

Preliminary Program
Paleoanthropology Society
April 24 – 26, 2006
San Juan, Puerto Rico

Registration: Monday, April 24: 8:00 – 9:45 AM

Poster Session

Tuesday, April 25
4:00 – 6:00

Athreya, S.

Was *Homo heidelbergensis* in South Asia? A test using the Narmada fossil from Central India

Baab, K. S. Freidline and S. Wang

An investigation of robusticity in modern human crania: implications for *Homo erectus*

Barrickman, N., P. Lewis, L. Berger and S. Churchill

GIS at Plovers Lake: Database for spatial analysis and reconstruction of a Middle Stone Age site in South Africa.

Bernatchez, J.

Characterizing archaeological ochre at Nelson Bay Cave, South Africa

Bishop, L., T. Plummer, F. Hertel, L. Halem, F. Forrest, L. An and J. Manfro

Reconstructing habitat preferences using ecomorphic analysis of antelope postcrania

Campisano, C. and A. K. Behrensmeyer

The roles of synchronicity, correlation, and causation in hypotheses linking climate change and hominin evolution

Caramelli, D., P. Giunit, S. Ricci, S. Condemi and L. Longo

Morphological revision and genetic typing of a Neanderthal fossil from Riparo Mezzena (Verona, Italy)

Collard, M. and S. Lycett

Does epigenetic variation confound attempts to identify hominid fossil species? An assessment using extant Old World monkey craniodental data

Condemi S., L. Govoni, P. Giunti, B. Sala B. and L. Longo

Updating pre-neanderthal remains in the southern Alps. The site of Quinzano (Verona, Italy)

Cooke, S.

The phylogenetic position of *Victoriapithecus*

Deane, A.

Inferring dietary behaviour for Miocene hominoids using a high-resolution morphometric approach to incisal crown curvature

Doyle, S.

Size, allometry and robusticity: an intrageneric comparison

Harvati, K., E. Panagopoulou, P. Karkanas, S. Frost, A. Athanassiou, P. Elefanti, C. Schrein, K. Baab, E. Henderson, E. Turloukis and C. Garefalakis
New findings of the Aliakmon Paleolithic Survey, Greece, 2004-2005

Haws, J., B. Hockett, C. Funk, J. M. Daniels, M. Benedetti and N. Bicho
Neandertals at the beach: Late Pleistocene coastal settlement of Central Portugal

Kirsanow, K. and N. Tuross

Experimental analysis of stable oxygen isotopes ($\delta^{18}\text{O}$) in mammalian enamel carbonate, phosphate, and protein: implications for palaeoenvironmental reconstruction

Lycett, S., N. von Cramon-Taubadel and R. Foley

A new method for the morphometric analysis of Paleolithic artifacts: the crossbeam coordinate caliper

McNulty, K. and K. Baab

Sexual dimorphism in hominin supraorbital morphology

Monnier, G.

Elucidating the relationship between edge retouch and blank morphology in stone tools: an experimental approach

Niewoehner, W.

Late Pleistocene human metacarpal cross-sectional geometry

Orr, C. and L. Raleigh

Electromyography of the brachial muscles during hard-hammer percussion production of Oldowan tools

Pilbrow, V. and E. Delson

Partitioning of dental variation within and among chimpanzee, gorilla and baboon taxa: implications for taxonomy and hominin models

Rowland, J. M. Stiner, J. Quade and D. Dettman

Inter- and intra- tooth isotopic variation in mammalian fossil tooth enamel from western Israel: implications for paleoenvironmental and paleoclimate change over the past ~400ka

Sisk, M., B. Patel and K. Carlson

Subchondral bone thickness in the distal radius: implications for interpreting positional behaviors of fossil hominins.

Stidham, T.

What do birds indicate about the taphonomy and paleoenvironment of Plio-Pleistocene hominin localities in South Africa?

Stiner, M.

Large mammal community turnover in the Levant 400-10 kya and its relation to the hominid cultural chronology

Sumner, A.

