

CURRICULUM VITAE
Brenda R. Benefit

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Professional Employment

2004-current Professor of Anthropology, New Mexico State University
2004-2007 Department Head, Sociology and Anthropology
New Mexico State University
2002-2004 Associate Professor of Anthropology, New Mexico State University
1995-2002 Associate Professor of Anthropology, Southern Illinois University
2000-2001 College Associate Professor, Sociology and Anthropology, New Mexico
State University
1990-1995 Assistant Professor of Anthropology, Southern Illinois University
1989-1990 Lecturer, San Francisco State University
1989-1990 Lecturer, Laney and Merrit Community Colleges, Oakland, CA
1982-2003 Research Affiliate in Paleontology and Paleoanthropology, National
Museums of Kenya

Education

Ph.D. Department of Anthropology, New York University (1987)
A.B. Department of Anthropology, Harvard University (1978)

Dissertation Title: The Molar Morphology, Natural History, and Phylogenetic Position of the Middle Miocene Monkey *Victoriapithecus*.

Grants (prior to 2005 primarily for the excavation and analysis of middle Miocene primates and associated Fauna at Maboko Island, Kenya)

2005-2008 Wenner-Gren Foundation for Anthropological Research “Paleontological Field Work and Paleomagnetic Dating of Late Miocene *Sahelanthropus*-Aged Primate-Bearing Deposits at Sahabi, Libya” \$18,699
2005-2007 National Science Foundation (with M. McCrossin and N. Boaz) (\$40,000) for “Paleoanthropological investigation of Miocene to Pliocene primate-bearing deposits at Sahabi and Jabal Zaltan in Eastern Libya: Fossil collection, age and environmental context.
2005-2007 Core Project Funding from the NSF research grant “Revealing Hominid Origins Initiative (RHOI)” directed by Drs. White and Howell of

Brenda R. Benefit

the University of California, Berkeley, \$21,000 for the field research.

For the excavation and analysis of Middle Miocene primates on Maboko Island, Kenya:

- 2003 L.S.B Leakey Foundation (\$6,000)
New Mexico State University, College of Arts and Science Minigrant (\$2,000)
- 1995-2000 National Science Foundation (with M. McCrossin) (\$211,000, including three Research Experience for Undergraduate Awards).
- 1999 Summer Faculty Research Fellowship - Office of Research Development and Administration, Southern Illinois University (\$4,000)
- 1992-1995 National Science Foundation (\$230,000)
- 1990-1991 Summer Faculty Research Fellowship - Office of Research Development and Administration, Southern Illinois University (\$3,333)
- 1991-1992 Special Project Research Grant - Office of Research Development and Administration, Southern Illinois University (\$16,000)
- 1992 L.S.B. Leakey Foundation Research Grant (\$12,500)
- 1988-1989 National Geographic Society Research Grant (\$15,000)
Fulbright Collaborative Research Grant, Kenya (\$15,000)
L.S.B. Leakey Foundation Research Grant (\$5,000)
Boise Fund of Oxford University Research Grant (\$500)
- 1987-1988 L.S.B. Leakey Foundation Research Grant (\$5,000)
Wenner-Gren Foundation for Anthropological Research (\$7,000)
- 1982-1983 ITT International Fellowship - Kenya (\$12,000)

Publications

- Benefit, B.R., McCrossin, M.L. and Miller, E.R. Mandibular morphology of *Victoriapithecus macinessi* from the middle Miocene Maboko Formation, Kenya: Implications for its generic distinction from *Prohylobates*. Submitted to *Journal of Human Evolution*, MS #181.
- Ryan, T. M., Silcox, M. T., Walker, A., Mao, X., Begun, D., Benefit, B., Gingerich, P., Kohler, M., Kordos, L., McCrossin, M.L., Moya-Sola, S., Sanders, W., Seiffert, E., Simons, E., Zalmot, I., Spoor, F. Evolution of locomotion in Anthropoidea: the semicircular canal evidence. Submitted to *Proceedings of the Royal Society Biological Sciences (London)*.
- 2012 Geraads, D., McCrossin, M. L. Benefit, B. R., A new rhinoceros, *Victoriaceros kenyensis* gen. et sp. nov., and other Perissodactyla from the Middle Miocene of Maboko, Kenya. *Journal of Mammalian Evolution*. 19(1): 57-75.
- 2009 Miller, E.R., Benefit, B.R., McCrossin, M.L., Plavcan, J.M., Leakey, M.G., El-Barkooky,

