

Herbert H. Covert, Professor of Anthropology
University of Colorado, Boulder, Colorado

Education:

Ph.D. in Anthropology Duke University 1985
M.A. in Anthropology Arizona State University 1978
B.A. in Anthropology University of Massachusetts 1976

Title of Dissertation: "The adaptations and evolutionary relationships of the Eocene Primate Family Notharctidae", advisor: Dr. Richard F. Kay.

Professional History:

Chair, Department of Sociology, University of Colorado, 2017 – present.
Chair, Department of Anthropology, University of Colorado, 2010 – 2015.
Professor of Anthropology, University of Colorado, 2005 – present.
Associate Professor of Anthropology, University of Colorado, 1993 - 2005.
Assistant Professor of Anthropology, University of Colorado, 1986 - 1993.
Associate Curator, University of Colorado Museum, 1989 – present.
Post-Doctoral Fellow, Department of Orthodontics, University of Connecticut Health Center, 1985-1986.
Visiting Instructor of Anthropology, University of Massachusetts, 1983-1985.

Professional Affiliations

Member, American Association of Physical Anthropologists
Member, American Association of Anthropologists
Member, International Primatological Society
Member, Southeast Asia Primatology Association
Member, American Society of Primatology
Member, Fulbright Association

Honors

University of Colorado's Graduate School Outstanding Faculty Mentor Award 2016/2017
University of Colorado's Office of International Education's Global Citizen of the Year for 2010
Fulbright Scholar Award, 2008-2009, for work with the Center for Biodiversity and Development of the Institute of Tropical Biology, Ho Chi Minh City, Vietnam.
Fulbright Scholar Award, 2001-2002, for work with the Geology Museum of the Department of Geology and Minerals of Vietnam, Hanoi, Vietnam.
Boulder Faculty Assembly Excellence in Teaching Award, 1998-1999.
Junior Teaching Scholar Award from the President's Teaching Scholars Program, University of Colorado. Nov. 1989.
The Ales Hrdlicka Prize, student paper award, 51st Meeting of the American Association of Physical Anthropologists, 1981.

Internal Funding

Junior Faculty Development Award from Council on Research and Creative Work, The Graduate School, University of Colorado, 1987. "Quantitative Analysis of the Dental Microwear of the Earliest Primates: A New Hypothesis on Dietary Specialization". Total award, \$5,000.

Council on Teaching Grant-in-Aid Award, Academic Affairs, University of Colorado, 1987. "Early Cenozoic Paleontology in Colorado: Opportunities for Undergraduate Students to Participate in Scientific Research." Total award, \$4,300.

Council on Teaching Undergraduate Enrichment Award, Academic Affairs, University of Colorado (with Dennis P. Van Gerven), 1988. "Teaching the fossil evidence for human evolution." Total award, \$4,950.

Undergraduate Research Opportunities Program Project, University of Colorado, 1988. "Undergraduate research opportunities in vertebrate paleontology." Total award, \$2,207.50.

Undergraduate Research Opportunities Program Project, University of Colorado, 1989. "Vertebrate Paleontology of the Washakie Basin, Wyoming." Total award, \$2,250.00.

Council on Teaching Undergraduate Enrichment Award, Academic Affairs, University of Colorado, 1990. "Videos of endangered animals for classroom use." Total award, \$4,492.00.

William H. Burt Museum Fund small grant, University of Colorado Museum, 1990. "Vertebrate Paleontology of the Washakie Basin, Wyoming." Total award, \$803.00.

William H. Burt Museum Fund small grant, University of Colorado Museum, 1991. "Vertebrate Paleontology of the Washakie Basin, Wyoming." Total award, \$530.00.

Undergraduate Enrichment Grant, University of Colorado (with Dr. Darna L. Dufour, Ms. Andre LaFlamboy, and Mr. F.M. Partin) 1992. "Enhancing Undergraduate Learning in a Natural Science Lab." Total award, \$5,000.

Program for Excellence in Undergraduate Education in the College of Arts and Sciences, University of Colorado (with Dr. Darna L. Dufour, Mr. F.M. Partin, and Ms. A. LaFlamboy) 1992. Total award, \$6,100.

Undergraduate Research Opportunities Program Project, University of Colorado, 1992. "Vertebrate Paleontology of the Washakie Basin, Wyoming." Total award, \$1,684.00.

