

Dr Peter Andrews



Curriculum Vitae

Name: Peter John Andrews
Date of birth: January 31, 1940
Place of birth: Sao Paulo, Brasil
Citizenship: British

Academic Record

1961	BSc	Aberdeen University, Forestry
1963	MScF	University of Toronto, Forestry
1969	BA	Cambridge University, Anthropology
1972	MA	Cambridge University, Anthropology
1973	PhD	Cambridge University, Anthropology
1988	ScD	Cambridge University, Anthropology

Employment Record

1962 – 1963	McGill University, Department of Physics, Research Assistant
1964 – 1967	Forestry Department, Kenya Government, Assistant Conservator of Forests
1969 – 1970	Research Assistant to Dr L.S.B. Leakey
1973 – 1974	National Museums of Kenya, Nairobi
1974 – 2000	British Museum (Natural History), London Senior Scientific Officer, 1974 - 1977 Principal Scientific Officer, 1977 - 1989 Head of Anthropology Section, 1985 - 1989 Individual Merit Promotion Grade 6, 1989 - 2000 Head, Human Origins Program 1989-2000
1996 – present	Honorary Professor, University College, London
2000 – present	Research Associate at the Natural History Museum
2000 – present	Curator, Blandford Museum

Research Affiliations

Visiting Professor and Honorary Research Fellow, University College, London.
Consultant, English Heritage

Society Memberships

Linnean Society
Cambridge Philosophical Society
Primate Society of Great Britain
Fauna and Flora Preservation Society

Awards

Medal of the University of Helsinki, 1989
El Premio Principe de Asturias de Ciencia y Tecnologia (Prince of Asturias Prize), Spain, 1997

Trustee

L.S.B. Leakey Trust. (Chairman)
W. W. Bishop Trust.

Editorships

1979 – 1985	Editorial Board of the journal <i>Man</i>
1992 – present	Editorial Board of <i>Molecular Phylogenetics and Evolution</i> .
1986 – 1993	Joint Editor of the <i>Journal of Human Evolution</i>
1994 – present	Associate Editor of the <i>Journal of Human Evolution</i>
2002 – present	Associate Editor of the <i>Journal of Taphonomy</i>

Conferences

1983	Co-organizer of the von Koenigswald Memorial Symposium November 20 - 23, 1983, Frankfurt, Germany
1984	Co-organizer of the symposium Major Topics in Primate and Human Evolution, December 17 - 18, 1984
1997	Co-organizer of the W.W. Bishop Memorial Symposium, November 11, 1997, London
1997-2000	Co-organizer of the ESF workshops on Hominoid Evolution and Climatic Change in Europe. October 1997, Spain; April 1999, Italy; April 2000, Greece.

Students

Dr Terry Harrison, UCL London
Dr Lawrence Martin, UCL London
Dr Stephen Dreyer, UCL London
Dr David Cameron, University of Canberra, Australia
Dr Yolanda Fernandez-Jalvo, Museo Nacional de Ciencias Naturales, Madrid
Dr Ayhan Ersoy, University of Ankara, Turkey
Dr Tania King, UCL London
Dr Songul Alpaslan, University of Ankara, Turkey
Dr Douglas Brandon-Jones, UCL London
Dr Louise Leakey, UCL London
Dr Jim Williams, University of Sheffield
Dr Christophe Soligo, Natural History Museum, London
Dr Ana Pinto, CSIC, Madrid
Dr Denne Reed, SUNY
Dr Emma Jenkins, University of Cambridge
Dr Georgia Mortzou, UCL London
Dr Kris Kovarovic, UCL London
Dr Basak Boz, Hacitepe University, Ankara
Dr Arzu Demeril

Postdoctoral Students

Yolanda Fernandez-Jalvo, Marie Curie Fellowship
Silvia Bello, Marie Curie Fellowship
Sylvia Hixson, European Science Foundation grant
Lynne Bell, Leverhulme grant

