

# PACIFIC STUDIES

---

A multidisciplinary journal devoted to the study  
of the peoples of the Pacific Islands

---

SEPTEMBER/DECEMBER 1999

Anthropology  
Archaeology  
Art History  
Economics  
Ethnomusicology  
Folklore  
Geography  
History  
Sociolinguistics  
Political Science  
Sociology

PUBLISHED BY

THE INSTITUTE FOR POLYNESIAN STUDIES  
BRIGHAM YOUNG UNIVERSITY—HAWAII

IN ASSOCIATION WITH THE POLYNESIAN CULTURAL CENTER

---

## EDITORIAL BOARD

---

Paul Alan Cox	<i>National Tropical Botanical Gardens</i>
Roger Green	<i>University of Auckland</i>
Francis X. Hezel, S.J.	<i>Micronesian Seminar</i>
Rubellite Johnson	<i>University of Hawai'i</i>
Adrienne Kaeppler	<i>Smithsonian Institution</i>
Robert Kiste	<i>University of Hawai'i</i>
Robert Langdon	<i>Australian National University</i>
Stephen Levine	<i>Victoria University</i>
Barrie Macdonald	<i>Massey University</i>
Cluny Macpherson	<i>University of Auckland</i>
Leonard Mason	<i>University of Hawai'i</i>
Malama Meleisea	<i>University of Auckland</i>
Norman Meller	<i>University of Hawai'i</i>
Richard M. Moyle	<i>University of Auckland</i>
Colin Newbury	<i>Oxford University</i>
Douglas Oliver	<i>University of Hawai'i</i>
Karen Peacock	<i>University of Hawai'i</i>
Nancy Pollock	<i>Victoria University</i>
Sergio A. Rapu	<i>Easter Island</i>
Karl Rensch	<i>Australian National University</i>
Bradd Shore	<i>Emory University</i>
Yosihiko Sinoto	<i>Bishop Museum</i>
William Tagupa	<i>Honolulu, Hawai'i</i>
Francisco Orrego Vicuña	<i>Universidad de Chile</i>
Edward Wolfers	<i>University of Wollongong</i>

---

Articles and reviews in *Pacific Studies* are abstracted or indexed in *Sociological Abstracts*, *Linguistics and Language Behavior Abstracts*, *America: History and Life*, *Historical Abstracts*, *Abstracts in Anthropology*, *Anthropological Literature*, *PAIS Bulletin*, *International Political Science Abstracts*, *International Bibliography of Periodical Literature*, *International Bibliography of Book Reviews*, *International Bibliography of the Social Sciences*, and *Anthropological Index Online*.

---

# PACIFIC STUDIES

*Editor*

DALE B. ROBERTSON

*Associate Editor*

GLORIA L. CRONIN

*Book Review Editor*

PHILLIP MCARTHUR

*Book Review Forum Editor*

LAMONT LINDSTROM

*Visual Media Review Editor*

LAURA ZIMMER-TAMAKOSHI

*Books Noted Editor*

RILEY M. MOFFAT

*Technical Editor*

SHARLENE ROHTER

Editorial Policy: *Pacific Studies* is published quarterly by The Institute for Polynesian Studies, Brigham Young University–Hawai‘i, Lā‘ie, Hawai‘i 96762–1294, <http://www.byuh.edu/academics/divisions/ips/>, but responsibility for opinions expressed in the articles rests with the authors alone.

Subscription rate is U.S. \$40.00, payable to The Institute for Polynesian Studies. Articles submitted to the editor must not be submitted elsewhere while under review by *Pacific Studies* and should be the original typewritten copy, completely double-spaced (including quotations, references, and notes). Authors may write to the editor for a style sheet and information on computer-disk submissions. Books for review should also be sent to the editor.

The Institute for Polynesian Studies is an organization funded by Brigham Young University–Hawai‘i. The Institute assists the University in meeting its cultural and educational goals by undertaking a program of teaching, research, and publication. The Institute cooperates with other scholarly and research institutions in achieving their objectives. It publishes monographs, produces films, underwrites research, and sponsors conferences on the Pacific Islands. Further information on the activities of the Institute may be obtained by writing to the editor.

© 2001 Brigham Young University–Hawai‘i. All Rights Reserved. Printed in the United States of America.

This publication is printed on acid-free paper and meets the guidelines for permanence and durability of the Council on Library Resources.

ISSN 0275–3596

ISBN 0–939154–67–6

# PACIFIC STUDIES

---

## **SUSTAINABILITY IN THE SMALL ISLAND STATES OF THE PACIFIC**

*Guest Editors*

CHARLES J. STEVENS  
MIKE EVANS

*A Pacific Studies Special Issue*  
VOL. 22, Nos. 3/4 (SEPT./DEC. 1999) • LĀ'IE, HAWAI'I

Special Issue  
SUSTAINABILITY IN THE SMALL ISLAND STATES  
OF THE PACIFIC

## CONTENTS

<i>Introduction: Defining and Understanding Sustainability in Small Island States</i> CHARLES J. STEVENS .....	1
<i>The Sustainable, the Expendable, and the Obsolete</i> MICHAEL D. LIEBER .....	13
<i>Legislating a Sustainable Land Ethic for New Zealand</i> MICHÈLE D. DOMINY .....	47
<i>Accounting for Change: Bringing Interdependence into Defining Sustainability</i> KAREN L. NERO .....	81
<i>Artisanal Coral Reef Fisheries and Sustainable Development: The Arno Atoll Fisheries Association</i> JIM HESS .....	109
<i>Is Tonga's MIRAB Economy Sustainable? A View from the Village and a View Without It</i> MIKE EVANS .....	137

<i>Development, Sustainability, and the Deforestation of Samoa</i> PAUL SHANKMAN .....	167
<i>Taking Over What Belongs to God: The Historical Ecology of Tonga since European Contact</i> CHARLES J. STEVENS .....	189
Contributors.....	221