

ADVANCES IN PALEOBOTANY CONFERENCE PROGRAM

SUNDAY, MARCH 12, 2006

Sunday afternoon, 1:00 to 5:00 PM: *Dickinson Hall* (Florida Museum of Natural History--*Research Building*), open for check-in -- pick up program, abstract book, name badge.

Sunday evening 6:30-7:00 PM: *Powell Hall* (Florida Museum of Natural History--*Exhibition Building*), open for check-in -- pick up program, abstract book, name badge.

Sunday evening, 7:00-9:00: Welcoming Wine & Cheese Reception, *Powell Hall* (Florida Museum of Natural History -- *Exhibition Building*), sponsored by the Museum Director's office.

MONDAY, MARCH 13

7:30. Coffee and donuts (upload morning presentations; mount posters).

8:00. Welcome by Director, Florida Museum of Natural History, **Douglas S. Jones**, and announcements.

Morning lectures, **Robyn Burnham**, presiding.

8:10-8:30. **Bonnie Jacobs***, **Neil Tabor**, **Aaron Pan**. Making progress looking back: paleoclimate reconstruction in Tropical Africa.

8:30-8:50. **David R. Greenwood**. North American Eocene leaves and climates: from Wolfe and Dilcher to Wing and Wilf.

8:50-9:10. **Alexei B. Herman***, **Maria G. Moiseeva**, **Robert A. Spicer**, **Anders Ahlberg**, **David W. Jolley**. Floristic development in the Paleocene High Arctic.

9:10-9:30. **Judith Totman Parrish**. The impact of Jack A. Wolfe's work on Palaeoclimatology-a paleoclimatologist's view.

9:30-9:50. **Scott L. Wing**. Floral change in response to global warming at the Paleocene-Eocene boundary.

9:50-10:20 BREAK

10:20-10:40. **Robert A. Spicer**. Recent Developments with CLAMP.

10:40-11:00. **Qi-gao Sun**. Progress of physiognomic study in China.

11:00-11:20. **Ralph E. Taggart***, **Aureal T. Cross**. Spatial and temporal factors in the recognition and characterization of large-scale vegetation disturbance in the fossil record.

11:20-11:40. **Dana Royer***, **Peter Wilf**. Digital leaf physiognomy and its potential to quantify paleoclimate and paleoecology.

11:40-11:50 GROUP PHOTO ASSEMBLY
11:50-1:30 LUNCH

Monday afternoon lectures, **Margaret E. Collinson**, presiding.

1:30-1:50. **Torsten Utescher***, **Volker Mosbrugger**, **David L. Dilcher**, **Vladimir Bozukov**, **Dimitar Ivanov**, **Abdul R. Ashraf**. Climate change and variability in the Cenozoic of Central and Eastern Europe - present-day climate equivalents.

1:50-2:10. **Volker Mosbrugger**. Synthetic floras--possibilities in (palaeo-) environmental research.

2:10-2:30. **Johanna Kovar-Eder***, **Lilla Hably**. The flora of Mataschen (Styria, Austria) – Indications of largely evergreen zonal vegetation at about 11 M.Y. in Central Europe.

2:30-2:50. **Estella B. Leopold***, **Gengwu Liu**, **Linda Reinink-Smith**. Building on Jack Wolfe's Neogene floras of Alaska.

2:50-3:10. **Jeffrey A. Myers***, **Diane M. Erwin**, **Howard E. Schorn**. Navigating the Neogene: Updating the paleobotanical record of the later Cenozoic in the Far West.

(LECTURES RESUME, 4:00)
POSTER SESSION, MONDAY 3:10-4:00

Clement G. Chase, **M. Robinson Cecil***, **Jack A. Wolfe**. Geologic and stratigraphic context of paleoflora from Eocene River Systems, Northern Sierra Nevada, California

Timme Donders*, **Friederike Wagner**, **David L. Dilcher**, **Henk Visscher**. Mid- to late-Holocene El Niño-Southern Oscillation dynamics reflected in subtropical Southern-Florida

Regan E. Dunn*. Preliminary Comparison of Insect Herbivory and Richness from Analysis of Insect Damage on Floras from the Middle Eocene Clarno Formation and the Early Oligocene Bridge Creek Flora of the Lower John Day Formation, Eastern Oregon

Beth L. Ellis*, **Kirk R. Johnson**, **Carol Hutton**, **Richard S. Barclay**, **Marieke Dechesne**. Spatial and temporal distribution patterns of fossil plants from the Denver Basin, Colorado: a fresh look at the Denver Basin flora.

Darren R. Gröcke*, **Gregory A. Ludvigson**, **Brian L. Witzke**, **R. Matt Joeckel**, **David F. Ufnar**, **Martin C. Knyf** and **Robert L. Ravn**. Recognizing the Albian–Cenomanian (OAE1d) sequence boundary using plant carbon isotopes: Dakota formation, Western Interior Basin, USA.

Jay H. Jones*. Studies on the mechanism of chemical resistance in fossil cuticle.