Grants

1970-2 Wenner-Gren predoctoral grant for three years
1971 Boise Fund grant for excavation at Rusinga, Kenya, Royal Society grant for excavation at Rusinga, Kenya
1972 Boise Fund grant for excavation at Songhor, Kenya
1973 Boise Fund grant for excavation at Karungu, Kenya
1974 Boise Fund grant for excavation at Fort Ternan, Leakey Foundation grant for study trip
1975 Boise Fund grant for study of Tanzania carbonatites, Leakey Foundation grant for same

- 1979 Boise Fund grant for field work in Kenya
- 1980 Boise Fund grant for excavation at Koru, Kenya, Leakey Foundation grant for excavation at Rusinga, Kenya
- 1983 Boise Fund grant for excavation at Pasalar, Turkey, British Council award for study trip
- 1984 Leakey Foundation grant for excavation at Pasalar, Turkey
- 1985 Boise Fund grant for small mammal study at Pasalar
- 1986 Leakey Foundation grant for excavation at Pasalar, Turkey
- 1987 Leakey Foundation grant for excavation at Pasalar, Turkey
- 1987 Boise Fund grant for Olduvai taphonomy
- 1989 Leakey Foundation for excavation at Pasalar, Turkey
- 1990 Leakey Foundation for excavation at Pasalar, Turkey
- 1993 Boise Fund for Pasalar dental wear
- 1993-5 British Council Alliance Programme
- 1994 Leakey Foundation for Atapuerca taphonomy.
- 1994 British Academy for Gough's Cave taphonomy.
- 1996 British Council Netherlands Programme
- 2000 Wenner-Gren Foundation for excavations at Laetoli
- 2000 Royal Society for research in Armenia

Publications - Theses

Andrews, P. (1973). Miocene Primates (Pongidae, Hylobatidae) of East Africa. Ph.D. thesis. Cambridge University, pp. XIX + 511 + 8.

Publications - Books

Andrews, P. & Franzen, J. (1984) Editors. The Early Evolution of Man, with Special Emphasis on Southeast Africa. Frankfurt: Senckenberg.

Wood, B., Martin, L. & Andrews, P. (1986) Editors. Major Topics in Primate and Human Evolution. Cambridge University Press.

Andrews, P. & Stringer, C. (1989). Human Evolution: an illustrated guide. BM(NH) and Cambridge University Press.

Andrews, P. (1990). Owls, Caves and Fossils. BM(NH) and University of Chicago Press.

Andrews, P. & Banham, P. (1999) Editors. Late Cenozoic Environments and Hominid Evolution: a tribute to Bill Bishop. The Geological Society, London.

Andrews, P., Cook, J., Carrant, A. & Stringer, C. (1999). Westbury Cave. Western Academic Specialist Publishers, Bristol.

Agusti, J., Rook, L. & Andrews, P. (1999) Editors. Hominoid Evolution and Climatic Change in Europe, Vol. 1. The

Evolution of Neogene Terrestrial Ecosystems in Europe. Cambridge University Press.

De Bonis, L., Koufos, G. & Andrews, P. (2000) Editors. Hominoid Evolution and Climatic Change in Europe Vol. 2. Phylogeny of the Neogene Hominoid Primates of Eurasia. Cambridge University Press.

Stringer, C. & Andrews, P. (2005). The Complete World of Human Evolution. Thames and Hudson.

Pinto Llona, A., Andrews, P. & Etxebarria, F. (2005). Taphonomy and Palaeoecology of Bears, pp 1-562. Fundacion Oso de Asturias. (Spanish text with English translation, pages 563-670.)

