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The Routledge Handbook of Bioarchaeology in Southeast Asia and the Pacific Islands

Edited by Marc Oxenham and Hallie Buckley

The Routledge Handbook of Bioarchaeology in Southeast Asia and the Pacific Islands

In recent years the bioarchaeology of Southeast Asia and the Pacific Islands has seen enormous progress. This new and exciting research is synthesised, contextualised and expanded upon in *The Routledge Handbook of Bioarchaeology in Southeast Asia and the Pacific Islands*.

The volume is divided into two broad sections, one dealing with mainland and island Southeast Asia, and a second section dealing with the Pacific Islands. A multi-scale approach is employed to the bio-social dimensions of Southeast Asia and the Pacific Islands with contributions varying between region and/or site-specific scales of operation to the individual or personal scale. The more personal level of osteobiographies enriches the understanding of the lived experience in past communities.

By including a number of contributions from sub-disciplinary approaches tangential to bioarchaeology, the book provides a broad theoretical and methodological approach. It provides new information on the globally relevant topics of farming, population mobility, subsistence and health; no other volume provides such a range of coverage on these important themes.

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 **Routledge**
Taylor & Francis Group
LONDON AND NEW YORK

First published 2016

by Routledge

2 Park Square, Milton Park, Abingdon, Oxon OX14 4RN

and by Routledge

711 Third Avenue, New York, NY 10017

Routledge is an imprint of the Taylor & Francis Group, an informa business

© 2016 selection and editorial matter Marc Oxenham and Hallie R. Buckley; individual chapters, the contributors

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British Library Cataloguing-in-Publication Data

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

Library of Congress Cataloging-in-Publication Data

The Routledge handbook of bioarchaeology in Southeast Asia and the Pacific Islands / edited by Marc Oxenham and Hallie Buckley
pages cm

Includes index.

1. Human remains (Archaeology)—Southeast Asia. 2. Human remains (Archaeology)—Pacific Ocean. I. Oxenham, Marc, editor, author. II. Buckley, Hallie, editor, author.

CC79.5.H85R68 2015

930.1—dc23

2015016135

ISBN: 978-1-138-77818-4 (hbk)

ISBN: 978-1-315-72544-4 (ebk)

Typeset in Bembo Std

by Swales & Willis Ltd, Exeter, Devon, UK

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It is a great pleasure for me to write the foreword to this remarkable Routledge Handbook, a volume dedicated to the research advances and accomplishments in the bioarchaeology of Southeast Asia and the Pacific Islands, a vast region of the globe occupied by people having complex histories, variable social contexts, and remarkable diversity of circumstances of life and living. The book's focus is on bioarchaeology, the study of human and faunal remains from archaeological contexts, which is a relatively new science. Two decades ago, I took on the task of presenting a synthesis of the field as it relates to humans (Larsen, 1997). Since then, I have watched with considerable interest the remarkable expansion in bioarchaeological research, its increasingly global coverage and its population and regional perspectives, including for Southeast Asia (Oxenham and Tayles, 2006). So expansive has bioarchaeology become that I prepared a new synthesis (Larsen, 2015), giving me a chance to present theoretical and methodological advances made in regard to a range of issues. But no synthesis can be truly comprehensive. Rather, a comprehensive synthesis of bioarchaeology in Southeast Asia and the Pacific Islands is presented in this Routledge Handbook, providing broad coverage of the region, giving the reader a go-to source written by leading experts in the field, and presenting new meanings and understanding of population history. This Handbook gives us a fundamental source that presents a new vision and broad scope, informing our growing understanding of how humans adapt.

While the focus of the book is on the study of human remains, new analyses of animal and plant remains and other key contextual data for interpreting transformative adaptive systems are also provided by the contributors to the book. Past dietary transitions and related adaptations are certainly revealed in the book, but the implications relating to climate change, nutritional deprivation, and negative health outcomes in these settings collectively give us new meaning for understanding the world we live in today. Simply, the biological and social changes and transformations put into place hundreds and thousands of years ago set the stage for the world we live in today.

