

Contents

From the Editor	vii
 Archaeology	
Paleoindian-Archaic Range Shifts in Eastern Nevada <i>C. Beck and G. T. Jones</i>	1
Engraved Cobbles from the Gault Site, Central Texas <i>M. B. Collins, T. R. Hester, and P. J. Headrick</i>	3
Excavations at the Bolton Site: An Early Paleoindian Crowfield Phase Site in Southwestern Ontario <i>D. B. Deller and C. Ellis</i>	4
CA-SRI-1: A "Pleistocene" Shell Midden on Santa Rosa Island, California <i>J. Erlandson and D. Morris</i>	7
New Evidence for Paleoindians on the Continental Shelf of Northwestern Florida <i>M. K. Faught, J. S. Dunbar, and S. D. Webb</i>	11
Early Occupations at Agua de la Cueva—Sector Sur, Province of Mendoza, Argentina <i>E. A. García</i>	13
The Denali Complex at Panguingue Creek, Central Alaska <i>T. Goebel and N. Bigelow</i>	15
Archaeological and Pedological Investigations at Smiths Lake Creek (38AL135), Allendale county, South Carolina <i>A. C. Goodyear</i>	18
Paleoindian Archaeology at McFaddin Beach, Texas <i>T. R. Hester, M. B. Collins, D. A. Story, E. S. Turner, P. Tanner, K. M. Brown, L. D. Banks, D. Stanford, and R. J. Long</i>	20
Folsom Occupation at the Waugh Site in Northwestern Oklahoma <i>J. L. Hofman, B. J. Carter, and M. Hill</i>	22
Re-investigations of Sheguiandah Site Geochronology and Geoarchaeology <i>P. J. Julig, P. Storck, W. C. Mahaney, and R. Buekens</i>	25
Japan's "Early Paleolithic": A Changing Controversy <i>C. T. Keally</i>	27
Paleoindian Occupation at Piedra Museo Locality, Santa Cruz Province, Argentina <i>L. Miotti</i>	30
Additional Blades from Blackwater Draw Locality No. 1, Portales, New Mexico <i>J. Montgomery and J. Dickenson</i>	32
The Puckett Site (40SW228): A Paleoindian/Early Archaic Occupation on the Cumberland River, Stewart County, Tennessee. <i>M. R. Norton and J. B. Broster</i>	34

Butler 1991: Excavations at a Fluted Point Site in the Central Great Lakes (20 GS 104)	
<i>D. B. Simmons and H. T. Wright</i>	35
Recent Investigations at the Thomson Site Complex, Ontario, Canada	
<i>P. L. Storch</i>	38
Upland Stratigraphy and Paleoindian Contexts at the Bostrom Site, St. Clair County, Illinois	
<i>K. B. Tankersley and E. R. Hajic</i>	40
The Richard Beene Site: A Deeply Stratified Paleoindian to Late Prehistoric Occupation in South-Central Texas	
<i>A. V. Thoms and R. D. Mandel</i>	42
Big Lake: A Playa Bison Kill Site in West Texas	
<i>S. A. Turpin, L. C. Bement, and H. H. Eling, Jr.</i>	45
The Cody Complex in Eastern Oklahoma's Arkansas Basin	
<i>D. G. Wyckoff</i>	47
The Ohira Site: A Probably "Early Paleolithic" Site in Fukushima Prefecture, Eastern Japan	
<i>T. Yanagida</i>	50
Archaeology and Paleoecology of the Broken Mammoth Site, Central Tanana Valley, Interior Alaska, USA	
<i>D. R. Yesner, C. E. Holmes, and K. J. Crossen</i>	53

Physical Anthropology

A Multivariate Craniometric Analysis of North American Paleoindian Remains	
<i>J. F. Powell and D. G. Steele</i>	59

Lithic Studies

Morphological and Distributional Characteristics of the Burnham Site Lithics	
<i>K. J. Buehler</i>	63
Folsom Use of Alibates and Edwards Cherts: Raw Material Procurement and Technological Organization	
<i>P. D. LeTourneau</i>	66

