CURRENT RESEARCH
IN THE PLEISTOCENE

Volume 26 2009

Editor
Ted Goebel
Center for the Study of the First Americans, Texas A&M University

Director & General Editor
Michael R. Waters
Center for the Study of the First Americans, Texas A&M University

Assistant Editor
Laurie Lind
Center for the Study of the First Americans, Texas A&M University

Associate Editors
Daniel S. Amick
Loyola University, Chicago, Illinois

David Anderson
University of Tennessee, Knoxville, Tennessee

Luis Alberto Borrero
DIPA-IMIHIHU, CONICET
Buenos Aires, Argentina

Loren Davis
Oregon State University, Corvallis, Oregon

Daniel Fisher
University of Michigan, Ann Arbor, Michigan

Ruth Gruhn
University of Alberta
Edmonton, Alberta, Canada

Gary Haynes
University of Nevada, Reno, Nevada

Bryan Hockett
U.S. Department of the Interior, Bureau of Land Management, Elko, Nevada

Masami Izuho
Sapporo Buried Cultural Property Center
Sapporo, Japan

Jason LaBelle
Colorado State University, Fort Collins, Colorado

Terri LaCourse
University of Victoria, Victoria, British Columbia, Canada

Bradley Lepper
Ohio Historical Society, Columbus, Ohio

Francisco Mena
Museo Chileno de Arte Precolombino
Santiago de Chile

Bonnie Pitblado
Utah State University, Logan, Utah

Frederic Sellet
University of Northern Colorado, Greeley, Colorado

Sergei Slobodin
Russian Academy of Sciences
Magadan, Russia

Thomas Stafford, Jr.
Stafford Research Laboratories, Inc.
Boulder, Colorado

David Yesner
University of Alaska
Anchorage, Alaska

A Peopling of the Americas Publication
Center for the Study of the First Americans
Department of Anthropology, Texas A&M University ■ 4352 TAMU
College Station, Texas
# Contents

## Archaeology: Latin America

Patterns in the Early Production of Lithic Artifacts at Agua de la Cueva—Sector Sur (Argentina)
*Alejandro García* .......................................................... 1

Early-Archaic Occupation (9265 CALYBP) on the Semiarid Coast of Chile
*Donald Jackson, Antonio Maldonado, and Matthieu Carré* ..................... 3

New Radiocarbon Dates from the Campo Laborde Site (Pampean Region, Argentina) Support the Holocene Survival of Giant Ground Sloth and Glyptodonts
*Pablo G. Messineo and Gustavo G. Politis* ........................................ 5

Crystal Quartz and Fishtail Projectile Points: Considerations on Raw-Material Selection by Paleo South Americans
*Hugo G. Nami* .................................................................... 9

Unifacial Fishtail Points: Considerations about the Archaeological Record of Paleo South Americans
*Rafael Suárez* .................................................................... 12

## Archaeology: Eurasia

New Data on the Early Upper Paleolithic of Northern Mongolia
*Sergei Gladyshev and Andrei Tabarev* .............................................. 17

Use-Wear Analysis of Sugikubo-type Points from the Uenohara site in Central Japan
*Akira Iwase* ......................................................................... 19

A New Upper Paleolithic Site in Kamchatka (Russia)
*Andrei V. Ptashinski* ................................................................ 22

On a Wedge-shaped Core Variation in Beringia
*Sergei B. Slobodin* ................................................................... 24

Broken Projectile Points from Mattobara, and Leaf-shaped Points Assemblages during the Late Upper Paleolithic in Japan
*Takuya Yamaoka* .................................................................... 27

Yankito, the Oldest Archaeological Site Cluster on the Kurile Islands (Russian Far East)
*Oksana V. Yanshina, Yaroslav V. Kuzmin, and G. S. Burr* ....................... 30

## Archaeology: North America

The Sinclair Site (40Wy111): A Clovis Quarry along the Buffalo River in Wayne County, Tennessee
*John B. Broster and Mark R. Norton* .................................................. 35

Paleoindian Occupations along the Clear Fork of the Brazos River, Jones County, Texas: The Cunningham Paleoindian Site
*Peter C. Condon, James M. Warnica, Jerry L. Bridwell, and Meghan R. Bruckse* .......... 37

