

NINA G. JABLONSKI, SERIES EDITOR

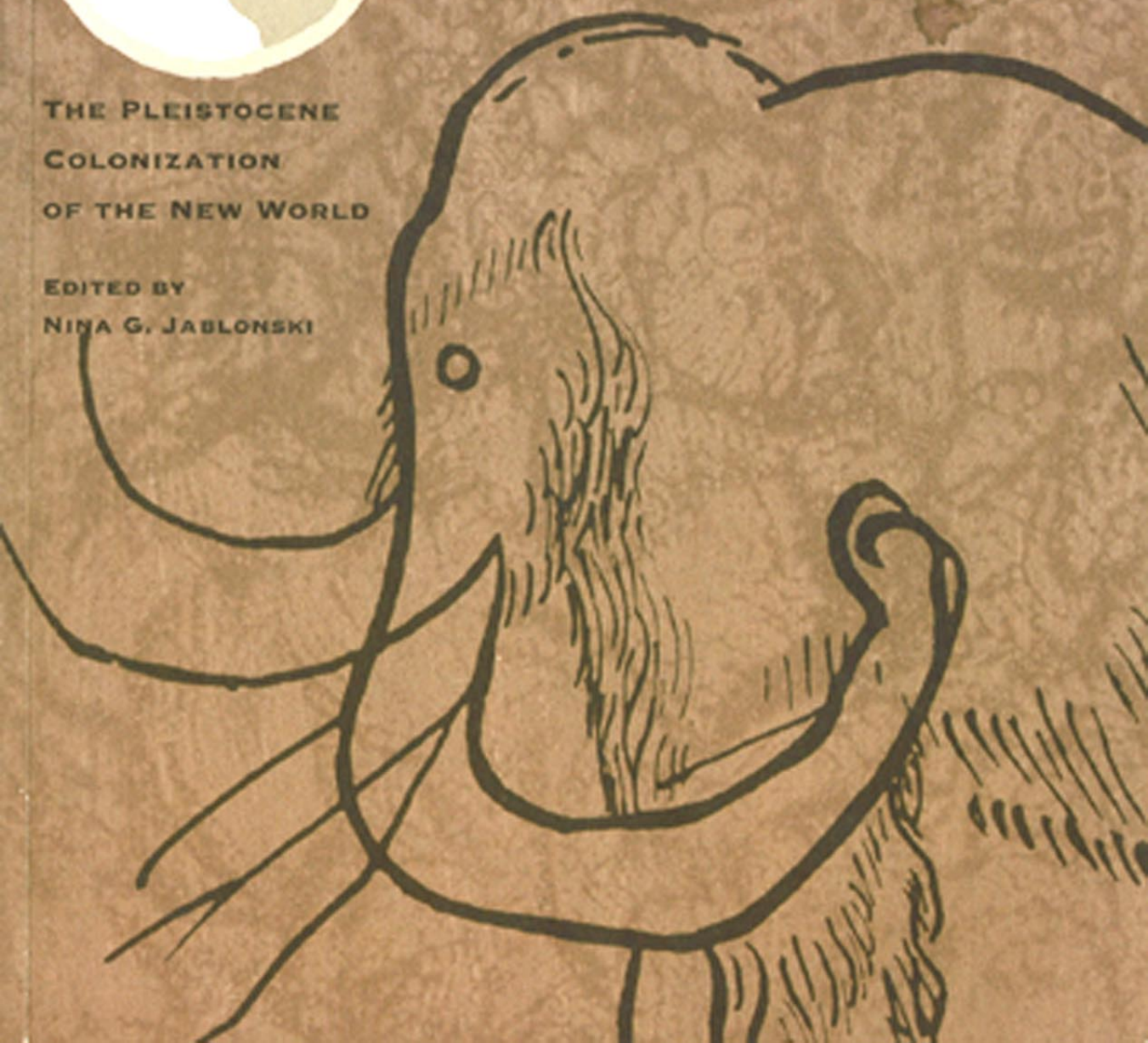
THE EDITED PROCEEDINGS OF A PAUL L. AND PHYLLIS WATTIS FOUNDATION ENDOWMENT SYMPOSIUM
MEMOIRS OF THE CALIFORNIA ACADEMY OF SCIENCES NUMBER 27

The First Americans



THE PLEISTOCENE
COLONIZATION
OF THE NEW WORLD

EDITED BY
NINA G. JABLONSKI





The First Americans

THE PLEISTOCENE COLONIZATION
OF THE NEW WORLD

VOLUME EDITOR

NINA G. JABLONSKI

Wattis Symposium Series in Anthropology

MEMOIRS OF THE CALIFORNIA ACADEMY OF SCIENCES

Number 27

San Francisco, California

April 8, 2002

SCIENTIFIC PUBLICATION COMMITTEE:

Alan Leviton, *Editor*

Katie Martin, *Managing Editor*

©2002 by the California Academy of Sciences

Golden Gate Park

San Francisco, CA 94118

All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or any information storage or retrieval system, without permission in writing from the publisher.

