Edited by Raynald Harvey and Lemelin

Frontmatter

[More information](#)

Frances, Ontario. By running around in various fields and jumping into ponds, I was brought face-to-face with the beauty of these magnificent animals. During these outings I also had the opportunity to learn about Odonata from dedicated and passionate instructors. Soon thereafter, I would have an epiphany and would refocus my research and dedicate myself to raising our awareness of insects and protecting these amazing creatures. While I would not call myself an entomophile, we did raise 14 monarch butterflies in our house; they have all been released. So perhaps, like my uncles, I can also now take the time to gaze upon the butterfly, to be amazed by the dragonfly, to be awed by the firefly.

This book is dedicated to my uncles Raymond and Camile, to my aunt Georgette, to my wife Elaine, to my son Gabriel, and to all my family and those individuals who care so much about insects and all the animals. May you always take the time to gaze and to be amazed. Ona ki:wa he (may you always be well on your journey).

Cambridge University Press

978-1-107-01288-2 - The Management of Insects in Recreation and Tourism

Edited by Raynald Harvey and Lemelin

Frontmatter

[More information](#)

Contents

	List of contributors	<i>page</i> x
1	Introduction RAYNALD HARVEY LEMELIN	1
	Part I Human-insect encounters	21
2	Minding insects: scale, value, world ADAM DODD	23
3	The philosophical and psychological dimensions of insects: tourism, horror and the negative sublime JEFF LOCKWOOD	37
4	Tiger beetles: lessons in natural history, conservation and the rise of amateur involvement DAVID L. PEARSON	56
5	A is for apiculture, B is for bee, C is for colony-collapse disorder, P is for pollinator parks: an A to Z overview of what insect conservationists can learn from the bees EDWARD M. SPEVAK	76
6	The entomological and recreational aspects of interacting with Lepidoptera T. R. NEW	95
7	Dragonflies: their lives, our lives, from ponds to reserves MICHAEL J. SAMWAYS	108

viii	Contents	
	Part II	
	Insects and Leisure	121
8	Relating to aquatic insects: becoming English fly fishers ADRIAN FRANKLIN	123
9	An appreciation for the natural world through collecting, owning and observing insects AKITO Y. KAWAHARA AND ROBERT M. PYLE	138
10	Gardening and landscape modification: butterfly gardens JARET DANIELS	153
11	The role of edible insects in human recreation and tourism ALAN L. YEN, YUPA HANBOONSONG AND ARNOLD VAN HUIS	169
	Part III	
	Insects and Tourism	187
12	Butterfly conservatories, butterfly ranches and insectariums: generating income while promoting social and environmental justice KO VELTMAN	189
13	Insect festivals: celebrating and fostering human-insect encounters GLEN T. HVENEGAARD, THOMAS A. DELAMERE, RAYNALD HARVEY LEMELIN, KATHLEEN BRAGER AND ALAINE AUGER	198
14	Glow-worm tourism in Australia and New Zealand: commodifying and conserving charismatic micro-fauna C. MICHAEL HALL	217
	Part IV	
	Conservation Frontiers	233
15	May you live in interesting times: technology and entomology FORREST L. MITCHELL	235
16	Citizen science and insect conservation KELSEY JOHANSEN AND ALAINE AUGER	252
17	The institutionalization of insect welfare: the cultural aspects of establishing a new organization dedicated to conserving invertebrates MATT SHARDLOW	274

Cambridge University Press

978-1-107-01288-2 - The Management of Insects in Recreation and Tourism

Edited by Raynald Harvey and Lemelin

Frontmatter

[More information](#)

	Contents	ix
18	Insects in education: creating tolerance for some of the world's smallest citizens	289
	CRYSTAL M. ERNST, KRISTEN M. VINKE, DONNA J. GIBERSON AND CHRISTOPHER M. BUDDLE	
19	Discovering the microwilderness in parks and protected areas	306
	JESSICA J. RYKKEN AND BRIAN D. FARRELL	
20	Conclusion	323
	RAYNALD HARVEY LEMELIN	
	Index	338

Cambridge University Press
978-1-107-01288-2 - The Management of Insects in Recreation and Tourism
Edited by Raynald Harvey and Lemelin
Frontmatter
[More information](#)