- A.N., Hamdan, M.A., Abdel Gawad M.K., Ali, S.M., and Simons, E.L.
Systematics of early and middle Miocene Old World monkeys. *Journal of Human Evolution* 57 (3):195-211.
- 2008 Benefit, B.R. The biostratigraphy and palaeontology of fossil cercopithecoids from eastern Libya. In Salem, M.J. et al. eds. *Geology of East Libya*. Vol. 3, pp 247-266.
- 2008 Benefit, B.R., McCrossin, M., Boaz, N., Pavlakis, P. New Fossil Cercopithecoids from the Late Miocene of As Sahabi, Libya. *Garyounis Scientific Bulletin*, Special Issue No. 5, pp. 265-282.
- 2006 Blue, K., McCrossin, M. and Benefit, B. Terrestriality in a Middle Miocene Context: *Victoriapithecus* from Maboko, Kenya In Ishida, H., Tuttle, R.H., Pickford, M., Nakatsukasa, M., and Ogihara, N. eds. *Human Origins and Environmental Backgrounds*. pp. 45-58 New York: Kluwer Academic.
- 2003 Benefit, B.R. Book Review: *Primate Dentition: An Introduction to the Teeth of Non-Human Primates* By Daris R. Swindler (2002). Cambridge: Cambridge University Press. 296 pp. £55 (hardcover). ISBN 0 521 65289 8. *Journal of Human Evolution* 44: 393-394.
- 2002 Benefit, B.R. and McCrossin, M.L. Old World monkeys: The Miocene emergence In Hartwig, Walter ed. *The Primate Fossil Record* pp. 241-253. Cambridge University Press.
- 2002 Rae, T., Koppe, T., Spoor, F., Benefit, B., and McCrossin, M. Ancestral loss of the maxillary sinus in Old World monkeys and independent acquisition in Macaques. *American Journal of Physical Anthropology*, 117:293-296.
- 2002 Retallack, G.J., Wynn, J.G., Benefit, B.R. & McCrossin, M.L. Paleosols and paleoenvironments of the middle Miocene, Maboko Formation, Kenya. *Journal of Human Evolution* 42: 659-703.
- 2002 Benefit, B.R. Book Review: *Body Mass in Cercopithecidae (Primates, Mammalia): Estimation and Scaling in Extinct and Extant Taxa*. *Anthropological Papers* 83. Eric Delson, Carl J. Terranova, William L. Jungers, Eric J. Sargis, Nina G. Jablonski and Paul C. Dechow. American Museum of Natural History. *American Journal of Physical Anthropology* 118: 406-409.
- 2000 Benefit, B.R. Old World monkey origins and diversification: an evolutionary study of diet and dentition. In P.F. Whitehead and C.J. Jolly (eds): *Old World Monkeys*, 133-179. Cambridge: Cambridge University Press.
- 2000 Benefit, B.R. and McCrossin, M.L. Middle Miocene Hominoid Origins (*Equatorius* is a combination of *Kenyapithecus* and *Nacholapithecus*) *Science* vol. 287: 2375a.
- 1999 Benefit, B.R. *Victoriapithecus*, the key to Old World monkey and catarrhine origins. *Evolutionary Anthropology* 7 (5): 155-174. (and cover photograph)
- 1999 Benefit, B.R. Biogeography, dietary specialization and the diversification of African Plio-Pleistocene monkeys. In T.G. Bromage and F. Schrenk (eds.): *African Biogeography, Climate Change, and Human Evolution*, pp. 172-188. Oxford: Oxford University Press
- 1998 McCrossin, M.L. and Benefit, B.R., Gitau, S.N, Palmer, A. and Blue, K. 1998 Fossil evidence for the origins of terrestriality among Old World monkeys and apes. In E. Strasser, J.G. Fleagle, H.M. McHenry and A.L. Rosenberger (eds.): *Primate Locomotion: Recent Advances*, pp. 353-396, New York: Plenum.
- 1997 Benefit, B.R. and McCrossin, M.L. Earliest known Old World monkey skull. *Nature* 388:368-371. (and cover photograph)