Jackson-Gore: An Early-Paleoamerican Occupation in the Green Mountains of Vermont
*John G. Crock and Francis W. Robinson IV* ........................................ 40
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paleoarchaic Incised Stones from Barton Gulch, Southwest Montana</td>
<td>Leslie B. Davis, Matthew J. Root, Stephen A. Aaberg, and William P. Eckerle</td>
<td>42</td>
</tr>
<tr>
<td>Jasper Endscrapers from the Connecticut River Valley, Massachusetts</td>
<td>Christopher L. Donia, F. Timothy Barker, and Timothy L. Binzen</td>
<td>44</td>
</tr>
<tr>
<td>Wisconsin-Interstadial(?) Terminal-Pleistocene, and Early-Holocene Radiocarbon Dates from the Little John Site, Southwest Yukon Territory, Canada</td>
<td>Norman Alexander Easton, David R. Yesner, Vance Hutchinson, Peter Schnurr, and Christopher Baker</td>
<td>47</td>
</tr>
<tr>
<td>Bird and Fish Remains from Lime Hills Cave, SW Alaska</td>
<td>Neal Endacott and Robert E. Ackerman</td>
<td>51</td>
</tr>
<tr>
<td>A 9,000-year-old Paleocoastal Shell Midden at CA-SMI-527, San Miguel Island, California</td>
<td>Jon Erlandson, Nicole Dwyer, Todd Braje, and Jack Watts</td>
<td>54</td>
</tr>
<tr>
<td>Four Additional Fluted Points from Jakes Valley, Nevada</td>
<td>Mark B. Estes and Michael F. Rondeau</td>
<td>56</td>
</tr>
<tr>
<td>Last Canyon Cave: Late-Pleistocene Fauna and People</td>
<td>Olena Fedorchenko, Marcel Kornfeld, Judson B. Finley, and Mary Lou Larson</td>
<td>58</td>
</tr>
<tr>
<td>Exotic Clovis Stone Tools from the Topper Site, 38AL23, Allendale County, South Carolina</td>
<td>Albert C. Goodyear, Keith Derting, D. Shane Miller, and Ashley M. Smallwood</td>
<td>60</td>
</tr>
<tr>
<td>Clovis Obsidian Sources in the Central Rio Grande Rift Region of New Mexico</td>
<td>Marcus J. Hamilton, Bruce B. Huckell, and M. Steven Shackley</td>
<td>62</td>
</tr>
<tr>
<td>A Beveled Bone Rod from the Cody Component of the Lindenmeier Site</td>
<td>Kathleen Holen and Steven R. Holen</td>
<td>65</td>
</tr>
<tr>
<td>Beach: A Clovis Cache in Southwestern North Dakota</td>
<td>Bruce B. Huckell and J. David Kilby</td>
<td>68</td>
</tr>
<tr>
<td>San Patrice Projectile Points from the Hardwick Site, a Paleoindian Locality on the Southern High Plains of New Mexico</td>
<td>Stance Hurst, Jim Warnica, and Eileen Johnson</td>
<td>70</td>
</tr>
<tr>
<td>Folsom Bone Preservation at the Nash Site, a Waterlogged Context on the Southern High Plains</td>
<td>Eileen Johnson, Sarah Willett, and Paul N. Backhouse</td>
<td>73</td>
</tr>
<tr>
<td>The Cobden Connection: Early-Paleoindian Lithic Procurement and Settlement Mobility in the American Midwest</td>
<td>Brad Koldehoff and John A. Walthall</td>
<td>75</td>
</tr>
<tr>
<td>The French Connection? Or Is It?</td>
<td>Marcel Kornfeld and Andrei Tabarev</td>
<td>78</td>
</tr>
<tr>
<td>Geochemistry of Paleoindian and Early-Archaic Obsidian Artifacts from New Mexico and Colorado</td>
<td>Philippe D. LeTourneau and M. Steven Shackley</td>
<td>81</td>
</tr>
<tr>
<td>Possible Lithic Artifacts from 2005–07 Excavations at the Wenas Creek Mammoth Site</td>
<td>Patrick M. Lubinski, Patrick T. McCutcheon, Karl Lillquist, Morris Uebelacker, Bax R. Barton, and Jake T. Shapley</td>
<td>85</td>
</tr>
<tr>
<td>Flake Tools from the Folsom Type Site: Removing a Case of Mistaken Identity</td>
<td>David J. Meltzer and Bruce B. Huckell</td>
<td>87</td>
</tr>
<tr>
<td>A Study of Early-Paleoindian Settlement in the Coastal Plain of Alabama</td>
<td>Steven M. Meredith</td>
<td>89</td>
</tr>
<tr>
<td>Paleoamerican Utilization of the Green River Shell Middens: The Chiggerville Site (150H1), Kentucky</td>
<td>Christopher R. Moore</td>
<td>91</td>
</tr>
</tbody>
</table>
Gainey-phase Occupation of the Steinman Site, Madison County, Illinois
    Juliet E. Morrow and Brad Koldehoff .................................................. 93