Publications in Journals And Edited Books

- Iltis, W.H., Loucks, O.L. & Andrews, P. (1970). Criteria for an Optimum Human Environment. *Bull. Atomic Sci.* 26: 2-6. Reprinted in *Ekistics* 29: 449-452 (1970); *Global Ecology*, edited by J.P. Holden and P.R. Ehrlich (Harcourt Brace Jovanovich, New York, 1971); *Science in America*, edited by J.C. Burnham (Holt Rinehart and Winston, New York, 1971).
- Andrews, P. (1970). Two new fossil primates from the Lower Miocene of East Africa. *Nature* 228: 537-40.
- Andrews, P. (1971). *Ramapithecus wickeri* mandible from Fort Ternan, Kenya. *Nature* 231: 192-194.
- Andrews, P. (1973). The vegetation of Rusinga Island. *Jl. E. Afr. nat. Hist. Soc.* No. 142, 1-8.
- Andrews, P. & Williams, D.B. (1973). The use of Principal Components analysis in Physical Anthropology. *Am. J. Phys. Anthropol.* 39: 291-304.
- Walker, C.A. & Andrews, P. (1973). Reconstruction of the dental arcades of *Ramapithecus wickeri*. *Nature* 244: 313-314.
- Andrews, P. (1974). New species of *Dryopithecus* from Kenya. *Nature* 249: 188-190.
- Groves, C.P., Andrews, P. & Horne, J.F.M. (1974). Tana River Colobus and Mangabey. *Oryx* 12: 565-575.
- Andrews, P. & Van Couvering, Judith A.H. (1975). Environments in the East African Miocene. in *Contributions to Primatology*, Vol. 5, pp. 62-103, edited by F.S. Szalay.
- Andrews, P., Groves, C.P. & Horne, J.F.M. (1975). The ecology of the Lower Tana River Flood Plain. *Jl. E. Afr. nat. Hist. Soc.* 151: 1-31.
- Delson, E. & Andrews, P. (1976). Evolution and interrelationships of the catarrhine primates. In *Phylogeny of the Primates: An Interdisciplinary Approach*, pp. 405-446, (ed. by W.P. Luckett & F.S. Szalay). Plenum Press, New York.
- Andrews, P. & Groves, C.P. (1976). Gibbons and Brachiation. In *Gibbon and Siamang*, edited by D. Rumbaugh, Vol. 4, pp. 167-218.
- Andrews, P. & Walker, A.C. (1976). The primates and other fauna from Fort Ternan, Kenya. In *Perspective on Human Evolution*, pp. 279-304, edited by G. Isaac.
- Andrews, P. & Tobien, H. (1977). New Miocene locality in Turkey with evidence on the origins of *Ramapithecus* and *Sivapithecus*. *Nature* 268: 699-701.
- Andrews, P. & Simons, E.L. (1977). A new African Miocene Gibbon-like genus *Dendropithecus* (Hominoidea, Primates) with distinctive postcranial adaptations: the significance to origin of Hylobatidae. *Folia. primatol.* 28: 161-168.
- Oakley, K.P., Andrews, P., Keeley, L. & Clark, J.D. (1977). A reappraisal of the Clacton spear point. *Proc. prehist. Soc.* 43: 13-30.
- Andrews, P. (1978). A revision of the Miocene Hominoidea of East Africa. *Bull. Br. Mus. nat. Hist. (Geol.)* 30(2): 85-224.
- Simons, E.L., Andrews, P. & Pilbeam, D. (1978). A review of the African Cenozoic Apes (Hominoidea: Primates). In *Evolution of African Mammals*, pp. 120-146. Edited by H.B.S. Cooke, & V. Maglio.