- 1997 McCrossin, M.L. and Benefit, B.R. On the relationships and adaptations of *Kenyapithecus*, a large-bodied hominoid from the middle Miocene of eastern Africa. In D.R. Begun, C.V. Ward and M.D. Rose (eds.): *Miocene Hominoid Fossils: Functional and Phylogenetic Implications*. New York: Plenum. pp. 241-267.
- 1995 Benefit, B.R. and McCrossin, M.L. Miocene hominoids and hominid origins. *Annual Review of Anthropology* 1995 24:237-256.
- 1995 Benefit, B.R. *Theropithecus: The Rise and Fall of a Primate Genus*. N.G. Jablonski (ed.) *International Journal of Primatology*. 16:167-170.
- 1994 Benefit, B.R. Phylogenetic, paleodemographic, and taphonomic implications of *Victoriapithecus* deciduous teeth. *American Journal of Physical Anthropology* 95:277-331.
- 1994 McCrossin, M.L. and Benefit, B.R. Maboko Island and the evolutionary history of Old World monkeys and apes. In R.S. Corruccini and R.L. Ciochon (eds.): *Integrative Paths to the Past: Paleoanthropological Advances in Honor of F.C. Howell*. New York: Prentice-Hall, pp. 95-122.
- 1993 McCrossin, M.L. and Benefit, B.R. Recently recovered *Kenyapithecus* mandible and its implications for great ape and human origins. *Proceedings of the National Academy of Science USA* 90:1962-1966.
- 1993 Benefit, B.R. The permanent dentition and phylogenetic position of *Victoriapithecus* from Maboko Island, Kenya. *Journal of Human Evolution* 25:83-172.
- 1993 Benefit, B.R. and McCrossin, M.L. On the lacrimal fossa of Cercopithecoidea, with special reference to cladistic analysis of Old World monkey relationships. *Folia Primatologica* 60:133-145.
- 1993 Benefit, B.R. and McCrossin, M.L. The facial anatomy of *Victoriapithecus* and its relevance to the ancestral cranial morphology of Old World monkeys and apes. *American Journal of Physical Anthropology* 92:329-370.
- 1992 Benefit, B.R. and McCrossin, M.L. *Kenyapithecus* from Maboko Island. In J.A. Van Couvering (ed.): *Apes or Ancestors?* New York: American Museum of Natural History, pp. 11-12.
- 1992 McCrossin, M.L. and Benefit, B.R. Comparative assessment of the ischial morphology of *Victoriapithecus macinnesi*. *American Journal of Physical Anthropology* 87: 277-290.
- 1991 Benefit, B.R. and McCrossin, M.L. Ancestral facial morphology of Old World higher primates. *Proceedings of the National Academy of Science USA* 88:5267-5271.
- 1990 Benefit, B.R. and McCrossin, M.L. Diet, species diversity and distribution of African fossil baboons. *Kroeber Anthropological Society Papers* 71/72:77-93.
- 1989 Benefit, B.R. and McCrossin, M.L. New primate fossils from the middle Miocene of Maboko Island, Kenya. *Journal of Human Evolution* 18:493-497.
- 1986 Benefit, B.R. and Pickford, M. Miocene fossil cercopithecoids from Kenya. *American Journal of Physical Anthropology* 69:441-464.
- 1983 Benefit, B.R. The faunal remains. In Wells, P.S. (ed.) *Rural Economy in the Early Iron Age. Excavations at Hascherkeller, 1978-1981. American School of Prehistoric Research Bulletin* 36, pp. 95-108.
- 1981 Wells, P.S., Benefit, B.R., Quillian, C.C and Stubbs, J.D. Excavations at Hascherkeller in Bavaria: Field research into the economy of a Late Bronze/Early Iron Age Village. *Journal of Field Archaeology* 8:289-302.

