

**Final Program**  
Paleoanthropology Society  
April 5, 6, 2005  
Milwaukee Wisconsin

**Poster Session**

**Tuesday, April 5**

**4:30 - 6:30**

Coate, J., D. Neuweger and D. Curnoe

Taxonomic integrity above the species level in primate evolution and systematics

Cross, A. and A. Nelson

A test of models used for estimating total body surface area in hominins

Delezene, L. and C. Schrein

Is *Ouranopithecus macedoniensis* a hominin? A critical assessment of evidence from canine and P3 morphology

Doyle, S.

Postcranial robusticity in a carnivore: implications for understanding skeletal robusticity in hominins

Hawks, J.

Population size, disease and the evolution of aging

Kilberger, M. and J. Enloe

Maxillary dentition and hunting strategies: reindeer teeth from the Magdalenian

Kovarovic, K., P. Andrews and L. Aiello

A palaeoenvironmental reconstruction of Laetoli, Tanzania using a bovid community ecomorphological survey

McCall, G.

Multivariate approaches to the lithics of Klasies River Mouth

Pilbrow, V. and S. Bailey

Patterns of intraspecific variation in dental metrics in *Gorilla gorilla*, *Pan troglodytes* and *Homo sapiens*: a comparison using Wright's (1969) *Fst* statistic

Prat, S. and the West Turkana Archaeological Project

The Lokalalei site complex (2.3-2.4 Myr): the oldest evidence of the genus *Homo* in the Nachukui Formation, Kenya

Sisk, M. and J. Shea

Experimental use of Levallois points as projectile points

Smith, H.

Patterns of fracture among anatomically modern humans: implications for hunting techniques

Sylvester, A.

The decoupling hypothesis: a new idea for the origin of bipedalism

Teague, R.

Comparison of the faunal contexts of *Homo erectus* in East Africa and East Asia during the early Pleistocene

Terhune, C. and A. Deane

Shape of the temporal squama in fossil hominins: relationships to cranial shape and a determination of character polarity

### Oral Presentations

#### Tuesday, April 5: 9:00 – 12:30

9:00 – 9:15 Introduction

9:15 Reed, D.

Calibrating paleoenvironmental analysis using modern micromammal assemblages from Tanzania

9:30 Su, D. and T. Harrison

Large mammal differences between fossil and modern communities: implications for the reconstruction of hominin paleoenvironments

9:45 Zihlman, A.

Walking, running, climbing and jumping to conclusions: interpreting locomotion in early humans

10:00 Marchal, F., G. Berillon and J. Millet

Integrative biomechanical geometric morphometrics. A new approach to study the evolution of the hominid locomotor skeleton

(10:15 – 10:30: Coffee Break)

10:30 Turner, L., Z. Throckmorton and J. Langdon

Since when are humans different?

10:45 Sherwood, R., D. Duren, T. Dyer, S. Cole, R. Siervogel, J. Blangero and B. Towne

The search for the real missing link: finding the genes that influence craniofacial morphology

- 11:00 Carlson, B.  
Did/does docosahexaenoic acid constrain encephalization?
- 11:15 Tostevin, G.  
The use and abuse of the *chaîne opératoire* vs. reduction sequence debate in Paleolithic archaeology
- 11:30 Carlson, K., M. Whalen and F. Grine.  
Robusticity and sexual dimorphism in the postcranium of modern hunter-gatherers from Australia
- 11:45 Walker, A., H. Dunsworth, S. Kozakowski, G. Krovitz, J. Orkin and K. Welker  
Thinking outside the book: escaping traditional representations of hominin evolution through computer animation
- 12:00 Shackelford, L.  
Regional variation in Late Pleistocene human postcranial robusticity
- 12:15 Henry-Gambier, D., J. Bruzek, A. Schmitt, F. Houet and P. Murail  
Probabilistic approach to age and sex assessment in human fossils – application to burials from the Upper Paleolithic in Italy and France

**Tuesday, April 5: 2:00 – 4:00**

- 2:00 Trinkaus, E., J. Zilhao, H. Rougier, J. Quiles, S. Milota, M. Gherase, R. Rodrigo, L. Sarcina, V. Codrea, I. Baltean and O. Moldovan  
The Pestera cu Oase: cave bear, canids, caprids, cervids and a cranium
- 2:15 McCarthy, R. and D. Strait  
Morphological constraints on hominin speech production
- 2:30 Yokley, T. and R. Franciscus  
Variation in nasal passage surface-area-to-volume ratios of recent and fossil humans
- 2:45 Meyer, M., M. Chang and J. Lewis  
Functional morphology of the Neandertal nose
- 3:00 Bouchneb, L., M. Bruno, P. Semal, S. Louryan and J-J Hublin  
The bony labyrinth of Neandertals: additional results
- 3:15 Mann, A., C. Beauval, S. Costamagno, J.-G. Bordes, L. Bourguignon, I. Couchoud, Fr. Lacrampe, V. Larouladnie, J.-Cl. Marquet, L. Meignen, J.-P Texier, B. Vandermeersch and B. Maureille  
Carnivore and Neandertal interactions at the Les Pradelles site (Charante, Southwest France)
- 3:30 Cook, J. D. Frayer and J. Radovicic  
New evidence for symbolic behavior by the Krapina Neandertals
- 3:45 Skinner, A. H. Dibble, S. McPherron, A. Turq, D. Sandgathe, B. Blackwell and S. Martin

