

Program
Paleoanthropology Society Annual Meeting
March 31, April 1, 2009
Chicago Illinois

Poster Session

Wednesday, April 1 4:15 – 6:15

Assefa, Z, D. Pleurdeau, E. Hovers, A. Asrat, O. Pearson, F. Duquesnoy and Y. M. Lam
Results of the second field season of the South East Ethiopia Cave Survey Project: test excavations, survey, rock art and speleothems

Barros, A. and C. Soligo
The ontogeny of the great ape scapula as related to locomotion

Been, E and H. Pessah
Lumbar lordosis and the posture of La Chapelle-aux-Saints

Black, W, R. Rogers Ackermann and J. Sealy
Variation in Holocene Khoesan dentition

Bousman, B, J. Brink, G. Trower, S. Tooth, S. Woodbourne, R. Grun and L. Scott
Notes from the interior: recent archaeological and paleontological investigations at Erfkroon, South Africa

Braun, D., D. Stynder, W. Archer, S. Walker, J. Lavin, D. Roberts, L. Bishop and A. Herries
New Middle Pleistocene excavations on the West Coast of South Africa

Brink, J., B. Bousman and R. Grun
The interior of southern Africa as a unique habitat and evolutionary source area for periodic large mammal and human dispersals during the Middle and Late Pleistocene

Bunn, H. and M. Schoeninger
Hadza honey and implications for the evolution of meat-eating in early *Homo*

Carter, Y and R. Hoppa
3D endocasts vs 3D brains: a test of accuracy using virtual techniques

Clark, A.

Changes in occupation intensity during the Lower and Middle Paleolithic at Tabun Cave, Israel

Clement, A., S. Hillson and I. de la Torre
Teeth: an integral part of the Paleolithic tool kit

De Ruiter, D., J. Brophy, P. Lewis, A. Kennedy, T. Stidham, K. Carlson and J. Hancox
Preliminary investigation of Matjhabeng, a Pliocene fossil locality in the Free State of South Africa

Friedl, L., V. Sladek, and T. Holliday
Femoral shaft waist distribution and its relationship to behavioral reconstructions in fossil hominins

Glantz, M., J. Galm, R. Suleimanov and Z. Taimaganbetov
Another look at the Lower Paleolithic of Kazakhstan: a preliminary description of Albysbaev's lithic collections

Green, D. and Z. Alemseged
The ontogeny of extant hominoid and *Australopithecus afarensis* shoulder morphology

Guipert, G., M.-A. de Lumley, A. Tuffreau and B. Mafart
Interest of virtual chimeras in paleoanthropology

Haradon, C.
Biochronology of Eyasi, Tanzania: implications for the Eyasi 1 cranium and associated Sangoan technology

Herries, A., D. Curnoe, J. Xueping and P. Tacon
Human material and recent excavations at Maludong Cave, Yunnan Province, China

Hodgson, J., T. Plummer, F. Forrest, R. Bose and J. Oliver
A GIS-based approach to documenting large canid damage to bones

Holliday, T. and L. Friedl
Hominoid humeral allometry: implications for human paleontology

Jashashvili, T. and D. Lordkipanidze
First instance of a bipartite medial cuneiform in the hominin fossil record

Joordens, J., M. Noback, C. Feibel and H. Vonhof
Reconstructing variation in seasonality over the orbital climate cycle in the Plio-Pleistocene Turkana Basin (Kenya, Ethiopia)

Kennedy, A., T. Stidham, P. Lewis and D. deRuiter
The nonmammalian fauna from the Middle Pliocene Matjhabeng site, South Africa

Kingston, J., T. Harrison and D. Su

Isotopic insights into paleoecological interpretations at Laetoli, Northern Tanzania

Kramer, A., B. Algee-Hewitt, A. Dautartas, K. Driscoll, C. Eleazer, K. Godde and B. Hulse

Finite questions and fuzzy answers: exploring Neandertal/human admixture through baboon analogues

Leonard, C.

Geophytes as a potential food resource for Mediterranean hominins

Levkovskaya, G., M. Anikovich and V. Popov

The isotope ^{18}O and ^{13}C chronology and paleoenvironments of the Spitzenskaya and Kostenki-Streletzkaya Early Upper Paleolithic cultures of the Russian Plain

Lewis, P., A. Kennedy, D. de Ruiter and J. Brophy

Preliminary analysis of the small mammal fauna from Matjhabeng, Free State, South Africa

Lycett, S., N. von Cramon-Taubadel and J. Gowlett

A comparative 3D geometric morphometric analysis of Lower Paleolithic Victoria West cores

McNulty, K. and H. Smith

Data were collected from high-quality casts

Nelson, E., C. Rolian and L. Cashmore

Reconstructing the social systems of extinct hominids using digit ratios (2D:4D)

Niewoehner, W.