Published Abstracts and Conference Presentations

- 2012 Benefit, B.R., Simons, E., Diop, O.M., Diallo, M., Sall, A.A., Hanley, K.A., Weaver, S.C., Cummings, D.D. Patterns of Dental eruption and growth in a wild population of Guinea baboons (*Papio h. papio*) in the Department of Kedougou, Senegal. *American Journal of Physical Anthropology* pg. 49. Presented April 2012 AAPA meeting Portland, Oregon.
- 2012 McCrossin, F. and Benefit, B.R. Growing up gibbon: evidence for teaching and social learning in a cooperatively breeding ape, the siamang (*Symphalangus syndactylus*) at the El Paso Zoo. *American Journal of Physical Anthropology* Pg. 6.5 Presented April 2012 AAPA meeting Portland, Oregon.
- 2012 Arney, I.D. McCrossin, M.L., Benefit, B.R. Ape-like mobility in the semi-terrestrially adapted foot of *Kenyapithecus africanus*. *American Journal of Physical Anthropology* pg. 29. Presented April 2012 AAPA meeting Portland, Oregon.
- 2012 Lichtenberg, J., Simmons, J., Benefit, B.R, McCrossin F., Kautz, T., Arney, I., Diaz, L.C., Diaz, M., Diaz, R., Milne, R., Shendo, B. Differences between black howler (*Alouatta pigra*) group size and pattern of vocalization in two ecologically different populations in northern Belize. *American Journal of Physical Anthropology* pg. 39. Presented April 2012 AAPA meeting Portland, Oregon.
- 2012 Diaz, L.C., Arney, I.D., Lichtenberg, J., Simmons, R., Diaz, R., Shendo, B., Milne, R., McCrossin, F., Kautz, T., Diaz, M., Benefit, B., McCrossin, M.L. Promiscuous mating with an aggregation of males by a female black handed spider monkey (*Ateles geoffroyi*) in northern Belize. *American Journal of Physical Anthropology* pg. 39. Presented April 2012 AAPA meeting Portland, Oregon.
- 2010 Gonzales, L.A., Benefit, B.R., Spoor, F., Morris, P., and McCrossin, M.L., The combination of a small brain, large olfactory bulb and high visual acuity in the stem middle Miocene cercopithecoid *Victoriapithecus macinnesi*. Submitted for presentation at the 2010 AAPA meeting in Albuquerque, NM.
- 2009 Benefit, B.R., Salem, R.M., McCrossin, M.L., Boaz, N.T., and Pavlakis, P. New fossil papionins from the Late Miocene of As Sahabi, Libya. *American Journal of Physical Anthropology* vol. 137 (S48): 125. Presented March 2009 at AAPA meetings in Chicago, IL.
- 2009 Gonzales, L.A., Spoor, F., Morris, P., and Benefit, B. The internal basicranial morphology of *Victoriapithecus macinnesi*. *American Journal of Physical Anthropology* vol. 137 (S48): 203. Presented March 2009 at AAPA meetings in Chicago, IL.
- 2008 Benefit, B.R., Lambie, A. and Hoskins, M. Frequency variation *Victoriapithecus macinnesi* non-metric molar traits through time. *American Journal of Physical Anthropology* vol. 135 (S46): 11. Presented March 2008 at AAPA meetings in Columbus, Ohio.
- 2007 Benefit, B.R Adaptations and relationships of North African Miocene cercopithecoids. *American Journal of Physical Anthropology* S44: 72. Presented March 2007 at AAPA meetings in Philadelphia.
- 2006 Miller, E.R. and Benefit, B.R. A Revision of the Victoriapithecidae. Presented at the 2006 meeting of the American Association of Physical Anthropologists. *American Journal of Physical Anthropology* S42: 131.
- 2006 Benefit B.R. Late Miocene Cercopithecoids of North Africa. Presented November