The depth of early human technological behavior: a 3-D approach to the examination of cognitive and behavioral aspects of core reduction

Thompson, J. and Y. Lee-Gorishti

Carnivore ravaging of boiled bone assemblages: zooarchaeological implications for Middle and Upper Paleolithic sites

Wallace, I. and J. Shea

Mobility strategies and core technologies in the Levantine Middle Paleolithic

Warr, G., A. Herries and A. Latham

Magnetostratigraphy at the Makapansgat Limeworks Australopithecine Site

Anne H. Weaver Cerebellar Evolution Provides Infrastructure for Modern Human Cognition

Oral Presentations

Monday, April 24: 10:00 – 12:30

10:00 – 10:15 Introduction

10:15 Sherwood, R., D. Duren, J. Blangero, M. Mahaney, B. Towne Face value: comparative quantitative genetics of the human (*Homo sapiens*) and baboon (*Papio hamadryas*) craniofacial complex.

10:30 Hylander, W. and C. Vinyard The evolutionary significance of canine reduction in hominins: functional links between jaw mechanics and canine length

10:45 Rosenberger, A. Toward the origins of anthropoid primates

11:00 Su., D. The mammalian evidence for the paleoenvironment of the Late Miocene deposits of the Middle Awash, Ethiopia

11:15 McBrearty, S. First Fossil Chimpanzee

11:30 Raichlen, D., H. Pontzer and M. Socko Chimpanzee locomotor biomechanics and the evolution of hominid bipedalism

11:45 Martelli, S. and P. O'Higgins Lumbar vertebral size and shape variation between australopithecines (*A. africanus*, *A. afarensis*), *Homo ergaster*, and modern hominoids (*Pan troglodytes*, *Gorilla gorilla*, *Pongo pygmaeus*, and *Homo sapiens*) reflects differences between different climbing behaviours and between habitual bipeds and runners

12:00 Pontzer, H. Locomotor energetics and ranging ecology in early *Homo*

12:15 Lepre, C. Linking climate and Plio-Pleistocene hominin evolution: a climate driven model of hominin biogeographical distribution in river paleoenvironments at Koobi Fora (Kenya)

Monday April 24: 2:00 – 6:00

2:00 Walker, J., R. Cliff and A. Latham U-Pb isotopic evidence for the age of Littlefoot, Sterkfontein, South Africa.

2:15 De Ruiter, D., M. Sponheimer, J. Lee-Thorp Animal paleocommunity variability and habitat specificity of *Australopithecus robustus* in South Africa

2:30 Backwell, L. and F. d’Errico Early hominid bone tool technology and utilisation in eastern and southern Africa

2:45 Blumenschine, R., F. Masao, C. Peters, J. Tactikos, R. Albert, P. Andrews, M. Bamford, J. Ebert, R. Hay, J. Njau, I. Stanistreet and H. Stollhofen Effects of proximity to stone material source on the landscape distribution of Oldowan stone artifacts in the Plio-Pleistocene Olduvai Basin, Tanzania

3:00 Braun, D., J. Harris, J. McCoy, R. Quinn, M. Bamford, L. Bishop, C. Lepre and M. Kibunja Pliocene hominin behavioral adaptations: new evidence from the Koobi Fora Formation

(3:15 – 3:30 Coffee Break)

3:30 Roche, J. and the WTAP team The Oldowan of the Nachukui Formation, West Turkana (Kenya)

3:45 Ditchfield, P., J. Kingston, T. Plummer, L. Bishop, J. Ferraro and R. Potts Tooth enamel oxygen isotope analysis to investigate seasonality at the late Pliocene Oldowan site Kanjera South, Kenya.

4:00 Mokokwe, D. The Goldsmith Site, South Africa: lithics and fauna

4:15 Sampson, C. G. Acheulian quarries in the Upper Karoo, South Africa

4:30 Machin, A. and R. Hosfield Testing the functional efficiency of Acheulean handaxes: the influence of utilitarian and social factors upon handaxe form

4:45 Meyer, M., D. Lordkipanidze and A. Vekua Language and empathy in *Homo erectus*: behaviors suggested by a modern spinal cord from Dmanisi, but not Nariokotome

5:00 Larson, S., W. Jungers, M. Morwood, Sutikna, T. Jatmiko, E. Saptomo, R. A. Due and T. Djubiantono Shoulder function in *Homo floresiensis*

5:15 Jungers, W., S. Larson, T. Sutikna, Jatmiko, E.W. Saptomo, R. A. Due, T. Djubiantono and M. Morwood Cross-sectional geometry of the femur and tibia in *Homo floresiensis*

5:30 McCarthy, R., D. Strait, F. Yates and P. Lieberman The origin of human speech