Methods

Microclimate of Relic Steppes of the North-East of Asia and Pleistocene Climate Reconstruction	
<i>A. V. Alfimov and D. I. Berman</i>	71
The Paleozoology Laboratory (México) and Its Role in Quaternary Studies	
<i>J. Arroyo-Cabrales and O. J. Polaco</i>	73
Hair from Mammoth Meadow II, Southwestern Montana	
<i>R. Bonnicksen, C. W. Bolen, M. Turner, J. C. Turner, and M. T. Beatty</i>	75
Preliminary Oxygen Isotope Evidence for Late Pleistocene-Early Holocene Climatic Change	
<i>C. B. Bousman</i>	78
Luminescence Dating of Eolian Deposits in the Mojave Desert—Initial Results	
<i>N. Lancaster, A. G. Wintle, and H. Rendell</i>	80

Holocene Paleoclimatic Reconstruction in the Laguna de Babicora Basin, Chihuahua State, Northwest of Mexico <i>J. Ortega-Ramírez, R. Sánchez-Hernández, and O. H. Jiménez-Salas.</i>	82
Progress on Modeling Local Climate of the Southwest at 18 ka <i>J. F. Stamm, R. Orndorff, and R. G. Craig.</i>	84
Paleoenvironments: Plants	
Preliminary Pollen Analysis of Cores from the Northern Gulf of California <i>O. K. Davis, T. Jull, and L. Keigwin.</i>	87
Preliminary Results of a Nonsiliceous Algae Record from Cloquet Lake, Lake County, Minnesota, USA <i>J. K. Huber.</i>	89
Reexamination of the Cool/Mesic Interpretation of the "Altithermal" Mud Creek Local Fossil Biota, Eastern Iowa <i>P. J. Thorson.</i>	92
Paleoenvironments: Vertebrates	
A New Late Wisconsinan Record of Wolverine from Southwestern Nebraska <i>C. L. Burres.</i>	95
Preliminary Report on the Fossil Bears of El Capitan Cave, Prince of Wales Island, Alaska <i>T. H. Heaton and F. Grady.</i>	97
A Reinvestigation of the Burntwood Creek Bison Bonebed <i>M. E. Hill, Jr., J. L. Hofman, and L. D. Martin.</i>	99
The M_1 in <i>Panthera Leo Atrox</i> , an Indicator of Sexual Dimorphism and Ontogenetic Age <i>G. T. Jefferson.</i>	102
Positional and Ordinal Identification of the Teeth of <i>Mammot Americanum</i> <i>R. S. Laub.</i>	105
Skeletal Remains of a Juvenile <i>Bison</i> sp. (Extinct Bison) from the Page Museum Salvage, Rancho La Brea <i>P. R. Owen.</i>	109
Diddly Cave: A New Late Quaternary Vertebrate Fauna from New York State <i>D. W. Steadman, L. J. Craig, and J. Bopp.</i>	110
Stable Carbon Isotope Ratios of <i>Equus</i> sp. and <i>Bison Antiquus</i> from the Late Pleistocene Deposits at Hall's Cave, Kerr County, Texas <i>R. S. Toomey, J. A. Huebner, and T. W. Boutton.</i>	112
Mastodon Digesta from North Florida <i>S. D. Webb, J. Dunbar, and L. Newsom.</i>	114
Paleoenvironment: Invertebrates	
Fossil Molluscs from Pre-Illinoian Sediments of the Buried Mahomet Valley, Central Illinois <i>B. B. Miller, P. Reed, J. E. Mirecki, and W. D. McCoy.</i>	117
Paleoenvironments: Geosciences	
Late Quaternary Sedimentation and Geoarchaeology Of Palo Duro Creek, Hansford County, Texas <i>C. D. Frederick and J. M. Quigg.</i>	119

Geoarchaeological Investigations in the Vicinity of the Little River
Paleoindian Site Complex: 1991 Season
A. K. L. Freeman and E. E. Smith, Jr.121

The Study of Fractured Rock in Alluvial Deposits
L. W. Patterson.123

Optical Dating of Independently Dated Late Quaternary Eolian Deposits
from the Southern High Plains
S. Stokes.125