- 24, 2006 at the Euro-African Biotic Evolution in the Neogene Research Conference and Workshop, Athens, Greece.
- 2005 Benefit, B.R., Lynch, E.M., Ghoshroy, S. and Kersey, S. Dietary adaptations of early and middle Miocene dendropithecids and other small-bodied non-cercopithecoid catarrhines from Kenya. Presented at the 2004 meeting of the American Association of Physical Anthropologists, Milwaukee, WI. *American Journal of Physical Anthropology* 39: pp. 75-76.
- 2005 Benefit, B.R., Lynch, E.M., M.L. McCrossin, Ghoshroy, S. and Kersey, S. Preliminary analysis of dental microwear and diet in kenyapithecine hominoids from the middle Miocene of Fort Ternan and Maboko Island, Kenya. Presented at the Paleoanthropology Society Meetings, Milwaukee, WI.
- 2004 Benefit, B.R. and Lynch, E. The effects of time and habitat differences on the dentition of *Victoriapithecus macinnesi* from middle Miocene deposits at Maboko. Presented at the 2004 meeting of the American Association of Physical Anthropologists, Tampa, Florida. *American Journal of Physical Anthropology* 38 (Suppl.):62.
- 2004 Benefit, B.R. The biostratigraphy and paleontology of fossil cercopithecoids from eastern Libya. Accepted for presentation at the Sedimentary Basins of Libya Third Symposium: Geology of East Libya, held in Benghazi, Libya Nov 20-28.
- 2003 Benefit, B.R. A comparison of *Kenyapithecus* and *Simiolus* from middle Miocene deposits at Fort Ternan and Maboko Island. Presented at the 2003 meeting of the American Association of Physical Anthropologists, Tempe. *American Journal of Physical Anthropology* 36 (Suppl.): 64.
- 2003 Blue, K., McCrossin, M.L. and Benefit, B.R. Terrestriality in a Middle Miocene context: *Victoriapithecus* from Maboko, Kenya. Presented March 20 at the "Human Origins and Environmental Backgrounds" International Symposium, Kyoto University, Kyoto Japan.
- 2002 Benefit, B.R. and McCrossin, M.L. Canine sexual dimorphism in four middle Miocene catarrhines from Maboko Island, Kenya. Presented at the American Association of Physical Anthropologists Meetings, Buffalo. *American Journal of Physical Anthropology* 34 (Suppl.): 43.
- 2001 Benefit, B.R. and M.L. McCrossin Craniodental comparisons of *Mabokopithecus* with *Oreopithecus* support an African origin of Oreopithecidae. Presented at the American Association of Physical Anthropologists Meetings, Kansas City. *American Journal of Physical Anthropology* 32 (Suppl.): 37-38.
- 2001 Palmer, A.K., Benefit, B.R., and McCrossin, M.L. Lessons from the study of microwear variation within and between populations of middle Miocene primate species at Maboko Island. Presented at the American Association of Physical Anthropologists Meetings, Kansas City. *American Journal of Physical Anthropology* 32 (Suppl.): 116-117.
- 2001 Reitz, J.J. and Benefit, B.R. Dental microwear in *Mesopithecus pentelici* from the late Miocene of Pikermi, Greece. Presented at the American Association of Physical Anthropologists Meetings, Kansas City. *American Journal of Physical Anthropology* 32 (Suppl.): 125.
- 2001 Watt, C.K. and Benefit, B.R. Dental microwear in two species of fossil papions: *Parapapio*

