Bones for tools – tools for bones

The interplay between objects and objectives

Edited by Krish Seetah & Brad Gravina

Published by:

McDonald Institute for Archaeological Research University of Cambridge
Downing Street
Cambridge, UK
CB2 3ER
(0)(1223) 333538
(0)(1223) 339336 (Production Office)
(0)(1223) 333536 (FAX)
dak12@cam.ac.uk
www.mcdonald.cam.ac.uk

Distributed by Oxbow Books

United Kingdom: Oxbow Books, 10 Hythe Bridge Street, Oxford, OX1 2EW, UK.

Tel: (0)(1865) 241249; Fax: (0)(1865) 794449; www.oxbowbooks.com

USA: The David Brown Book Company, P.O. Box 511, Oakville, CT 06779, USA.

Tel: 860-945-9329; Fax: 860-945-9468

ISBN: 978-1-902937-59-5 ISSN: 1363-1349 (McDonald Institute)

© 2012 McDonald Institute for Archaeological Research

All rights reserved. No parts of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the McDonald Institute for Archaeological Research.

Cover design by Krish Seetah and Dora Kemp.

Cover image: 'Cerf noir du diverticule Axial' from Lascaux, adapted from a photograph by Norbert Aujoulat, with kind permission from Centre national de préhistoire, Ministère de la culture et de la communication. Artefact drawings by Krish Seetah.

Edited for the Institute by James Barrett (Series Editor) and Dora Kemp (Production Editor).

Printed and bound by Short Run Press, Bittern Rd, Sowton Industrial Estate, Exeter, EX2 7LW, UK.

CONTENTS

| Figures Tables | rs | vii |
|-----------------------------|---|-----|
| Acknowled | lgements | X |
| Chapter 1 | Combining Stones and Bones, Defining Form and Function, Inferring Lives and Roles Brad Gravina, Ryan J. Rabett and Krish Seetah | 1 |
| Part 1 Chapter 2 | Taphonomy and Technology When Bones are Not Enough: Lithic Refits and Occupation Dynamics in the Middle Palaeolithic Level 10 of Roca dels Bous (Catalonia, Spain) IGNACIO DE LA TORRE, JORGE MARTÍNEZ-MORENO AND RAFAEL MORA | 13 |
| Chapter 3 | Testing the Spatial Association of Lithic and Faunal Remains: a Case Study from the Lower Palaeolithic Site of Holon (Israel) Hervé Monchot, Michael Chazan and Liora Kolska Horwitz | 25 |
| Chapter 4 | The Palaeolithic Poor Relation? Taphonomic Approaches to Archaeofaunas and their Implication for the Study of European Lower Palaeolithic Subsistence Geoff M. Smith | 39 |
| Chapter 5 | Reconstructing Animal-butchering Technology: Slicing Cut Marks from the Submerged Pottery Neolithic Site of Neve Yam, Israel Haskel J. Greenfield and Liora Kolska Horwitz | 53 |
| Chapter 6 | Cause and Effect: the Impact of Animal Variables on Experimentally Produced Bone Lesions Shaw Badenhorst | 65 |
| Part 2 Chapter 7 | Raw Materials, Operational Sequences and Decision-making Guanaco Butchering by Hunter-gatherers from Isla Grande de Tierra del Fuego, Southern Patagonia A. Sebastián Muñoz | 75 |
| Chapter 8 | Diversity and Applications: Some Bone Tools from the Past to the Present in Southern Africa Ina Plug | 87 |
| Chapter 9 | Mammoth Bone Technology at Tocuila in the Basin of Mexico Eileen Johnson, Joaquin Arroyo-Cabrales and Luis Morett | 97 |
| Part 3 Chapter 10 | Subsistence and Cultural Practice Don't Smash Those Bones! Anatomical Representation and Bone Tool Manufacture in the Pampean Region (Argentina, South America) Daniel Loponte and Natacha Buc | 117 |
| Chapter 11 | Eating Your Tools: Early Butchery and Craft Modification of Primate Bones in Tropical Southeast Asia Ryan J. Rabett and Philip J. Piper | 131 |
| Chapter 12 | Prehistoric Hunter-gatherers in Transition: Environmental Adaptation or Social Transformation? FARINA STERNKE AND LAURENT-JACQUES COSTA | 143 |
| Index | | 161 |