

Contents

From the Editor	vii
Archaeology	
The Lime Ridge Clovis Site <i>W.E. Davis and G.M. Brown</i>	1
Western Clovis Occupation in Southcentral Oregon: Archaeological Research at the Dietz Site 1983 to 1985 <i>J.L. Fagan</i>	3
Geoarchaeological Investigations at Nipper Creek, Richland County, South Carolina <i>A.C. Goodyear, D.J. Colquhoun, R.Y. Wetmore, and P.A. Cridlebaugh</i>	5
The 1949 Bone Bed from the Carbonaceous Unit at Blackwater Draw Locality #1 <i>E. Johnson</i>	7
The Milnesand and Ted Williamson Paleoindian Sites, East-Central New Mexico <i>E. Johnson, V.T. Holliday, J. Warnica, and T. Williamson</i>	9
The Paleoindian Occupation of the Central Muskingum River Basin, Coshocton County, Ohio <i>B.T. Lepper</i>	11
Paleoindian Site Density within Bradford County, Pennsylvania <i>R.J. McCracken</i>	13
Late Pleistocene-Early Holocene Land-use Patterns at Robbins Swamp, Southwestern New England, USA: 1983-1985 Field Season <i>G.P. Nicholas</i>	15
A Late Pleistocene and Holocene Archaeological Sequence in Central Maine <i>J.B. Petersen</i>	16
Late Paleoindian Remains from Maine <i>J.B. Petersen, N.D. Hamilton, R.A. Doyle, and D. Sanger</i>	19
The Late Quaternary Hiscock Site, Genesee County, New York: Progress Report <i>D.W. Steadman, R.S. Laub, and N.G. Miller</i>	22
The Sycamore Site 1985: an Update <i>H.J. Tucci</i>	24
Archaeological Investigations of Durham Cave #2 <i>H.J. Tucci</i>	25
Lithic Studies	
Age and Source Analysis for Obsidian Hell Gap Complex Artifacts in the Montana Rockies <i>L.B. Davis</i>	27
A Chert Sickle from the Arc Paleoindian Site, Western New York <i>R.M. Gramly and S. Vanderlaan</i>	29
Early Man Lithic Studies at San José, Ecuador <i>W.J. Mayer-Oakes and A.W. Portnoy</i>	31

A Study of Texas Clovis Points <i>D.J. Meltzer</i>	33
Preliminary Analysis of the Lithic Collection of the La Moderna Site, Argentina <i>G.G. Politis and D.M. Olmo</i>	36
Methods	
San Diego Research and Chronology Revisited <i>G.W. Berger and D.J. Huntley</i>	39
A Reassessment of a Hearth-like Feature at the Calico Site Using Thermo- luminescence, Electron Spin Resonance, Paleomagnetic, and 40-39 Argon Techniques <i>F.E. Budinger, J.L. Boley, and A.R. Gillespie</i>	40
Replication and the History of Paleoindian Studies <i>R.A. Rogers and L.D. Martin</i>	43
Taphonomy-Bone Modification	
Spiral Fractures and Cut Mark-Mimics in Noncultural Elephant Bone Assemblages <i>G. Haynes</i>	45
Scanning Electron Microscope Studies of Bone Modification <i>E. Johnson and P. Shipman</i>	47
The Giant Bear <i>Arctodus</i> as a Potential Breaker and Flaker of Late Pleistocene Megafaunal Remains <i>M.R. Voorhies and R.G. Comer</i>	49
Paleoenvironments: Plants	
Late Pleistocene Vegetation of the Southern High Plains: a Re-appraisal <i>V.T. Holliday</i>	53
Paleoenvironments: Invertebrates	
Ostracode Biostratigraphy and Paleocology of the Late Pleistocene Manix Formation <i>G.T. Jefferson and J.J. Steinmetz</i>	55
Mid-Wisconsin Aridity in Northern Alaska: Incongruity of Mesic Pollen Record and Xeric Insect Indicators <i>R.E. Nelson</i>	57
Molluscan Faunas from Radiocarbon-dated Intertill Sites in Southwestern Ohio <i>B.B. Miller</i>	59
Paleoenvironments: Vertebrates	
A Mammoth Measure of Time: Molar Compression in <i>Mammuthus</i> from the Old Crow Basin, Yukon Territory, Canada <i>C.S. Churcher</i>	61
<i>Hippidion</i> : New Data on the Now Extinct American Horse in Northwest Argentina: Paleoenvironmental and Paleoclimatic Implications <i>J. Fernandez</i>	64
A New Specimen of Tapir from Rancho La Brea <i>G.T. Jefferson</i>	68
New Articulated Vertebrate Remains from Rancho La Brea <i>G.T. Jefferson, and S.M. Cox</i>	70
New Locations of Extinct Megafauna and Plant Community Associations, Rancholabrean, Southeastern Utah <i>J.I. Mead and L.D. Agenbroad</i>	72

Biological and Archaeological Information in Coprolites from an Early Site in Patagonia <i>M.J. Figuerero Torres</i>	74
<i>Ochotona</i> in the Late Pleistocene of the Niobrara Valley, Nebraska: Paleoenvironmental Significance <i>M.R. Voorhies</i>	76
Paleoenvironments: Geosciences	
Geoarchaeological Investigations at the Cummins Paleoindian Site, Thunder Bay, Ontario <i>P.J. Julig, J. McAndrews, and W.C. Mahaney</i>	79
Stratigraphic and Pedologic Evidence for a Relatively Moist Early Holocene on Black Mesa, Northeastern Arizona <i>E.T. Karlstrom</i>	81
Geoarchaeological Investigations in the Lower Kansas River Basin <i>B. Logan, and W.C. Johnson</i>	84
Missouri River Trench and Terrace Sequence, North-Central South Dakota <i>M. McFaul</i>	86
Paleoenvironmental Studies in the Guayana Region, Southeast Venezuela <i>C. Schubert</i>	88
Regional Focus—Asia	
Map of Asia	91
Hunting Strategies of Late Paleolithic Man in Northeast China <i>P. Jiang and C.-K. Ho</i>	92
Some Key Characteristics of Japanese Pleistocene Archaeology <i>C.T. Keally</i>	94
A Terminal Pleistocene Salmon-Fishing and Lithic Worksite at Maeda Kochi, Tokyo, Japan <i>C.T. Keally and H. Myazaki</i>	96
Seasonality and Site Structure of Late Paleolithic Sites from Northeast China <i>Y.-Z. You, Q.-Q. Xu, Y. Li, and C.-K. Ho</i>	97
Two Earliest Paleolithic Sites in Northeast China <i>Z.-H. Zhang and C. Chen</i>	102
Dissertations	109
Author Index	113
General Index	115
Information for Contributors	115