The taxonomic assignment of unassociated Neandertal and Upper Paleolithic hand phalanges

Norton, C. and S. Lycett

Paleolithic technological evolution and the Movius Line: demographic perspectives from Africa and East Asia

Nowell, A., M. Bisson, C. Cordova, J. Pokines and C. Ames

Through the stones we reach the shore: studies of a Paleolithic marsh in North Azraq (Jordan)

O'Connell, J., J. Allen and K. Hawkes

Modeling Sahul colonization: first approximation

Ortiz, A. and S. Bailey

Inter- and intra-specific non-metric dental variation in great apes: implications for the study of the early hominins

Schoville, B. and E. Otarola-Castillo

Application of logistic regression modeling to Hadza skeletal element transport

Steele, T., L. Niven, K. Britton, V. Grimes, J.-B. Mallye, W. Rendu and M. Richards

Neandertal exploitation of reindeer in the Quina Mousterian at Chez Pinaud, Jonzac (France): zooarchaeological and isotopic evidence

Subsol, G.

Automatic crest lines extraction for 3D morphometry of fossil structures

Teague, R.

Comparative ecological settings of *Homo* in Plio-Pleistocene East Asia and East Africa

VanSickle, C.

Re-sampled human cranial capacities compared to Würm Neandertals

Von Petzinger, G.

Making the abstract concrete: the place of geometric signs in French Upper Paleolithic cave art

Wang, S., W. Liu, L.X. Zhao

Craniofacial shape variation in Late Pleistocene Asian hominins

Williams, C. and K. Kuykendall

A preliminary assessment of linear measurements for root growth in permanent molar teeth of the chimpanzee and fossil hominids

Yokely, T., N. Holton, R. Franciscus and S. Churchill

The role of body mass in the evolution of the modern human nasofacial skeleton

Posters In Honor of Charles Lockwood (see Tuesday, 2:45 PM)

Balolia, K and C. Lockwood

Extended cranial growth and sexual dimorphism in *Pan troglodytes*, *Gorilla gorilla* and *Pongo pygmaeus*: applications for reconstructing the social behavior of extinct hominin species

Scott, J.

Sexual dimorphism in canine height and masticatory efficiency in anthropoid primates

Stansfield, K.

The problem of dichotomy of the frontal bone morphology in the Late Pleistocene hominids from Western Asia.

Terhune, C., W. Kimbel and C. Lockwood

An analysis of postnatal temporal bone ontogeny in *Pan* and *Homo*, with implications for temporal bone growth and development in *Australopithecus afarensis*

Oral Presentations

Tuesday, March 31 9:00-12:30

9:00 Introduction

9:15 Daver, G., G. Berillon and D. Grimaud-Herve

The *Proconsul* distal antebrachial epiphysis from KPS: first description and new insight in the emergence of hominoid locomotor specializations

9:30 Ward, C, J. Plavcan, D. Begun and L. Kordos

Pelvic form and hip joint function in anthropoids with implications for *Rudapithecus*: 3D analysis of continuous surface data

9:45 Carlson, K., and B. Patel

Hind limb loading in primates: insights into locomotor behavior of the ape common ancestor

10:00 Schoeninger, M. and H. Bunn

Tubers and the origins of the human lineage

10:15 Hemingway, J., J. Adams, A. Kegley, A. Herries, L. Kgazi, S. Potze and J. Thackeray

Fossil discoveries from Hoogland, a new primate-bearing karstic system in Gauteng province, South Africa

10:30 Discussion

10:45 Warr, G. A. Herries and A. Latham

A new age for the *Australopithecus africanus* specimens from the western Makapansgat Limeworks, South Africa: a combined magnetostratigraphy and biochronology approach

11:00 McHenry, L., L., de Luque, J. Gomez and F. Diez-Martin

Progress towards a regional tephrostratigraphic framework for Northern Tanzania: potential correlations between Olduvai, Laetoli and Peninj

11:15 Reti, J.

Quantified Oldowan lithic artifact production: results and discussion of behavioral lithic classification

- 11:30 Du, A., A. de Stefano, S. Carvalho, J. Harris and D. Braun
Actualistic studies on defining traces on stone anvils and implications to recognizing pounding and digging tools in the Plio-Pleistocene of East Africa
- 11:45 Plummer, T., P. Ditchfield, L. Bishop, D. Braun, J. Ferraro and J. Kingston
The depositional, paleoecological and behavioral contexts of Oldowan archaeological site formation at Kanjera, South, Kenya
- 12:00 Lemorini, C. T. Plummer, D. Braun, A. Crittenden, F. Marlowe, M. Schoeninger and P. Ditchfield
Functional interpretation by use-wear analysis of 2 million-year-old Oldowan tools from Kanjera South, Kenya