Library of Congress Control Number: 2002103062

ISBN: 0-940228-49-1 (cloth)

ISBN: 0-940228-50-5 (paper)

Printed in the United States of America by the Allen Press

Distributed by the University of California Press



Preface	xiii
Introduction	1
Changing Perspectives of the First Americans: Insights Gained and Paradigms Lost, by <i>Nina G. Jablonski</i>	
Setting the Stage: Environmental Conditions in Beringia as People Entered the New World, by <i>Scott A. Elias</i>	9
What Do You Do When No One's Been There Before? Thoughts on the Exploration and Colonization of New Lands, by <i>David J. Meltzer</i>	27
Anatomically Modern Humans, Maritime Voyaging, and the Pleistocene Colonization of the Americas, by <i>Jon M. Erlandson</i>	59
Facing the Past: A view of the North American Human Fossil Record, by <i>D. Gentry Steele and Joseph F. Powell</i>	93
Teeth, Needles, Dogs, and Siberia: Bioarchaeological Evidence for the Colonization of the New World, by <i>Christy G. Turner II</i>	123
The Migrations and Adaptations of the First Americans: Clovis and Pre-Clovis Viewed from South America, by <i>A. C. Roosevelt, John Douglas and Linda Brown</i>	159
Plant Food and its Implications for the Peopling of the New World: A view from South America, by <i>Tom D. Dillehay and Jack Rossen</i>	237
Ocean Trails and Prairie Paths? Thoughts about Clovis Origins, by <i>Dennis Stanford and Bruce Bradley</i>	255
The First American Languages, by <i>Johanna Nichols</i>	273
A Mitochondrial Perspective on the Peopling of the New World, by <i>D. Andrew Merrivether</i>	295
Index	311

Contributors

Bruce Bradley

Primitive Technology Enterprise, Inc.
P.O. Box 534
Cortez, CO 81321
(970) 565-7618
primtech@yahoo.com

Linda Brown

Department of Anthropology
University of Montana
Missoula, MT 59812
(406) 243-2693
(406) 243-4918 FAX

Tom D. Dillehay

Department of Anthropology
University of Kentucky
Lexington, KY 40506
(773) 702-7729
(773) 702-4503 FAX
dilleha@pop.uky.edu

John Douglas

Department of Anthropology
University of Montana
Missoula, MT 59812
(406) 243-2693
(406) 243-4918 FAX
an_jed@selway.umt.edu

Scott A. Elias

Department of Geography
University of London
Royal Holloway
Egham, Surrey TW20 0EX
(44) 1784-443-647
(44) 1784-472-836 FAX
s.elias@rhul.ac.uk

Jon M. Erlandson

Department of Anthropology
University of Oregon
Eugene, OR 97403
(541) 346-5098
(541) 346-0668 FAX
jerland@oregon.uoregon.edu

Nina G. Jablonski

Department of Anthropology
California Academy of Sciences
Golden Gate Park
San Francisco, CA 94118
(415) 750-7161
(415) 750-7346 FAX
njablonski@calacademy.org

David J. Meltzer

Department of Anthropology
Southern Methodist University
Dallas, TX 75275
(214) 768-2826
(214) 768-2906 FAX
dmeltzer@post.cis.smu.edu

D. Andrew Merrinwether

Department of Anthropology

Department of Ecology & Evolutionary Biology

The Center for Statistical Genetics

University of Michigan

1020 LSA Building

Ann Arbor, MI 48109

(734) 647-6777

(734) 763-5383 FAX

andym@umich.edu

Johanna Nichols

Department of Slavic Languages and Literatures

Mailcode 2979

University of California at Berkeley

Berkeley, CA 94720-2979

(510) 642-1097

(510) 642-6220 FAX

Joseph F. Powell

Department of Anthropology

University of New Mexico

Albuquerque, NM 87131

(505) 277-1538

A. C. Roosevelt

Department of Anthropology, University of Illinois

Department of Archaeology, Field Museum of Natural History

Roosevelt and Lakeshore Drive

Chicago, IL 60653

(312) 665-7055

(847) 869-0423 FAX

Jack Rossen

Department of Anthropology
Ithaca College
Ithaca, NY 14850
jrossen@ithaca.edu

Dennis Stanford

Department of Anthropology & Archaeology
National Museum of Natural History
MRC 112, Smithsonian Institution
Washington, D.C. 20560
(202) 357-2672
(202) 357-2208 FAX
stanford.dennis@nmnh.si.edu

D. Gentry Steele

Department of Anthropology
Texas A&M University
College Station, TX 77843
(979) 845-5297
(979) 845-4070 FAX
dgsteele@tamu.edu

Christy G. Turner II

Department of Anthropology
Arizona State University, Box 87242
Tempe, AZ 85287
(480) 965-6213
(480) 965-7671 FAX
christy.turner@asu.edu