- Andrews, P. (1978). Taxonomy and relationships of fossil apes. In *Recent Advances in Primatology*, Vol. 3, pp. 43-56, edited by D.J. Chivers & K.A. Joysey. Academic Press.
- Andrews, P., Hamilton, W.R. & Whybrow, P.J. (1978). Dryopithecines from the Miocene of Saudi Arabia. *Nature* 274: 249-250.
- Whybrow, P.J. & Andrews, P. (1978). Restoration of the Holotype of *Proconsul nyanzae*. *Folia primatol.* 30: 115-125.
- Andrews, P., Lord, J. & Evans, E.M. 1979. Patterns of ecological diversity in fossil and modern mammalian faunas. *Biological Journal of the Linnean Society*, 11:177-205.
- Andrews, P. & Evans, E.M. 1979. The environment of *Ramapithecus* in Africa. *Paleobiology*, 5:22-30.
- Andrews, P. & Molleson, T. (1979). The provenance of *Sivapithecus africanus*. *Bull. Br. Mus. nat. Hist. (Geol.)* 32: 19-23.
- Bernor, R., Andrews, P. & Van Couvering, J.A. (1979). The evolution of "Pontian" mammal faunas: some zoogeographic, paleoecologic and chronostratigraphic considerations. *Ann. Geol. Pays Hellen. (Tome hors serei, 1979)* 81-89.
- Andrews, P. & Tekkaya, I. (1980). A revision of the Turkish Miocene hominoid *Sivapithecus metei*. *Palaeontology* 23: 85-95.
- Andrews, P. (1980). Ecological adaptations of the smaller fossil apes. *Z. Morph. Anthropol.* 71: 164-173.
- Andrews, P., Whybrow, P. & Stringer, C. (1980). Stratigraphy and palaeontology of Miocene deposits at Yeni Eskihsar, Turkey. *Newsl. Stratigr.* 9: 49-57.
- Andrews, P. (1980). Species diversity and diet in monkeys and apes during the Miocene. *Ann. Hum. Biol.* 7: 185-186.
- McHenry, H.M., Andrews, P. & Corruccini, R.S. (1980). Miocene hominoid palatofacial morphology. *Folia primatol.* 33: 241-252.
- Andrews, P. (1981). A short history of Miocene field palaeontology in Western Kenya. *J. Hum. Evol.* 10: 3-9.
- Pickford, M. & Andrews, P. (1981). The Tinderet Miocene sequence in Kenya. *J. Hum. Evol.* 10: 11-33.
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- Andrews, P., Harrison, T., Martin, L. & Pickford, M. (1981). Hominoid primates from a new Miocene locality named Meswa Bridge in Kenya. *J. Hum. Evol.* 10: 123-128.
- Andrews, P. (1981). Species diversity and diet in monkeys and apes during the Miocene. In *Aspects of Human Evolution* (ed. C.B. Stringer). Taylor and Francis, London. Reprinted in *Primate Evolution and Human Origins*, edited by R.L. Ciochon & J.G. Fleagle, pp. 194-204, Menlo Park: Benjamin Publishing Co. (1985).
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- Andrews, P. (1983). The natural history of *Sivapithecus*. In *New Interpretations of Ape and Human Ancestry* (eds R.L. Ciochon and R.S. Corruccini) pp. 441-463. Plenum, New York.
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- Chivers, D.J., Andrews, P., Preuschoft, A., Bilsborough, A. & Wood, B.A. (1984). Food acquisition and processing in primates: concluding discussion. In D. Chivers, B. Wood & A. Bilsborough (eds) *Food Acquisition and Processing in Primates*, pp. 545-556. Plenum Press.
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- Andrews, P. (1984). An alternative interpretation of the characters used to define *Homo erectus*. *Cour. Forsch. Inst. Senckenberg* 69: 167-175.
- Andrews, P. (1985). Improved timing of hominoid evolution with a D.N.A. Clock. *Nature* 314: 498-499.
- Andrews, P. (1985). Family group systematics and evolution among catarrhine primates. In *Ancestors: the hard evidence* (ed. E. Delson) pp. 14-22. New York: Alan Liss.
- Andrews, P. & Cook, J. (1985). Natural modifications to bones in a temperate setting. *Man*. 20: 675-691.
- Andrews, P. (1986). Molecular evidence for catarrhine evolution. In *Major Topics in Primate and Human Evolution* (eds B. Wood, L. Martin & P. Andrews), pp 107-129. Cambridge University Press.
- Andrews, P. (1986). Human evolution: the fossil evidence. *Kagaku*, Tokyo 56: 196-204.
- Andrews, P. (1986). Fossil evidence on human origins and dispersal. In *Molecular Biology of Homo sapiens* (ed. J.D. Watson), pp 419-428. Cold Spring Harbor Symposia on Quantitative Biology. Reprinted in *The Human Evolution. Source Book* (eds R.L. Ciochon & J.G. Fleagle. Prentice Hall.
- Andrews, P. & Martin, L. (1987). The phyletic position of the *Ad Dabtiyah* hominoid. *Bull. Br. Mus. nat. Hist. (Geol.)* 41: 383 - 393.
- Andrews, P., Martin, L. & Whybrow, P. (1987). Earliest known member of the great ape and human clade. *Am J. Phys. Anthropol.* 73: 174 - 175.
- Andrews, P. & Martin, L. (1987). Cladistic relationships of extant and fossil hominoids. *J. Hum. Evol.* 16: 101 - 118.

