

Contents

List of Figures ix

List of Tables xv

Foreword xvii

Marc-André Bernier

Acknowledgments xxv

1. Overview of Archaeological Evidence on the Use of Inland and Maritime Waters in Latin America 1

Christophe Delaere and Dolores Elkin

Part I. The Pre-Hispanic Period

2. Archaeological Evidence in the Caves and Cenotes of the Yucatán Peninsula, Mexico 19

Helena Barba-Meinecke, Diana E. Arano Recio, and Abiud Pizá Chávez

3. Contexts and Meanings of Pre-Hispanic Underwater Offerings Discovered in the Volcanic Lakes of Nevado de Toluca, Mexico 33
Iris del Rocío Hernández Bautista and Roberto Junco Sánchez

4. Dugout Canoes and Waterways: Ethnographic and Archaeological Evidence from Belize and the Maya Territory 45

Alexandra Biar

5. Human Resilience in Fluvial Environments in Pre-Hispanic Central Nicaragua 57

Irene Torreggiani, William J. Harvey, and Alexander Geurds

6. Pre-Columbian Lifeways at Three Estuarine and Two Platform Island Sites in Pacific Panama 71

Ilean Isaza-Aizpurúa, Máximo Jiménez-Acosta, Nicole E. Smith-Guzmán, Ashley Sharpe, Juan G. Martín, and Richard G. Cooke

7. Pre-Hispanic Subsistence Strategies on the Central and Southern Coast of Ecuador: Ligüíqui and Puná Island 85
Juan Andrés Jijón Porras, Carlos Gonzalo Pacheco Navarro, and Marcos Octavio Labrada Ochoa
8. Moche Paraphernalia and Rituality in the Islands of Peru: Archaeological Objects from Guano Exploitation in the Nineteenth Century 96
Vicente Cortéz Billet and José Hudtwalcker Morán
9. A *Spondylus* Workshop within a Ritual Building at Pachacamac on the Central Coast of Peru (ca. AD 1470–1533) 110
Peter Eeckhout, Carmela Alarcón Ledesma, and Milton Luján Dávila
10. Change and Continuity in the Diet of El Huarco–Cerro Azul, Peru, during the Inca Arrival (AD 1470–1532) 126
Bryan Núñez Aparcana, Mary Avila Peltroche, and Nina Mireya Castillo Sánchez
11. Inland Water Archaeology in Andean Lakes 138
Christophe Delaere, Johan Reinhard, Marcial Medina Huanca, and Eduardo Pareja Siñanis
12. Unraveling Animal Sacrifice and Taphonomy: Analysis of Faunal Remains from the Underwater Khoa Reef Sanctuary in Lake Titicaca, Bolivia 153
José M. Capriles, Christophe Delaere, and Velia V. Mendoza España
13. Three-Beam Models from the Coast of the Atacama Desert in Northern Chile 165
Benjamín Ballester, Serge Lemaitre, Marcela Sepúlveda, and Caroline Tilleux
14. Balsa Wood Rafts and Chinchorro Fishing: A Maritime Ethnoarchaeology Approach to the Study of Miniature Rafts from Arica, Chile (AD 1000–1400) 177
Felipe Rubio Munita, Nicolás Lira San Martín, and Victoria Castro Rojas
15. Maritime Resources in Ceremonial Contexts of the Atacama Desert during the Formative Period (1500 BC–AD 400): The Case of *Concholepas concholepas* 187
Claudia Castillo, Catalina Soto Rodríguez, Bárbara Olguín, and Gabriela Covarrubias Ale

Part II. The Historical Period

16. Archaeological Research of the El Ángel and 40 Cañones Sites in Banco Chinchorro, Quintana Roo, Mexico 201
Laura Carrillo Márquez, Nicolás C. Ciarlo, Andrés Zuccolotto Villalobos, and Josué Guzmán Torres
17. First Approaches to the Treasure of Alacranes Reef: A Multidisciplinary Study of the Ancla Macuca Shipwreck in the Gulf of Mexico 212
Helena Barba-Meinecke, Roberto Junco Sánchez, Javier Reyes Trujeque, Letizia Arbeteta Mira, Abiud Pizá Chávez, Isabel Silva León, Yolanda Espinoza Morales, Salvador Domínguez-Bella, Diana E. Arano Recio, Josefina Martí Solano, Marcelo Gabaldón Rodenas, Josué Guzmán Torres, and Dalila Aldana Aranda
18. The Dutch Presence in Cuban Waters: Underwater Archaeology on the Northwestern Coast of Havana and in Artemisa Province 224
Maickel Cáceres Suárez, Martijn Manders, Leon Derksen, and Robert de Hoop
19. The Shipwreck of the French Fleet in Las Aves de Sotavento, Venezuela: A Seventeenth-Century Maritime Disaster 235
José Miguel Pérez-Gómez
20. The Shipwreck of *Nuestra Señora de Guadalupe*: Reconstruction of the Hull and Cargo of an Eighteenth-Century Spanish Ship That Sank in the Bay of Samaná 248
Carlos León Amores and Cruz Apóstegui Cardenal
21. Defensive Maritime Space in the Bay of Cartagena de Indias (Colombia) in the Eighteenth Century 260
Carlos Del Cairo Hurtado, Carla Riera Andreu, Jesús Alberto Aldana Mendoza, and Laura Victoria Báez Santos
22. Archaeological Research in the Arquipélago de São Pedro e São Paulo, Brazil 271
Flávio Rizzi Calippo, Gilson Rambelli, and Paulo Fernando Bava de Camargo
23. Revisiting the Archaeology of the Harbor of Cananéia in São Paulo in the Nineteenth and Twentieth Centuries 282
Paulo Fernando Bava de Camargo
24. Underwater and Maritime Archaeology at the Bay of Maldonado in Uruguay 292
Rodrigo Torres, Eduardo Keldjian, and Matías Dourteau

25. Coastal Urban Archaeology at the Waterfront of the Buenos Aires Estuary 304
Marcelo Weissel
26. Materials Recovered from the Zen City Shipwreck in the Port of Buenos Aires, Argentina 317
Mónica Patricia Valentini
27. Maritime Archaeology in Northern Patagonia: Historical Shipwrecks Located between Bahía San Blas and Carmen de Patagones, Province of Buenos Aires, Argentina 329
Nicolás C. Ciarlo, Amaru Argüeso, Ana Castelli, Luis V. J. Coll, and Rodrigo Torres
28. Smoke on the Water: The Technology of the Steamer *Presidente Roca* and Its Implications for Navigation in Argentinian Patagonia 341
Guillermo Gutiérrez and Julieta Frere
29. The Archaeology of Scattered Ship Remains on the Atlantic Coast of Patagonia: The Case of Bahía Troika 353
Cristian Murray and Mónica Grossos
- List of Contributors 365
- Index 379