Electron spin resonance dating of the Neandertal and Mousterian site, Roc de Marsal, Dordogne, France

- 4:00 Monge, J., A.-M. Tillier and A. Mann  
Perikymata number and spacing on early modern human teeth: evidence from Qafzeh Cave (Northern Israel)

### **Poster Session**

4:15 – 6:30 Location to be announced

### **Wednesday, April 6: 8:30 – 12:30**

- 8:30 Shea, J.  
The origins and antiquity of stone projectile points
- 8:45 Villa, P., S. Soriano, S. Wurz, A. Delanges, L. Wadley  
Development, decline and disappearance of the Howiesons poort industry
- 9:00 Ogola, C., T. Pickering, K. Kuman and R. Clarke  
Modified bone from Sterkfontein Cave: implications for the technological behavior of Middle Stone Age hominids in South Africa
- 9:15 Tryon, C., S. McBrearty and P.-J. Texier  
Levallois lithic technology from the Kapthurin Formation, Kenya: Acheulean origin and Middle Stone Age diversity
- 9:30 Haradon, C.  
Middle Pleistocene faunal change at the Acheulean to Middle Stone Age transition
- 9:45 Berger, G. A. Perez-Gonzalez, E. Carbonell, J. Arsuaga, J.-M. Bermudez de Castro  
Luminescence chronology for cave sediments at the Atapuerca paleoanthropological Site, Spain
- 10:00 Stringer, C.  
Major gaps in the early human occupation of Britain
- (10:15 – 10:30 Coffee Break)
- 10:30 Steele, T., G. Avery, R. Klein, T. Volman  
EFTN HD2: a Mid-Pleistocene artifact-and-mammal-bone occurrence at Elandsfontein, Western Cape Province, South Africa
- 10:45 Gavronski, E., E. Bowers and R. Quinlan  
Early *Homo erectus/ergaster*: one or more species?

- 11:00 Grimaud-Herve, D., H. Widiyanto, F. Detroit and T. Jacob  
The new skull of Bukuran from Sangiran Dome (Java, Indonesia)
- 11:15 Arif, J., H. Baba. And Y. Kaifu  
The Skull IX (Tjg-1993.05) as one of the variant examples of Asian *Homo erectus* from Indonesia
- 11:30 Ambrose, S., S. Katoh, Y. Bayene, and B. Asfaw  
Isotopic paleoecology of Plio-Pleistocene mammals and paleosols, Konso Formation, Southern Ethiopia
- 11:45 Lepre, C. and R. Quinn  
Precessional forcing of Plio-Pleistocene lake levels from Koobi Fora, Kenya
- 12:00 DeGusta, D.  
How primitive was the postcranial skeleton of *Australopithecus africanus*?
- 12:15 Rak, Y.  
On derived characters that *Australopithecus afarensis* shares with the robust clade

**Wednesday, April 6: 2:00 – 6:15**

- 2:00 Harlacker, L.  
The biomechanics of stone toolmaking: kinematics and kinetics of the arm during Oldowan/Mode I knapping
- 2:15 Braun, D., T. Plummer, J. Ferraro, L. Bishop, P. Ditchfield, R. Potts and J. Harris  
Oldowan technology at Kanjera South, Kenya: the context of technological diversity
- 2:30 Copes, L. and R. Potts  
Are hominin fossils and paleoenvironmental data precisely associated in the stratigraphic records of Turkana and Olduvai?
- 2:45 Kingston, J. and T. Harrison  
Ostrich eggshells as paleoenvironmental indicators in the Pliocene Laetoli Succession, N. Tanzania
- 3:00 Campisano, C. and C. Feibel  
Tephrostratigraphy and regional correlations of the artifact bearing Kada Hadar Member, Hadar Formation, Ethiopia

(3:15 – 3:30 Coffee Break)

- 3:30 Adams, J.  
Faunal and paleoecological analyses of the Gondolin GD2 Plio-Pleistocene fossil assemblage, North West Province, South Africa

- 3:45 Heaton, J. and T. Pickering  
Fossil collection biases at Sterkfontein cave and their impact on primate taxonomy
- 4:00 Kibii, J.  
Comparative taxonomic, taphonomic and paleoenvironmental analysis of hominid infills, Member 4 and Jacovec Cavern, within Sterkfontein, South Africa
- 4:15 Pickering, T., M. Dominguez-Rodrigo, C. Egeland and C. Brain  
The earliest evidence of hominid butchery in southern Africa: new zooarchaeological and taphonomic data on the use of large animal carcasses at Swartkrans Members 1 - 3
- 4:30 DeSilva, J., E. Shoreman, L. MacLatchy  
A fossil hominoid proximal femur from Kikorongo crater, southwestern Uganda
- 4:45 Dunsworth, H.  
Ontogeny and proportions of new *Proconsul heseloni* tarsals and metatarsals from the Kaswanga Primate Site, Rusinga Island, Kenya
- 5:00 Benefit, B., E. Lynch, M. McCrossin, S. Ghoshroy and S. Kersey  
Preliminary analysis of dental microwear and diet in kenyapithecine hominoids from the Middle Miocene of Fort Ternan and Maboko Island, Kenya
- 5:15– 6:15 Business Meeting