Grant-in-aid, Council on Research and Creative Work, The Graduate School, University of Colorado, 2003. "Paleoanthropology of the Neogene of Vietnam." \$6450

Seed Grant, Council on Research and Creative Work, The Graduate School, University of Colorado, 2003. "Primate Conservation in Vietnam." \$7000

CARTSS Scholars Grant, University of Colorado, 2004 "Workshops on Primate Conservation in Vietnam at CU" \$1000

Implementation of Multicultural Perspectives and Approaches in Research and Teaching Award, University of Colorado, 2004 "Workshops on Primate Conservation in Vietnam at CU Boulder Campus. \$4000

Freeman Grant on East Asia: Travel Award, 2004. "Primate Conservation in Vietnam, Complexities and Contradictions of Globalization" \$4130

Innovative Seed Grant: Biodiversity of Ca Na Pass, Vietnam: understanding threats and developing conservation strategies, 2010. \$40,572

External Funding

National Science Foundation Grant with Dr. Darna L. Dufour "Enhancing Undergraduate

- Learning in the Natural Sciences: A New Curriculum for Laboratory Classes in Biological Anthropology." \$160,468 for Feb. 1993 through July, 1996.
- L.S.B. Leakey Foundation Grant "New North American Omomyid Material: Adaptive Diversity and Phylogenetic Implications". \$6,000 for July 1, 1994 through June 30, 1995.
- L.S.B. Leakey Foundation Grant with Dr. Mark Hamrick "Survey for Primate Paleontological Resources in the Socialist Republic of Vietnam." \$12,000 for May 1, 1998 through April 30, 1999.
- National Geographic Society Grant with Dr. Mark Hamrick "Fossil Primates from the Socialist Republic of Vietnam." \$14,000 for May 1, 1998 through August 15, 1999.
- Wenner-Gren Foundation for Anthropological Research Grant with Dr. Mark Hamrick "International Collaborative Research: Paleoanthropology in the Socialist Republic of Vietnam." \$25,000 for May 1, 1999 through August 15, 2000.
- National Science Foundation Grant proposal "High Risk, Exploratory Research: Collaborative Research -- Paleoanthropology in the Socialist Republic of Vietnam. \$12,000 for January 2001 to December 2001.
- L.S.B. Leakey Foundation Grant proposal "Paleoanthropology of the Neogene in the Socialist Republic of Vietnam" \$7500 for May 2003 - January 2004.
- Primate Conservation, Inc. "Survey of Hatinh and Red-shanked Douc Langurs in Phong Nha-Ke Bang National Park, Viet Nam" \$2400 for May -August 2004.
- Zoological Society of San Diego "Southeast Asian leaf monkey ecology and conservation" \$22,500 July 2004 – July 2005.
- National Geographic Society Grant "Survey of Hatinh and Red-shanked Douc Langurs in Phong Nha-Ke Bang National Park, Viet Nam." \$20,000.
- Margot Marsh Biodiversity Foundation "Conservation of the critically endangered Tonkin snub-nosed monkey in the Khau Ca area of Ha Giang Province, Vietnam." With Barth Wright and Le Khac Quyet. \$20,000 for January – December 2007.
- National Science Foundation BCS 0716268 "Collaborative Research: Conservation and Ecology of the Tonkin Snub-nosed Monkey at Khau Ca, Ha Giang Province, Vietnam" \$54,717 December 15, 2007 - Nov. 30, 2008.
- Primate Conservation Inc. #753 "An investigation on how the daily ranging behavior of the Tonkin snub-nosed monkey is related to habitat structure at Khau Ca forest, Ha Giang Province, Vietnam" With Mr. Thach Mai Hoang. \$3090 for May 15, 2008 – May 14, 2009.
- Primate Conservation Inc. #752 "Ecology and Conservation of the black-shanked douc (*Pygathrix nigripes*) in Cat Tien National Park, Vietnam" With Jonathan O'Brien. \$3010 for May 15, 2008-May 14, 2009.
- Margot Marsh Biodiversity Foundation "The Ecology and Conservation of the Black-shanked douc (*Pygathrix nigripes*) in Cat Tien National Park, Vietnam." With Jonathan O'Brien. \$15,000 for Aug 28, 2008 – Dec. 1, 2009.
- Margot Marsh Biodiversity Foundation "Feeding ecology and conservation of the red-shanked doucs (*Pygathrix nemaeus*) at Son Tra Nature Reserve, Vietnam." With Larry Ulibarri. \$15,000 for Aug. 28, 2008 – Dec. 1, 2009.
- Wenner-Gren Foundation International Collaborative Research Grant "Behavioral Ecology Of Sympatric Colobines: Niche Partitioning At Ta Kou And Nui Ong Nature Reserves. With Dr. Hoang Minh Duc. \$34,900 for July 1, 2009 – September 30, 2010.
- Margot Marsh Biodiversity Foundation (with Center for Biodiversity and Development) "Conservation of the Indochinese and Annamese Silvered langur (*Trachypithecus germaini* and