The biocultural framework of the book illustrates the diverse array of adaptive systems and the richness of the human record when viewed in its wide context. In this regard, the diversity of adaptive systems applies to the foraging-to-farming transition, arguably the leading economic change having the most profound impact on human societies, population history, health and wellbeing, and lifestyle. The results presented by a number of contributors to the Handbook emphasize the region's role in the global Neolithic revolution. This work underscores the important point that the manner and scope of the revolution was neither monocausal nor did it result in universal changes in health and wellbeing (Armelagos and Cohen, 2013). The bioarchaeological record from Southeast Asia and the Pacific Islands emphasizes the diversity of life experiences and social change during the Neolithic and after, including for those settings where farming and reliance on plant carbohydrates was not a dominant part of the adaptive transition. The results presented for a range of research programs so nicely documented in the following pages highlight the various approaches to understanding the adaptive frameworks in the ancient past, providing the essential context for understanding the complex biological, social, and cultural world we live in today.

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Hallie R. Buckley, Kate Domett, Siân E. Halcrow and Marc Oxenham

This volume is dedicated to the recently retired, but still most active, Associate Professor Nancy Tayles. The legacy of Professor Tayles' influence on bioarchaeological research in Southeast Asia and the Pacific is abundantly clear from her contributions to many of the chapters in this volume as first author and contributing author. For over 30 years, Nancy has engaged in field-based bioarchaeology in Thailand, Myanmar and Laos, Vanuatu, Micronesia, Polynesia and New Zealand. Throughout her career, she has directly trained and mentored a substantial number of the contributing authors in this volume (Buckley, Domett, Halcrow, Harris, King, Ward and Willis), many of whom have gone on to establish their own independent field-based research programmes and extended the influence of her research into wider parts of Southeast Asia, the Pacific and beyond. Nancy has also established training programmes in the countries she worked in, encouraging and mentoring her Southeast Asian colleagues in building local knowledge and skills for heritage management. Nancy's pedagogy has always been firmly embedded in a biocultural or biosocial approach to understanding the past and through her fieldwork she has extensive experience with grassroots-level community engagement. These are the reasons for the dedication of this current volume.

Appended to this Dedication is a bibliography of Associate Professor Tayles' published work. Because of space restrictions, this does not include the numerous contributions to reports on fieldwork findings for official Thailand institutions or the many reports compiled as a community service to various government bodies and *iwi* (tribal groups) in New Zealand. Nancy's work has contributed to the field of bioarchaeology on an international scale and has been instrumental in setting Southeast Asia on the world stage. Among her most important contributions to scholarly work in Southeast Asia are the studies addressing the significance of this region during the so-called Agricultural Revolution. Through Nancy's work and that in collaboration with colleagues, these publications (e.g., Tayles et al., 2000; Tayles et al., 2009; Domett and Tayles, 2007) have questioned the almost universal assumption that the intensification of agriculture had consequent negative impacts on human health. Her work questioning long-held methodological assumptions (e.g., Dias and Tayles, 1997) has had an impact on interpretive bioarchaeology outside of the region. Recently, the field of research that uses isotopic evidence of childhood residence for assessing mobility has become a standard part of the bioarchaeologist's repertoire throughout the world. With Alex Bentley, Nancy introduced this method for adding to biocultural investigations of the quality of life of people in Southeast Asia (Bentley et al., 2007). While Nancy has now retired from the daily grind of academic life, her career and outstanding achievements have been recognised by an invitation for her to act as a Visiting Professor at Khon Kaen University, Thailand, where she will be mentoring and advising Thai bioarchaeologists on research design and teaching the fundamentals of bioarchaeology in practice. We are sure that she will continue to inspire and nurture generations of Thai and *farang* bioarchaeologists well into the future.

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