



Southeastern Association of Vertebrate Paleontology
11th Annual Conference
Aurora Fossil Museum, Aurora, North Carolina, U.S.A.
May 23-27, 2018

9:00 a.m. Technical Session

THE *DIMETRODON* DILEMMA: REASSESSING POSTURE IN SPHENACODONTS
Caroline Abbott

LATE CRETACEOUS MULTITUBERCULATES OF THE CAROLINAS
Robert K. Denton

LUNGFISH TOOTH PLATES (SARCOPTERYGII: DIPNOI) FROM THE LATE
CRETACEOUS (SANTONIAN) EUTAW FORMATION OF ALABAMA AND MISSISSIPPI,
USA

Dana J. Ehret and T. Lynn Harrell, Jr.

INSIGHTS ON THE SYSTEMATICS AND PALEOBIOLOGY OF THE FAMILY
PENTACODONTIDAE FROM CRANIODENTAL EVIDENCE

Ethan L. Fulwood, Doug M. Boyer, Jonathan I. Bloch

A MIDDLE EOCENE CLIMATE OPTIMUM (MECO) AGE RAIN FOREST & MANGROVE
COMMUNITY FROM THE GULF COASTAL PLAIN

James Westgate

NEW FOSSILS FROM THE OLIGOCENE OF SOUTH CAROLINA CLARIFY THE
IDENTITY OF "*SQUALODON*" *TIEDEMANNI* AND THE POSTCRANIAL EVOLUTION OF
EARLY ODONTOCETES

Robert W. Boessenecker, Morgan Churchill, Brian L. Beatty, Jonathan H. Geisler

PALEONTOLOGY AND STRATIGRAPHY OF THE LEE CREEK MINE, AURORA, NC
Lauck W. Ward

MAMMALIAN FAUNAS, ECOLOGICAL INDICES, AND MACHINE-LEARNING
REGRESSION FOR THE PURPOSE OF PALEOENVIRONMENT RECONSTRUCTION IN
THE MIOCENE OF SOUTH AMERICA

Jackson P. Spradley, Bryan E. Glazer, Richard F. Kay

NEW RECORDS OF TUSKED WALRUSES (CARNIVORA: ODOBENIDAE:
ODOBENINAE) FROM THE LATE MIOCENE AND EARLY PLIOCENE OF FLORIDA
Richard C. Hulbert Jr.

MAMMALIAN COMMUNITY STRUCTURE OF THE EARLY PLIOCENE AGE GRAY
FOSSIL SITE IN TENNESSEE

Joshua X. Samuels, Julia Schap, Emily Bogner



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ECOMETRIC ANALYSIS OF UNGULATES AT THE GRAY FOSSIL SITE

Jarod Duckworth and Joshua X. Samuels

THE GRAY FOSSIL SITE MASTODON MANUS WITH COMPARISON TO OTHER
PROBOSCIDEANS

Brenna Hart, Steven Wallace, Chris Widga

A NEW GENUS OF PLETHODONTID SALAMANDER FROM THE GRAY FOSSIL SITE
OF TENNESSEE

R. Davis Gunnin, Blaine W. Schubert, Keila E. Bredehoeft, Joshua X. Samuels

A SURPRISINGLY YOUNG RECORD OF THE EXTINCT WALRUS *ONTOCETUS*
EMMONSI FROM THE EARLY PLEISTOCENE WACCAMAW FORMATION, SOUTH
CAROLINA, AND A REVIEW OF NORTH ATLANTIC WALRUS BIOCHRONOLOGY

Sarah Boessenecker, Robert Boessenecker, Jonathan Geisler

OREGON CAVES NATIONAL MONUMENT URSID MATERIAL AND USING MOLAR
LENGTH MEASUREMENTS AS A PROXY FOR DISTINGUISHING BLACK BEARS
(*URSUS AMERICANUS*) AND BROWN BEARS (*URSUS ARCTOS*)

Emily L. Bogner, Blaine W. Schubert, Joshua X. Samuels

NEWLY COLLECTED MATERIAL FROM STARR CHAPEL CAVE REVEALS FURTHER
PRESENCE OF ICE AGE FAUNA IN NORTHWESTERN VIRGINIA

Alexander K. Hastings, David A. Hubbard, Jr., Fred Grady, Raymond G. Vodden

TOURISM AND THE PLEISTOCENE: MAKING FOSSILS COOL FOR THE AVERAGE
CITIZEN

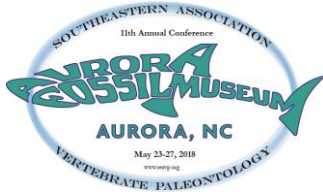
Ashby Gale

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PLATINUM AND TIN-BASED SILICONE RUBBER MOLD LIFESPAN UNDER HIGH
AND LOW STRESS CONDITIONS

Matthew Eads, Andrew Heckert



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4:00 p.m. Poster Session

A WELL-PRESERVED SQUIRRELFISH THE COON CREEK FORMATION (LATE CRETACEOUS), WESTERN TENNESSEE

Michael A. Gibson, Brandt M. Gibson, and Kesley J. Gibson

PATHOLOGICALLY RIDDLED SPECIMEN OF *THECACHAMPSA ANTIQUUS*

Donald Morgan

A REVIEW OF CAMELID MATERIAL FROM THE EARLY PLIOCENE GRAY FOSSIL SITE, EASTERN TENNESSEE

Shayleigh Maden

LEPORIDS OF THE EARLY PLIOCENE AGE GRAY FOSSIL SITE OF TENNESSEE

Julia Schap, Joshua X. Samuels 11th Annual Conference

THE CONVERGENCE CONUNDRUM: ADDRESSING MORPHOLOGICAL CONVERGENCE IN NORTH AMERICAN TALPIDS

Danielle E. Oberg and Joshua X. Samuels

DIGITIZING DISCOVERIES: INFOGRAPHICS FOR PALEONTOLOGY

Julie Midkiff and Lori Midkiff

TOUCH-A, TOUCH-A, TOUCH-A, TOUCH ME! FABRICATED 3D OBJECTS FOR HANDS-ON MUSEUM EXPLORATION

Tiernan VanDyke, Sarah Michalies, Robert Boessenecker

AVOCATIONAL PALEONTOLOGY OUTREACH EFFORTS IN SOUTHWEST FLORIDA

Chuck Ferrara

BRINGING THE LOWCOUNTRY'S NATURAL HISTORY TO LIFE BY UTILIZING STEM CONCEPTS AND TIERED LABELING

Matthew Gibson and Jessica Peragine