Jennifer H. Jones*, **Jay H. Jones**. A preliminary paleoclimatic assessment of the Middle to Upper Eocene of central Wyoming based on a fossil wood assemblage.

Martin C. Knyf, **Amy C. Reynolds**, **Darren R. Gröcke***. Intra-leaf $\delta^{13}C$ variation of modern and fossil leaves: implications for palaeobotany, palaeoclimatic and palaeoenvironmental studies.

Elizabeth Kowalski*, **Jonathan Bloch**. Fossil plants from the Torrejonian-Tiffanian transition (Early to Late Paleocene) from the Crazy Mountains Basin, Montana, USA.

Harufumi Nishida*, **Kazuhiko Uemura**, **Masaaki Okuda**, **Kazuo Terada**, **Takeshi Asakawa**, **Atsushi Yabe**, **Toshihiro Yamada**, **Luis Felipe Hinojosa**. Preliminary report on plant containing calcareous nodules possibly from Paleocene Chorrillo Chico Formation of Magallanes region, Chile.

Kazuhiko Uemura. Early Miocene floras in eastern Asia and their paleoclimatic implications.

Erika L. Ortiz Martínez, **Maria Patricia Velasco de León*** *Cercocarpus* leaves in the Tertiary sediments of Santa Maria Amajac, Hidalgo, Mexico.

LECTURES RESUME 4:00

Monday late afternoon lectures, **Scott L. Wing**, presiding.

4:00-4:20. **David Christophel***, **Peter Gordon**, **Tuyen Nguyen**. Foliar physiognomy and taphonomy: Keys to unlocking Australia's fossil rainforests.

4:20-4:40. **Jiří Kvaček**. Cenomanian plant palaeoecology of the Bohemian Massif, central Europe.

4:40-5:00. **Walton A. Green**. Pairs plots and correlograms: graphical methods for analyzing correlated, multivariate leaf architectural data.

5:00-5:20. **Herbert W. Meyer***, **Deborah Woodcock**, **William McIntosh**, **Nelia Dunbar**. Fossil woods and leaves from el Bosque Paleontologico Piedra Chamana, Peru: implications for vegetation and climate, and measures for conservation.

5:30-6:20. Bivens North Lake House (5 minutes walk north from Paramount Hotel) open, with refreshments on the house.

6:30. **Monday evening banquet**, Paramount Plaza Hotel: **Remembering Jack A. Wolfe**.

Monday late evening. Bivens North Lake House (5 minutes walk from Hotel) open for gathering, refreshments on the house.

TUESDAY, MARCH 14

Tuesday morning session, **Carlos Jaramillo**, presiding.

8:00-8:20. **Patrick S. Herendeen**. The fossil record of the Leguminosae: recent advances.

8:20-8:40. **Margaret E. Collinson**. Across the pond: Ongoing research on ancient wetland plants.

8:40-9:00. **Kathleen B. Pigg***, **Melanie L. DeVore**. East meets West: the contrasting contributions of David L. Dilcher and Jack A. Wolfe to Eocene systematic paleobotany in North America.

9:00-9:20. **William L. Crepet**. From Paris (Tennessee) to Perth Amboy: how studies of fossil flowers began in earnest and have changed since 1975.

9:20-10:00. **Thomas Denk, Richard M. Dillhoff***. *Ulmus* from the Early-Middle Eocene of Pacific northwestern North America: Systematics and implications for character evolution within Ulmaceae.

10:00-10:30 BREAK

10:30-11:00. **Gary R. Upchurch*, D. J. Beerling, B. H. Lomax**. Paleobotanical evidence on environmental change at the Cretaceous-Tertiary boundary, North America.

11:00-11:20. **Kirk R. Johnson*, Peter Wilf**, N. Rubén Cúneo, Maria A. Gandolfo, Ari Iglesias, Cynthia C. González, Conrad C. Labandeira. Advances in the Paleogene paleobotany of Patagonia, Argentina.

11:20-11:40. **Paula J. Mejia*, David L. Dilcher, Carlos Jaramillo**. Early angiosperm evolution in tropical latitudes inferred from Cretaceous palynofloras.

11:40-12:00. **Paul J. Grote**. A remarkable plant assemblage from the Pleistocene of Northeast Thailand.

12:00-1:30 LUNCH

Tuesday early afternoon session, **Paul Grote** presiding.

1:30-1:50. **Aaron D. Pan *, Bonnie F. Jacobs**. The African palm (Arecaceae) record and new records from the Late Oligocene (28-27 Ma) of northwestern Ethiopia.

1:50-2:10. **Lilla Hably**. The flora of the Tard Clay Formation and its palaeogeographic implications.

2:10-2:30. **Zlatko Kvaček**. Fossil fruits of *Reevesia* (Malvaceae, Helicteroideae) and associated plant organs (seed, foliage) from the lower Miocene of North Bohemia (Czech Republic).

2:30-2:50. **Gregory Retallack**. Mallee model for early Tertiary precursors of grasslands.

2:50-3:10. **Carlos Jaramillo**. Area drives plant diversification in the Neotropics.