5:45 Chang, M. On the taxonomic validity of *Homo heidelbergensis*

Tuesday, April 25 8:30 – 12:15

Symposium in Honor of Jan Jelinek (8:30 – 12:15)

- 8:30 Frayer, D. and J. Auel Jan Jelinek's contributions to paleoanthropology
- 8:45 Musil, R. A mesoclimatic approach in the overlap zone of the Neanderthal and early modern Europeans in the Central Europe
- 9:00 Neruda, P. Economic behavior and mental capacity of Neanderthals
- 9:15 Mann, A. and J. Monge A critical re-evaluation of the development and eruption of the dentition in living human populations and its paleoanthropological implications
- 9:30 Wolpoff, M. Neandertal-"modern" interactions in Central and Eastern Europe
- 9:45 Oliva, M. History of excavations at Mladeč and their interpretation
- 10:00 Caspari, R. Are the suprainiac fossae of Upper Paleolithic Europeans homologous to those of Neandertals?
- (10:15 – 10:30: Coffee Break)
- 10:30 Soffer, O. From procurement to consumption: Paleolithic cuisines and their implications
- 10:45 Svoboda, J. The Gravettian burials in Moravia: ritual and taphonomy
- 11:00 Velemínský, P.,J. Bruzek, S. Katina, J. Velemínska and A. Seřčakova Ontogenetic stress and kinship hypotheses of Upper Palaeolithic fossil sample from Predmosti (Czech Republic): reflections on the basis of cranial discrete traits
- 11:15 Garralda, M. The last Neandertals in Spain and their cultures
- 11:30 Formicola, V. The triple burial of Dolní Věstonice: an intriguing example of Gravettian funerary practices.
- 11:45 De Quiros, F. Symbolism before the symbolism : evidence for the origins in the Cantabrian Middle Paleolithic
- 12:00 Brochhausen, M. Why we need an ontology of paleoanthropology: a case study of the Mladec remains

Tuesday, April 25: 1:45 - 6:00

- 1:45 Roure, C. and S. McBrearty Paleoenvironments and archaeological traces in the Early Middle Pleistocene of the Kapthurin Formation, Kenya
- 2:00 Herries, A., D. Curnoe, J. Brink, P. Hopley, Z. Henderson and K. van Reyneveld Middle Pleistocene fossil and stone tool bearing deposits at Groot Kloof, near Ulco, Northern Cape Province, South Africa
- 2:15 Rigaud, J.-P., P.-J. Texier, J. Parkington and C. Poggenpoel South African Middle Stone Age chronology: new excavations at Diepkloof Rockshelter ;preliminary results

2:30 Delagnes, A. L. Wadley, P. Villa and M. Lombard The same only smaller: crystal quartz backed tools from the Howiesons Poort levels at Sibudu Cave (Kwazulu-natal, South Africa)

2:45 Kandel, A. and N. Conard Surf and turf: near coastal adaptations during the Middle & Later Stone Age of the Western Cape, South Africa

3:00 DeGusta, D, L. Slimak, A. Arat, J. Lewis and S. Melillo Initial Results of a paleoanthropological survey of the Weyto Basin Area, southern Ethiopia

3:15 Rots, V. Stone tool production, hafting and use: complex technologies in the Sangoan on Sai Island, Sudan

3:30 Mercader, J. and A. Fogelman Between East and South: first Middle Stone Age site in Northern Mozambique

3:45 Mellars, P. Why did modern humans disperse from Africa ca. 60,000 years ago?

4:00 – 6:00 Poster Session

Wednesday, April 26: 8:00 – 12:30

8:00 Churchill, S. and J. Rhodes Osteological approaches to the evolution of projectile weaponry

8:15 Ritzman, T., M. Glantz and S. Athreya Opening the stone: a multivariate reassessment of the Neandertal status of the Teshik Tash child

8:30 Blackwell, B., A. Mian, S. Baboumian, J. Blickstein, A. Skinner, P. Wrinn, A. Krivoshapkin, A. Derevi'anko, J. Wagner and P. Patchett Settling the age dispute for the Late Middle Paleolithic at the Obi-Rakhmat hominid site, Uzbekistan

8:45 Chauhan, P., R. Patnaik, M. Rao, V. Sathe, B. Blackwell, A. Skinner and S. Athreya The Narmada Basin palaeoanthropology project (central India): preliminary results and future directions