- ado* from East Africa and *Parapapio jonesi* from South Africa. Presented at the American Association of Physical Anthropologists Meetings, Kansas City. *American Journal of Physical Anthropology* 32 (Suppl.): 160.
- 2000 Benefit, B.R. and McCrossin, M.L. New Perspectives on the taxonomy and phylogeny of large-bodied hominoids from the middle Miocene of Kenya. Presented at the Annual Meetings of the American Association of Physical Anthropologists, San Antonio. *American Journal of Physical Anthropology* 30 (Suppl.): 106.
- 2000 McCrossin, M.L. and Benefit, B.R. Locomotor diversity among large-bodied hominoids from the middle Miocene of Africa. Presented at the Annual Meetings of the American Association of Physical Anthropologists, San Antonio. *American Journal of Physical Anthropology* 30 (Suppl.): 224.
- 2000 Gitau, S.N., Benefit, B.R., Johnson, K.B. and McCrossin, M.L. New dental remains of *Kenyapithecus africanus* from Maboko Island, Kenya support the congeneric status of *Kenyapithecus wickeri* and *K. africanus*. Presented at the Annual Meetings of the American Association of Physical Anthropologists, San Antonio. *American Journal of Physical Anthropology* 30 (Suppl.): 159.
- 2000 Palmer, A.K., Benefit, B.R., McCrossin, M.L. Does dental microwear analysis confirm or reject dietary predictions based on functional dental morphology? A comparative test case for fossil primates utilizing the middle Miocene primates from Maboko Island, Kenya. Presented at the Annual Meetings of the American Association of Physical Anthropologists, San Antonio. *American Journal of Physical Anthropology* 30 (Suppl.): 244.
- 2000 Johnson, K.B., McCrossin, M.L. and Benefit, B.R. Circular shapes do not an ape make: Comments on interpretation of the inferred *Morotopithecus* scapula. *American Journal of Physical Anthropology* 30 (Suppl.): 189.
- 1999 Benefit, B.R. Mandibular evidence bearing on the phylogenetic position of *Victoriapithecus* and its relationship to *Prohylobates*. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Columbus Ohio. *American Journal of Physical Anthropology* 28 (Suppl.): 90.
- 1999 Benefit, B.R. The dentition of *Kenyapithecus africanus* from Maboko: further evidence supporting its close relationship to *Kenyapithecus wickeri*. Presented at "Evolution of Middle and Late Miocene Hominoids in Africa, International Symposium, Kyoto International Conference Hall, Takaragaike, Kyoto Japan, July 11-13.
- 1999 Benefit, B.R. History of Maboko Excavations. Presented at "Evolution of Middle and Late Miocene Hominoids in Africa, International Symposium, Kyoto International Conference Hall, Takaragaike, Kyoto Japan, July 11-13.
- 1999 Moore, W.D., Benefit, B.R., and McCrossin, M.L. Functional morphology of the cranio-orbital region in *Theropithecus brumpti*: Taxonomic and phylogenetic implications. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Columbus Ohio. *American Journal of Physical Anthropology* 28 (Suppl.): 205.
- 1999 Palmer, A., Benefit, B.R., McCrossin, M.L. Was *Kenyapithecus africanus* a sclerocarp feeder? An exploration of the dietary adaptations of a middle Miocene hominoid through anterior dental microwear analysis. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Columbus Ohio. *American Journal of Physical Anthropology* 28 (Suppl.): 217.

- 1999 Zambon, S.N., McCrossin, M.L. and Benefit, B.R. Estimated body weight and degree of sexual dimorphism for *Victoriapithecus macinnesi*, a Miocene cercopithecid. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Columbus Ohio. *American Journal of Physical Anthropology* 28 (Suppl.): 284.
- 1998 Benefit, B.R., Gitau, S.N., and McCrossin, M.L. A mandible of *Mabokopithecus clarki* sheds new light on oreopithecid evolution. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Salt Lake City, UT *American Journal of Physical Anthropology* 26 (Suppl):109.
- 1998 Gitau, S.N., Benefit, B.R., McCrossin, M.L., and Roedl, T. Fossil primates and associated fauna from 1997 excavations at the middle Miocene site of Maboko Island, Kenya. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Salt Lake City, Utah *American Journal of Physical Anthropology* 26 (Suppl.): 87
- 1998 Palmer, A.K., Benefit, B.R., McCrossin, M.L. and Gitau, S.N. Paleoeological implications of dental microwear analysis for the middle Miocene primate fauna from Maboko Island, Kenya. Presented at the Annual Meetings of the American Association of Physical Anthropologists *American Journal of Physical Anthropology* 26 (Suppl.):175.
- 1998 McCrossin, M.L., Benefit, B.R., and Gitau, S.N. Functional and phylogenetic analysis of the distal radius of *Kenyapithecus*, with comments on the origin of the African great ape and human clade. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Salt Lake. *American Journal of Physical Anthropology* 26 (Suppl.): 158-159.
- 1997 Benefit, B.R. Interpreting early hominid paleoenvironment based on the biogeography and adaptations of African Plio-Pleistocene monkeys. Presented at the 1997 Paleoanthropology Society Meetings in St. Louis. *Journal of Human Evolution*.
- 1997 Benefit, B.R. and M.L. McCrossin 1997 New fossil evidence bearing on the relationships of *Nyanzapithecus* and *Oreopithecus*. Presented at the the Annual Meetings of the American Association of Physical Anthropologists in St. Louis. *American Journal of Physical Anthropology* 24 (Suppl.):74.
- 1996 Muhlbachler, M.C., McCrossin, M.L., Benefit, B.R. Body size distribution and the evolution of African primate community structure. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Durham, North Carolina. *American Journal of Physical Anthropology* 22 (Suppl.):130.
- 1995 Benefit, B.R. Earliest Old World monkey skull. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Oakland. *American Journal of Physical Anthropology* 20 (Suppl.):64.
- 1995 Gitau, S.N. and Benefit, B.R. New evidence concerning the facial morphology of *Simiolus leakeyorum* from Maboko Island. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Oakland. *American Journal of Physical Anthropology* 20 (Suppl.):99.
- 1995 Hynes T. and Benefit, B.R. Phylogenetic relationships of the long-snouted fossil colobines. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Oakland. *American Journal of Physical Anthropology* 20 (Suppl.):115.
- 1994 Benefit, B.R. and McCrossin, M.L. Comparative study of the dentition of *Kenyapithecus*