Contributors

Ms Alaine Auger

School of Outdoor Recreation, Parks and Tourism
Lakehead University
Thunder Bay, ON, Canada

Ms Kathleen Brager

University of Alberta
Canada

Professor Christopher M. Buddle

Department of Natural Resource Science
McGill University
Ste-Anne-de-Bellevue, QC, Canada

Professor Jaret Daniels

Department of Entomology and Nematology
and
Assistant Director of Exhibits and Public Programs
Florida Museum of Natural History
University of Florida
Gainesville, FL, USA

Professor Thomas A. Delamere

Department of Recreation and Tourism Management
Vancouver Island University
Nanaimo, BC, Canada

Dr Adam Dodd

Department of Culture Studies and Oriental Languages
University of Oslo
Oslo, Norway

Ms Crystal M. Ernst

Department of Natural Resource Science
McGill University
Ste-Anne-de-Bellevue, QC, Canada

Professor Brian D. Farrell

Cambridge, MA, USA
Curator of Entomology
Museum of Comparative Zoology
Harvard University

Professor Adrian Franklin

School of Sociology and Social Work
University of Tasmania
Hobart, Australia

Professor Donna J. Giberson

Department of Biology
University of Prince Edward Island
Charlottetown, PE, Canada

Professor C. Michael Hall

Department of Management
University of Canterbury
Christchurch, New Zealand

Professor Yupa Hanboonsong

Faculty of Agriculture
Khon Kaen University
Khon Kaen, Thailand

Professor Glen T. Hvenegaard

University of Alberta, Augustana Campus
Camrose, AB, Canada

Ms Kelsey Johansen

School of Outdoor Recreation, Parks and Tourism
Lakehead University
Thunder Bay, ON, Canada

Professor Akito Y. Kawahara

Florida Museum of Natural History
University of Florida
Gainesville, FL, USA

Cambridge University Press
978-1-107-01288-2 - The Management of Insects in Recreation and Tourism
Edited by Raynald Harvey and Lemelin
Frontmatter
[More information](#)

xii List of contributors

Dr Raynald Harvey Lemelin

School of Outdoor Recreation, Parks and Tourism
Lakehead University
Thunder Bay, ON, Canada

Professor Jeff Lockwood

Department of Philosophy
University of Wyoming
Laramie, WY, USA

Professor Forrest L. Mitchell

Texas AgriLife Research
Stephenville, TX, USA
and
Department of Entomology
Texas A&M University
College Station, TX, USA

Professor Tim R. New

Department of Zoology
La Trobe University
Bundoora, Australia

Dr David L. Pearson

School of Life Sciences
Arizona State University
Tempe, AZ, USA

Dr Robert M. Pyle

The Xerces Society for Invertebrate Conservation
Portland, OR, USA

Dr Jessica J. Rykken

Museum of Comparative Zoology
Harvard University
Cambridge, MA, USA

Professor Michael J. Samways

Department of Conservation Ecology and Entomology
Stellenbosch University
Stellenbosch, South Africa

Mr Matt Shardlow

Chief Executive
Buglife: The Invertebrate Conservation Trust
Peterborough, UK

Cambridge University Press
978-1-107-01288-2 - The Management of Insects in Recreation and Tourism
Edited by Raynald Harvey and Lemelin
Frontmatter
[More information](#)

List of contributors xiii

Mr Edward M. Spevak

Curator of Invertebrates
St Louis Zoo
St Louis, MO, USA

Professor Arnold van Huis

Laboratory of Entomology
Wageningen University
Wageningen, The Netherlands

Mr Ko Veltman

Natura Artis Magistra (Artis Royal Zoo)
Amsterdam, The Netherlands

Ms Kristen M. Vinke

Department of Biology
University of Prince Edward Island
Charlottetown, PE, Canada

Dr Alan L. Yen

Department of Primary Industries
Victoria & La Trobe University
Victoria, Australia

Cambridge University Press

978-1-107-01288-2 - The Management of Insects in Recreation and Tourism

Edited by Raynald Harvey and Lemelin

Frontmatter

[More information](#)