9:00 Slimak, J., S. Kuhn and N. Balkan-Atli Kaletepe Deresi 3 and the early human presence in Anatolia

9:15 Hauck, T., J.-M. Le Tensorer and D. Wojtcsak New data for the paleolithic site of Ain Hummal (Syria)

9:30 Schmid, P., T. Hauck and J.-M. Le Tensorer Faunal elements from the Hummal Site (El Kowm, Syrian Arab Republic)

9:45 Hiscock, P. Inclined to resharpen: reduction and form-function relationships in the French Mousterian

10:00 Brugal, J.-P. and J. Jaubert A long Palaeolithic sequence in Southwest France: the karstic sites of Coudoulous (Lot, Quercy, France)

(10:15 – 10:30: Coffee Break)

- 10:30 Henry, A., K. Gordon, E. Trinkaus and A. Brooks Teeth as tools? A comparison of Neanderthal and early modern human incisor microwear.
- 10:45 Weaver, T., C. Roseman and C. Stringer Were Neandertal and modern human cranial differences produced by natural selection or random genetic drift?
- 11:00 Gunz, P. and K. Harvati A 3D analysis of the Neanderthal occipital bun: reassessment of a proposed derived trait.
- 11:15 Bailey, S. and T. Weaver Who made the early Upper Paleolithic? The wisdom of the teeth.
- 11:30 Holt, B., F. Negrino, V. Formicola, J. Riel-Salvatore, S. Churchill, G. Vicino and A. Del Lucchese The Mousterian-Aurignacian transition at the Riparo Bombrini (Liguria, Italy) rockshelter
- 11:45 Conard, N. Current research on the late Middle Paleolithic and early Upper Paleolithic in Swabia
- 12:00 McPherron, S., J-J Hublin, J. Jaubert, M. Soressi, S. Bailey, J.-G. Bordes, E. Claud, J.-B. Mallye, A. Michel, W. Rendu, M. Richards, D. Richter, T. Steele, G. Taylor and J.-P. Texier New excavations at the Paleolithic site of Chez-Pinaud Jonzac (Charente-Maritime, France)
- 12:15 D'Errico, F. J-G Bordes, A. Lenoble and J. Zilhao No Neandertal/early modern human interstratification at the Châtelperronian type-site

Wednesday, April 26: 2:00 – 6:00

- 2:00 Riel-Salvatore, J., A. Miller and G. Clark On the reality of a claimed Châtelperronian-Aurignacian interstratification at Grotte des Fées de Châtelperron (Allier, France)
- 2:15 Morin, E. Testing the modern human expansion hypothesis using the Saint-Césaire fauna
- 2:30 Hublin, J-J., M. Soressi and S. Bailey Spatial analysis of human remains from the Châtelperronian layers at Arcy-sur-Cure and Saint-Césaire (France)
- 2:45 Zilhao, J., E. Trinkaus, S. Constantin, H. Rougier and J. Quiles Excavations at the Peștera cu Oase: the chronometric, stratigraphic and taphonomic context of Europe's earliest modern humans
- 3:00 Hardy, B., M. Bolus and N. Conard Hammer or crescent wrench? Stone tool form and function in the Aurignacian of Southwest Germany
- (3:15 – 3:30 Coffee Break)
- 3:30 Banks, W., and F. d'Errico Eco-cultural niche modeling of European human populations during the Last Glacial Maximum
- 3:45 Hoffecker, J., V. Holliday, M. Anikovich, A. Sinitsyn, G. Levkovskaya, G. Pospelova, S. Forman, P. Goldberg and B. Giacci Stratigraphy and dating of the Early Upper Paleolithic at Kostenki (Russia)

4:00 Morales, M., L. Straus and A. Marin Tardiglacial territorialism in Cantabria, northern Spain

4:15 Stutz, A., N. Munro, G. and Bar-Oz Big and small game diversity trends in the Southern Levantine Epipaleolithic: increasing our resolution of the broad spectrum revolution

4:30 Norton, C. Zhoukoudian Upper Cave revisited: a taphonomic perspective

4:45 Yuan, J., O. Bar-Yosef, E. Boaretto, P. Goldberg, H. Gu, T. Jiao, S. Li, S. Weiner, X. Wy and W. Zang Excavations at Yuchnyan cave (Hunan Province, PRC) - a Late Pleistocene site

5:00 – 6:00 Business Meeting