- Andrews, P. (1987). Much ado about bones. *J. Hum. Evol.* 16: 511 - 513.
- Andrews, P. (1987). Aspects of hominoid phylogeny. In *Molecules and Morphology in Evolution: conflict or compromise* (ed C. Patterson), pp. 23 - 53. Cambridge University Press.
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- Andrews, P. (1988). Advances in primatology. *Cladistics* 4: 297 - 304.
- Andrews, P. (1988). A phylogenetic analysis of the Primates. In *The Phylogeny and Classification of the Tetrapods* (ed. M.J. Benton), pp 143 - 175. Systematics Association Special Volume 35, Oxford.
- Stringer, C. & Andrews, P. (1988). Genetic and fossil evidence for the origin of modern humans. *Science* 239: 1263 - 1268, and 241: 772 - 774. Reprinted in *The Human Evolution Source Book* (ed. R.L. Ciochon & J.G. Fleagle. Prentice Hall.
- Andrews, P. (1989). Small mammal taphonomy, In *Topics on European Mammalian Geochronology* (ed. E.H. Lindsay, V. Fahlbusch & P. Mein), pp 487 - 494. Plenum, New York.
- Alpagut, B., Andrews, P. & Martin, L. (1989). Miocene palaeoecology of Pasalar, Turkey. In *Topics on European Mammalian Geochronology* (ed. E.H. Lindsay, V. Fahlbusch & P. Mein), pp 443 - 459. Plenum, New York.
- Andrews, P. (1989). Palaeoecology of Laetoli. *J. Hum. Evol.* 18: 173 - 181.
- Andrews, P. (1990). Primitive hominoids and hominid ancestors. *Nature* 345: 664 - 665.
- Andrews, P. & Ersoy, A. (1990). Taphonomy of the Miocene bone accumulations at Pasalar, Turkey. *J. Hum. Evol.* 19: 379 - 396.
- Andrews, P. & Alpagut, B. (1990). Description of the fossiliferous units at Pasalar, Turkey. *J. Hum. Evol.* 19: 343 - 361.
- Alpagut, B. Andrews, P. & Martin, L. (1990). New hominoid specimens from the middle Miocene site at Pasalar, Turkey. *J. Hum. Evol.* 19: 397 - 422.
- Armour-Chelu, M. & Andrews, P. (1991). Bone dispersal by earthworms. In *The Environmental impact of Burrowing Animals and Animal Burrows* (P.S. Meadows & A. Meadows, eds). *Symp. Zool. Soc. Lond.* 63, 301 - 303.
- Andrews, P. (1990). Palaeoecology of the Miocene fauna from Pasalar, Turkey. *J. Hum. Evol.* 19: 569 - 582.
- Andrews, P. & Martin, L. (1991). Hominoid dietary evolution. *Phil. Trans. R. Soc., Lond.* 334, 199 - 209.
- Andrews, P. (1991). Apes. *McGraw Hill Encyclopaedia of Science and Technology*, pp 2-4.
- Andrews, P. (1992). Community evolution in forest habitats. *J. Hum. Evol.* 22, 423 - 438.
- Andrews, P. & Turner, A. (1992). Life and death of the Westbury bears. *Acta Zool. Fenn.* 28, 139 - 149.
- Andrews, P. (1992). An ape from the south. *Nature* 356, 106.
- Fernandez-Jalvo, Y. & Andrews, P. (1992) Small mammal taphonomy of Gran Dolina, Atapuerca (Burgos), Spain. *J. Archaeol. Sci.* 19, 407-428.