A Newly Discovered Fluted Point from Northeastern Minnesota
    Stephen L. Mulholland, Susan C. Mulholland, and Larry Furo .......................... 95

Reevaluating Folsom Mobility and Land Use in New Mexico
    Matthew J. O’Brien, Susan M. Ruth, Christopher W. Merriman, and Bruce B. Huckell .......... 97

Recent Fluted-Point Finds in Eastern Oregon
    Patrick O’Grady, Scott P. Thomas, and Michael F. Rondeau .......................... 100

Two Cody-Complex Projectile Points from the Valles Caldera National Preserve, New Mexico
    Ariane O. Pinson, Jeremy T. Decker, and Richard E. Hughes .......................... 103

Establishing a Baseline Paleoamerican Record for Southeastern Idaho
    Bonnie L. Priblado and Emily Lena Jones ................................................ 106

CIEP and RIA Protein-Residue Analysis on Fluted Points from Northern Alaska
    Joshua D. Reuther, S. Craig Gerlach, and Jerold M. Lowenstein .......................... 109

The Twain Harte Fluted Point, Tuolumne County, California
    Michael F. Rondeau and John W. Dougherty ............................................ 112

Early Paleoamericans in Southern Idaho: The Buried Beach Site
    Paul Santarone and E. S. Lohse ......................................................... 113

Obsidian Procurement and Use at the Dry Creek Site (HEA-005), Interior Alaska
    Natalia S. Slobodina, Joshua D. Reuther, Jeff Rasic, John P. Cook, and Robert J. Speakman ........ 115

Reworked Clovis Biface Distal Fragments from the Topper Site, 38AL23: Implications for Clovis Technological Organization in the Central Savannah River Region
    Ashley M. Smallwood and Albert C. Goodyear........................................... 118

Additional Results from the XRF Analysis of Pre-Archaic Artifacts from Last Supper Cave, Nevada
    Geoffrey M. Smith .......................................................... 120

Old Points in a New Place: Paleoindian Projectile Points of the Valles Caldera, New Mexico
    Anastasia Steffen, Jeremy T. Decker, Philippe D. LeTourneau, and Richard E. Hughes ........ 123

Late-Pleistocene Occupations in the Lake Koshkonong Region, Southeastern Wisconsin
    Daniel M. Winkler and Robert J. Jeske .............................................. 126

Taphonomy

Taphonomic Effects of Burning on Ivory: Preliminary Results
    Barry W. Baker, John D. DeHaan, Darrell Hegdahl, Jim A. Chamberlain, and Edgard O. Espinoza ........ 129

Microwear on a Probable Burnishing Tool of Pre-Clovis Age from SV-2 (44SM37), Virginia
    Jerry N. McDonald .......................................................... 132

Paleoenvironments: Plants

A Nonsiliceous Algae Sequence from Rocky Run Road Channel Lake, Portage County, Wisconsin
    James K. Huber ......................................................... 137

Evidence of Late-Pleistocene Monte Formation in Central West Argentina
    Eduardo Martínez Carretero, Alejandro Garcia, and Mariana Dacar ........................ 139
Paleoenvironments: Vertebrates and Invertebrates

Fossil Birds of the Crowfield Local Fauna, Late Pleistocene (Rancholabrean), South Carolina
Robert M. Chandler and James L. Knight ........................................... 143

Opal Phytoliths from Teeth Calculus in the Mammoths of the Hot Springs Site, South Dakota
Carlos E. Cordova and Larry D. Agenbroad ........................................ 145

Rodents and Lagomorphs (Mammalia) from the Late-Pleistocene Deposits at Valsequillo, Puebla, Mexico
Valeria Cruz-Muñoz, Joaquin Arroyo-Cabrales, and Russell W. Graham .......... 147