3:10-3:30 BREAK

Tuesday late afternoon session, **Charles Daghljan** presiding.

3:30-3:50. **Ge Sun*, Michael Akhmetiev, Lina Golovneva, Eugenia Bugdaeva, Harufumi Nishida, Tatyana Kodrul, Chunlin Sun, Yuewu Sun, Chen Quan, Kirk Johnson, David L. Dilcher**. Advances in the study of Late Cretaceous megafossil plants from Jiayin along Heilongjiang River, northeast China.

3:50-4:10. **Edith L. Taylor***, **Patricia E. Ryberg**, **Thomas N. Taylor**. Fossil tree rings from the central Transantarctic mountains: implications for tree growth at very high paleolatitudes.

4:10-4:40. **Ruth A. Stockey**, **Gar W. Rothwell**. The last of the pre-angiospermous vegetation: a lower Cretaceous flora from Apple Bay, Vancouver Island, Canada.

4:40-5:00. **Richard S. Barclay***, **David L. Dilcher**, **Jennifer C. McElwain**, **Bradley B. Sageman**. Calibrating atmospheric CO₂ changes with the cuticle database.

6:30. Tuesday evening banquet, Paramount Plaza Hotel. Celebrating David L. Dilcher.

Tuesday late evening. Bivens North Lake House (5 minutes walk from Hotel) open for gathering, refreshments on the house.

WEDNESDAY, MARCH 15, 2006

Wednesday Morning Session. **Bonnie F. Jacobs**, presiding.

8:00-8:20. **Jennifer C. McElwain***, **Mihai E. Popa**, **Stephen P. Hesselbo**, **Matthew Haworth**, **Finn Surlyk**. Stability, collapse and recovery of terrestrial ecosystems in East Greenland across the Triassic-Jurassic mass extinction boundary.

8:20-8:40. **Marlene Hill Donnelly**. A Triassic Greenland landscape reconstruction: the scientific illustrator's perspective.

8:40-9:00. **Mihai E. Popa**. Further observations on genus *Cycadopteris* (Zigno) Barale 1982.

9:00-9:20. **Lena Golovneva**. The Late Cretaceous floras of Vilui Basin.

9:20-10:00. **Elisabeth A. Wheeler**. The insides of Cretaceous trees: Wood anatomical patterns Aptian-Albian through Maastrichtian.

10:00-10:30 BREAK

10:30-10:50. **Maria G. Moiseeva**. Latest Cretaceous Koryak flora of northeastern Russia: taxonomy, age, plant communities and comparison with Alaskan floras.

10:50-11:10. **Bruce J. MacFadden**. The plants that fossil horses ate.

11:10-11:30. **Rolf W. Mathewes***, **Peter Mustard**. Plant macrofossils and palynomorphs from Kanaka Creek, southwestern British Columbia: Palaeocene or Eocene?

11:30-12:00. **James A. Doyle**. Systematic value and evolution of leaf architecture across the angiosperms in light of molecular phylogenetic analyses.

12:00-1:10 LUNCH

Wednesday Afternoon session, **Elizabeth Kowalski**, presiding.

1:10-1:30. **Tatiana Kodrul***, **M.A. Akhmetiev**. The Paleocene Upper Tsagayan flora from the Amur River region, Russian Far East: paleoecology and age.

1:30-1:50. **Maria Patricia Velasco de León**. Paleoclimatic reconstruction about two Tertiary localities of Mexico.

1:50-2:10. **Lisa F. Emerson***, **Gregory J. Retallack**. Nearest living relative comparison for three species from the middle Miocene Cape Blanco flora of Oregon, USA

2:10-2:30. **Barbara Meller**. *Aristolochia* leaf records from central Europe—a critical review.

2:30-2:50. **Michael C. Wiemann***, **Bonnie F. Jacobs**, **John Kappelman**. Oligocene climate of Chilga, Ethiopia, from wood physiognomy.

2:50-3:10. BREAK

3:10-3:30. **Jonathan I. Bloch**. New perspectives on primate origins and the evolution of angiosperms.

3:30-3:50. **Larisa R. Grawe DeSantis***, **Steven C. Wallace**. Identifying forest canopies using fossil tapirs and stable isotopes.

3:50-4:10. **Darren R. Gröcke***, **Gregory A. Ludvigson**, **Brian L. Witzke**, **R. Matt Joeckel**, **David F. Ufnar**, **Martin C. Knyf**, **Robert L. Ravn**. Recognizing the Albian–Cenomanian (OAE1d) sequence boundary using plant carbon isotopes: Dakota Formation, Western Interior Basin, USA.

4:10-4:30. **Friederike Wagner***, **David L. Dilcher**, **Henk Visscher**. Stomatal frequency responses and stomatal resistance changes in hardwood-swamp vegetation from Florida during a 60-year continuous CO² increase.

4:30-4:40. **Wolfram M. Kuerschner***, **Zlatko Kvaček**. C₄ plant and climate evolution linked to Miocene CO₂.

4:40-5:00. Closing ceremony.