- Andrews, P. (1992). Reconstructing past environments. In *Encyclopaedia of Human Evolution* (ed S. Jones, R.D. Martin & D. Pilbeam), pp 191-195. Cambridge University Press.
- Andrews, P. (1992). The basis for taphonomic research of vertebrate fossils. In *Conferencias de la Reunion de Tafonomia y Fosilizacion* (ed S. Fernandez Lopez), pp 33-43. Editorial Complutense, Madrid.
- Andrews, P. (1992). Evolution and environment in the Hominoidea. *Nature* 360, 641-646.
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- Andrews, P. 1995. Time resolution of the Miocene fauna from Pasalar. *J. Hum. Evol.* 28: 343-358.
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Alpagut, B., Andrews, P., Fortelius, M., Kappelman, J., Temizsoy, I., Celebi, H. & Lindsay, W. 1996. A new specimen of *Ankarapithecus meteai* from the Sinap Formation of central Anatolia. *Nature* 382, 349-351.

Pinto, A. & Andrews, P. 1996. Amphibian taphonomy from cave deposits in England. *Comm. Reunion Tafonomia y fosilizacion* 1996, 327-330.

Andrews, P., Harrison, T., Martin, L., Delson, E. & Bernor, R. 1996. Systematics and biochronology of European Neogene catarrhines. In *Evolution of Neogene Continental Biotopes in Europe and the Eastern Mediterranean* (ed. R. Bernor & V. Fahlbusch), pp 168-207. Columbia University Press.

Fortelius, M., Werdelin, L., Andrews, P., Bernor, R., Gentry, A., Humphrey, L., Mittmann, W. & Viranta, S. 1996. Provinciality, diversity, turnover and palaeoecology in land mammal faunas of the later Miocene of western Eurasia. In *Evolution of Neogene Continental Biotopes in Europe and the Eastern Mediterranean* (ed. R. Bernor & V. Fahlbusch), pp 414-448. Columbia University Press.

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Molleson, T. & Andrews, P. 1996. Trace element analyses of bones and teeth from Çatalhöyük. In *On the Surface: Çatalhöyük 1993-1995* (ed. I. Hodder), pp 265-270. British Institute of Archaeology at Ankara.

Denys, C., Williams, C.T., Dauphin, Y., Andrews, P. & Fernandez-Jalvo, Y. 1996. Diagenetical change in Pleistocene small mammal bones from Olduvai Bed I. *Palaeogeog. Palaeoclimat. Palaeoecol.* 126, 121- 134.

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Banham, P. & Andrews, P. 1998. The Bill Bishop Memorial Symposium. *Geoscientist* 8, 4-6.

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Andrews, P. & Armour-Chelu, M. 1998 Taphonomic observations on a surface bone assemblage in a temperate environment. *Bull. Geol. Soc. France* 169, 433-442.

King, T., Andrews, P. & Boz, B. 1998. Effect of taphonomic processes on dental microwear. *Am. J. Phys. Anthropol.* 108, 359-373.

Fernandez-Jalvo, Y., Denys, C., Andrews, P., Williams, T., Dauphin, Y. & Humphrey, L. 1998. Taphonomy and palaeoecology of Olduvai Bed-I (Pleistocene, Tanzania). *J. Hum. Evol.* 34, 137-172.

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