Bison cf. B. latifrons from the Late-Pleistocene Broach Locality, Fresno, California
Robert G. Dundas, Yesenia Ibarra, Frederika J. M. Harmsen, and Peter K. Van de Water .. 149

A New Pleistocene Faunal Assemblage from Morrill Cave, Sullivan County, Tennessee:
A Preliminary Discussion of the Arvicoline Rodents
Patrick L. Hawkins, Steven C. Wallace, and Blaine W. Schubert .................. 152

New Late-Pleistocene Dates for the Extinct Megafauna of Lagoa Santa, Brazil
Alex Hubbe, Mark Hubbe, and Walter Alves Neves .................................. 154

A Preliminary Report on a Bison bison occidentalis Cranium from Sauk County, Wisconsin
Steven R. Kuehn .......................................................... 157

Did Female Mastodons Have Mandibular Tusks? Some Additional Data
Richard S. Leub .......................................................... 159

First Record of Late-Pleistocene Turtles from Chiapas, Mexico
Josué R. Luna-Espinosa and Gerardo Carbot-Chanona ................................ 162

Presence of Late-Pleistocene Rheidae in the Oasis of Calama (Second Region, Chile)
Ismael Martínez R., Isabel Cartajena F., and Patricio López M. .................... 164

New Records for the Pleistocene Mammal Fauna from Loltun Cave, Yucatán, México
Fabiola Montserrat Morales-Mejía, Joaquin Arroyo-Cabrales, and Oscar J. Polaco ........ 166

Late-Pleistocene Peccaries from Guy Wilson Cave, Sullivan County, Tennessee
April S. Nye, Blaine W. Schubert, and Steven C. Wallace ........................ 169

A Gomphothere from Lake Pátzcuaro, Michoacán, México
Jasinto Robles-Camacho, Pedro Corona-Chávez, Miguel Morales-Gámez, Ana Fabiola Guzmán,
Gabriela Domínguez-Vázquez, Isabel Israde-Alcántara, and Arturo Oliveros-Morales .......... 172

Early-Pleistocene Glaciations in Argentina (South America) and the Response of Mammals: The Case of the Pampean Region
Esteban Soibelzon and Eduardo P. Tonni ............................................. 175

Last Glacial Maximum Fauna from Great Salt peter Cave, Kentucky
Kenneth B. Tankersley, Brian Lane, Dean J. Wells, Christine Hamburg, and Andras Nagy ...... 177

First Data on Late-Pleistocene Rodents from Central Arid Patagonia as Paleoenvironmental Indicators
Pablo Teta, Daniel E. Udriarz Sauthier, and Ulyses F. J. Pardiñas .................. 180

A Middle-Pleistocene Interglacial Faunal Assemblage in Southeastern Buenos Aires Province, Argentina
Eduardo P. Tonni .......................................................... 182

American Mastodon (Mammuth americanum) in the Rancho La Brea Collection of the University of California Museum of Paleontology
Robin B. Trayler and Robert G. Dundas ............................................. 184

Southernmost Records of the Brown Lemming (Lemmus sp.) during the Late Pleistocene:
Implications for Re-colonization after Glacial Retreats
Steven C. Wallace .......................................................... 186
Paleoenvironments: Geosciences

Developing a Geospatial Database of Playas within the High Plains of Kansas
   Mark W. Bowen, William C. Johnson, Scott T. Klopfenstein, and John W. Dunham. ......... 191

Late-Pleistocene/Early-Holocene Boundary, Buried Soils, Loess, and Alluvium throughout the Bull Creek Drainage, Oklahoma Panhandle
   Travis O. Conley, Brian J. Carter, and Leland C. Bement. ........................................ 193

Geology of Mammoth (Mammuthus) Fossils on the Western Snake River Plain, Idaho
   Christopher L. Hill. ........................................................................................................ 195

Micromorphological Investigations at the Tarkio Valley Sloth Site, Page County, Iowa
   Richard L. Josephs. ........................................................................................................ 198

Call for Papers .................................................................................................................. 203

Information for Contributors .......................................................................................... 205

Author Index .................................................................................................................... 211

General Index ................................................................................................................... 213

Pre-order Form for Current Research in the Pleistocene, Vol. 27 .................................... 227

Order Form for Back Issues of Current Research in the Pleistocene ............................... 229