- africanus* and *K. wickeri*. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Denver. *American Journal of Physical Anthropology* 18 (Suppl.):43.
- 1993 McCrossin, M.L. and Benefit, B.R. Clues to the relationships and adaptations of *Kenyapithecus africanus* from its mandibular and incisor morphology. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Toronto. *American Journal of Physical Anthropology* 16 (Suppl.):143.
- 1993 Benefit, B.R. and McCrossin, M.L. New *Kenyapithecus* postcrania and other primate fossils from Maboko Island, Kenya. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Toronto. *American Journal of Physical Anthropology* 16 (Suppl.):55-56.
- 1992 Benefit, B.R. The phylogeny and paleodemography of *Victoriapithecus* - new evidence from the deciduous dentition. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Las Vegas. *American Journal of Physical Anthropology* 14 (Suppl.):48
- 1992 McCrossin, M.L. and Benefit, B.R. Systematic implications of cercopithecine lacrimal fossa patterns. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Las Vegas. *American Journal of Physical Anthropology* 14 (Suppl.):119-120.
- 1992 McCrossin, M.L. and Benefit, B.R. Maboko Island and the evolutionary history of Old World monkeys and apes. Invited paper for "Integrative Pathways to the Past: Paleoanthropological Papers in Honor of F. Clark Howell", symposium of the 91st Annual Meeting of the American Anthropological Association, San Francisco, December 4, 1992. *American Anthropological Association Abstracts of the 91st Annual Meeting*:226.
- 1991 Benefit, B.R. The taxonomic status of Maboko small apes. Presented at the Annual Meetings of the American Association of Physical Anthropologists, Milwaukee. *American Journal of Physical Anthropology* 12:50-51.
- 1990 Benefit, B.R. Fossil evidence for the dietary evolution of Old World monkeys. Presented at the Annual meetings of the American Association of Physical Anthropologists, Miami. *American Journal of Physical Anthropology* 81:193.
- 1989 Benefit, B.R. and McCrossin, M.L. The facial morphology of *Victoriapithecus*. Presented at the Annual meetings of the American Association of Physical Anthropologists, San Diego. *American Journal of Physical Anthropology* 78:191.
- 1989 McCrossin, M.L. and Benefit, B.R. Ischium of *Victoriapithecus*. Presented at the Annual meetings of the American Association of Physical Anthropologists, San Diego. *American Journal of Physical Anthropology* 81:265-266.

Professional Workshops and Symposia

2010 Turkana Basin Institute

2009 One of seven scholars invited to participate in the "Cercopithecoid Analytic Working Group" sponsored by the NSF funded Research Initiative in Hominid Origins (RIHO) which held its second workshop at Pennsylvania State University in April, 2009. The focus of the workshop is on the evolution of late Miocene Old World monkeys.

2006 Euro-African Biotic Evolution in the Neogene, A research conference and workshop. Nov 23-24, University of Athens, Greece.

2004 One of six scholars invited to participate in the "Cercopithecoid Analytic Working Group"

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sponsored by the NSF funded Research Initiative in Hominid Origins (RIHO) which held its first workshop at the California Academy of Natural Sciences in San Francisco in December 2004. The focus of the workshop is on the evolution of late Miocene Old World monkeys.