12:15 Discussion

Tuesday, March 31 2:00 – 6:30

- 2:00 Bobe, R. and M. Leakey
Timing the appearance of *Homo* in the Turkana Basin
- 2:15 DeGusta, D., S. Harmand, L. Slimak, I. Dohmen, J. Lewis, S. Melillo and M. Omar
Initial results of a paleoanthropological survey of the Djibouti Afar
- 2:30 Discussion
- 2:45 **Special Session in Honor of Charles Lockwood**
Introduction
- 3:00 Gilbert, C., A. Baden, and J. Fleagle
Comparing primate crania: differences between sexes and between species
- 3:15 Plavcan, J., C. Ward and F. Kyalo Manthi
New hominin fossils from Kanapoi, Kenya, and the mosaic evolution of canine reduction in early hominins
- 3:30 Harmon, E.
A comparison of intraspecific skeletal variation in *Australopithecus afarensis* and *Australopithecus africanus*
- 3:45 Moggi-Cecchi, J., C. Menter, S. Boccone and A. Keyser
Early hominin dental remains from Drimolen, South Africa
- 4:00 Richmond, B., E. Mbua, J. Harris, D. Braun, M. Bamford, R. Bobe and D. Green
A new hominin upper limb skeleton from Ileret, Kenya

4:15 Kimbel, W., K. Reed, C. Campisano and E. Hovers
Research results from the Hadar Paleoanthropology Field School (2007)

4:30 Alemseged, Z.
Morphology and metrics of DIK-1-1 milk teeth

4:45 Spoor, F., S. Anton, M. Leakey and L. Leakey
Cranial growth among late juvenile to young adult *Homo erectus*

5:00 DeGroot, I and C. Lockwood
An investigation of long bone curvature in Neandertals and modern humans:
femur, ulna and radius

5:15 Discussion

5:30 – 6:30 Business meeting

Wednesday, April 1 8:30-12:30

8:30 Bastir, M., P. Gunz, A. Rosas, K. Harvati and J.-J. Hublin
A 3D geometric morphometric analysis of the morphological evolution of the
cranial base and floor in *Homo*

8:45 Mounier, A., S. Condemi and F. Marchal
Homo heidelbergensis: the facial and mandibular evidence

9:00 Maddux, S. and R. Franciscus
Allometric scaling of infraorbital surface topography in *Homo*: size does
matter

9:15 Tryon, C., A. Behrensmeyer, M. Logan, and J. Faith
Ad hoc strategies of tool use by Middle Pleistocene hominins in Member 11',
Olorgesailie Formation, Kenya

9:30 Johnson, C. and S. McBrearty
Cutting edge: a new date for the earliest blade technology

9:45 Discussion

10:00 Lansing, S., A. Rector, K. Reed, J. Lee-Thorp and C. Marean
Taphonomic, taxonomic and isotopic analyses of a Marine Isotope Stage
6 carnivore den from Pinnacle Point, Mossel Bay, South Africa

10:15 Rector, A. and C. Stojanowski
Contextualizing mammalian microevolutionary trends in the fauna of Boomplas

Cave, Western Cape, South Africa

- 10:30 Klein, R., T. Weaver and T. Steele
Eland, buffalo and wild pigs: are they equally abundant in Middle and Later Stone Age sites?
- 10:45 Henry, A, D. Piperno and A. Brooks
South African plant microfossils and the role of USOs at Klasies River Mouth
- 11:00 Belmaker, M.
Reevaluation of faunal turnovers in the Southern Levant during the Last Glacial and the effects of climatic forcing on hominin population dynamics
- 11:15 Roebroeks, W., A. Jagich, L. Kindler, T. Laurat, D. de Loecker and E. Bruhl
Neumark-Nord 2: the current state of knowledge
- 11:30 Verna, C. and F. D'Errico
The oldest evidence for the use of human bone as tool
- 11:45 Iovita, R.
Made like a biface, but used like a scaper: re-assessing Middle Paleolithic tool variability from a resharpening and maintenance point of view
- 12:00 Orschiedt, J.
The Krapina case: new results on the question of cannibalism of Neandertals

12:15 Discussion

Wednesday, April 1 2:00 – 4:15

- 2:00 Tushabramishvili, N.
Perspectives of study of Paleolithic of Western Georgia
- 2:15 Hidjrati, N., L. Kimball, T. Koetje, N. Cleghorn and M. Kanukova
Multidisciplinary analyses of Pleistocene occupations at Weasel Cave-Dormouse Hall Caves, North Ossetia, Russia
- 2:30 Cleghorn, N.
The fauna of the terminal Middle Paleolithic at Weasel Cave (Door Mouse Hall chamber), North-Central Caucasus, North Ossetia, Russia
- 2:45 Hardy, B., M. Bolus, and N. Conard
How different were Neandertals? Stone tool function in Aurignacian and Middle Paleolithic levels at Hohle Fels, Germany

3:00 Harvati, K. and J.-J. Hublin
The face of Dar-es-Soltane 5: a re-assessment

3:15 Henry-Gambier, D. and S. Villotte
The rediscovery of Gravettian fossils: Baouso da Torre 1 and 3 skeletons (Italy)

3:30 Hoffecker, J.
Rethinking Early Upper Paleolithic of Eastern Europe

3:45 Langley, M.
Behavioral modernity in the dreamtime: investigating behavioral modernity in
The Pleistocene Sahul archaeological record.

4:00 Discussion

4:15 – 6:15 Poster Session