- 1999 “Evolution of Middle and Late Miocene Hominoids in Africa” (one of six invited foreign speakers) international symposium Kyoto International Conference Hall, Takaragaike, Kyoto Japan, July 11-13, 1999, organized by Prof. Hidemi Ishida, Kyoto University.
- 1995 McCrossin, M.L., Benefit, B.R., and Blue, K.T. Fossil evidence for the origins of terrestriality among Old world monkeys and apes. Presented at the "Primate Locomotion - 1995" conference, University of California at Davis, March 27, 1995.
- 1995 Benefit, B.R. Biogeography, dietary specialization and the diversification of African Plio-Pleistocene monkeys. Paper contributed to the Wenner-Gren Foundation for Anthropological Research International Symposium no. 119, Salima, Malawi, October 25-November 2, 1995.
- 1992 One of 15 international paleoanthropologists invited to participate in the "Apes or Ancestors?" Workshop on Miocene hominoids, held March 28, 1992 at the American Museum of Natural History.

Fieldwork

- 2005-2010 Paleoanthropological field work at Sahabi and Jabal Zaltan, Libya.
- 1987-1997 Directed eight paleoanthropological field seasons (totaling 16 months) of excavation at the middle Miocene Maboko Formation, western Kenya.
- 1978-1981 Laboratory supervisor, faunal analyst and excavator at Hascherkeller, Landshut, Germany.
- 1980 Paleontological survey and excavation at the Late Miocene Sahabi Formation, Libya.
- 1978 Excavation at Hambledon Hill, England.

Museum Research

- 2008 November – Bayerische Staatsammlung for Palaeontologie, National Museums of Kenya, and National Museum of Ethiopia
- 2007 October - American Museum of Natural History
- 2006 British Museum of Natural History;
Museum of Natural History, Paris
Institut for Paleontologic Miguel Crusafont, Sabadell, Barcelona, Spain
- 1982-2003 National Museums of Kenya, Nairobi (total 48 months of study)
- 1989-2006 Museum of Comparative Zoology, Harvard University,
- 2000, 2006 Institut for Paleontologic Miguel Crusafont, Sabadell, Barcelona, Spain
University of Florence Museum of Geology, Florence, Italy
Museum of Natural History, Basel Switzerland
- 1991 National Museum of Natural History, Smithsonian Institution, Washington, D.C.
- 1989 British Museum of Natural History, London
- 1983 Bayerische Staatssammlung fur Palaeontologie, Munich
Senkenbergische Museum, Frankfurt
Museum National d'Histoire Naturelle, Paris

Brenda R. Benefit

Dept. Anthropology, Zurich
1979, 1984 American Museum of Natural History, New York

Professional Service

Editorial Board Member and Associate Editor for the *American Journal of Physical Anthropology* 2000-2004

Membership in: American Association of Physical Anthropologists
American Society of Primatologists
Paleoanthropology Society

Courses Taught at NMSU

Belize Field School in Primate Behavior and Ecology <http://youtu.be/3lQO8hXkAFY>
Anth 130g Human's Place in Nature (with lab)
Anth/Bio 434/534 Human Evolution (with lab)
Anth/Bio 472/572 Primate Behavior and Ecology
Anth 513 Biological Anthropology Method and Theory (core course for MA students)
Dental Anthropology
Catarrhine Evolution
Human Diversity and Health
Comparative Primate Anatomy

Graduate Students Advised

Completed degrees chaired at Southern Illinois University: Kelley Cichy (PhD), Chris Watts, Justin Reitz, Stephen Gitau, Candace Davis, Mike Strazewski, and Angela Palmer; chaired at New Mexico State University: Elizabeth Lynch (currently PhD program U. Wyoming), Matt Hoskins (currently MD program, U. Indiana), Lauren Gonzales (currently PhD program Duke U.), Tara Clarke (currently PhD program U. Victoria), Tobi Avaloz (currently PhD program U. Iowa), Rutger Jansma (currently PhD program U. Minnesota), Evans Simons (currently PhD Program at U. Oregon), Rami Salem (currently PhD program Boston U), Kristi Cantu, Amy Lambi, and Veronica Gutierrez. Very active member of the following MA thesis committees at New Mexico State University: Irisa Arney (currently PhD program U. Michigan), Kari Allen (currently PhD program Duke U), Lara Reyes (currently PhD program George Washington U), Jennifer Danzy (PhD U. Wisconsin), Dyanna Morkun, Bernadette Ortega, Carla Ruiz-Escabi, Rosacelli Ortega, Stephanie Magaha, and Ana Lujan.