T. margarita) in southern Vietnam” \$20,000 for January 1, 2012-July 31, 2013

Mohamed bin Zayed Species Conservation Fund “Conservation and Ecology of the Indochinese Silvered langur (*Trachypithecus germaini*) in Vietnam.” \$12,500 for March 1, 2014 – July 31, 2015

Margot Marsh Biodiversity Foundation “Conservation and Ecology of the Indochinese Silvered langur (*Trachypithecus germaini*) in Vietnam.” \$15,000 for June 1, 2014 – July 31, 2015

Primate Action Fund “Supporting the 25th Congress of the International Primatological Society, Hanoi, Vietnam: Meeting the Challenges of Conserving Primate Diversity” \$5000 July 1, 2014-October 23, 2014.

Vietnam Education Foundation “U.S. Faculty Scholar Grant to work with the Department of Ecology and Evolutionary Biology of the Ho Chi Minh City University of Science.” \$50,242 for June 1, 2015 – May 31, 2016.

National Science Foundation "Workshops on Research in the Lower Mekong Basin; September 25-26, 2015-USGS, Laurel, MD and November, 2015-Can Tho, Vietnam." \$99,837 for September 1, 2015 – August 31, 2016.

Bibliography

A. Refereed Journal Articles in Print (names of student coauthors are underlined):

- 1981 Covert, H.H. and R.F. Kay Dental microwear and diet: implications for feeding behaviors of extinct primates with a comment on the dietary pattern of *Sivapithecus*. *Am. J. Phys. Anthropol.*, 55:331-336.
- 1981 Simons, E.L. and H.H. Covert Paleoprimatological research over the last 50 years: foci and trends. *Am. J. Phys. Anthropol.*, 56:373-382.
- 1983 Kay, R.F. and H.H. Covert True grit: a microwear experiment. *Am. J. Phys. Anthropol.*, 61:33-38.
- 1986 Wikander, R., H.H. Covert, D.D. DeBlieux Ontogenetic, intraspecific, and interspecific variation of the prehallux in Primates: implications for its utility in the assessment of phylogeny. *Am. J. Phys. Anthropol.*, 70:513-524.
- 1987 Wible, J.R. and H.H. Covert Primates: cladistic diagnosis and relationships. *J. Hum. Evol.*, 16:1-22.
This article has been republished in: Grine, F.E., J.G. Fleagle, and L.B. Martin (eds.) *Primate Phylogeny*. Academic Press, San Diego, CA (1988).
- 1988 Covert, H.H. Ankle and foot morphology of *Cantius mckennai*: adaptations and phylogenetic implications. *J. Hum. Evol.* 17: 57-70.
This article has been republished in: Strasser, E. and M. Dagosto (eds.) *The Primate Postcrania Skeleton, Studies in Adaptation and Evolution*. Academic Press, San Diego, CA pp. 57-70 (1988).
- 1990 Covert, H.H. Phylogenetic relationships among the Notharctinae. *Am. J. Phys. Anthropol.*, 81:381-398.
- 1991 Sheridan, S.G., D.M. Mittler, D.P. Van Gerven, and H.H. Covert Evidence for the mandible-as-lever model from a Medieval Nubian population. *Am. J. Phys. Anthropol.*

- 85:201-207.
- 1991 Covert, H.H. and B.A. Williams The anterior lower dentition of *Washakius insignis* and adapid - anthropoidean affinities. J. Human Evol. 21:463-467.
- 1993 Covert, H.H. and M.W. Hamrick Description of new skeletal remains of the early Eocene anaptomorphine primate *Absarokius* (Omomyidae) and a discussion about its adaptive profile. J. Human Evol. 25:351-362.
- 1994 Williams, B.A. and H.H. Covert New early Eocene anaptomorphine primate (Omomyidae) from the Washakie Basin, Wyoming, with comments on the phylogeny and paleobiology of anaptomorphines. Am. J. Phys. Anthropol. 93:323-340.
- 1999 Payseur, B.A., H.H. Covert, C.J. Vinyard, and M. Dagosto New body mass estimate for *Omomys carteri* a middle Eocene primate from North America. Am. J. Phys. Anthropol. 109:41-52.
- 2000 Ross, C. and H.H. Covert The petrosal of *Omomys carteri* and the evolution of the primate basicranium. J. Hum. Evol. 39:225-251.
- 2000 Anemone, R.L. and H.H. Covert New skeletal remains of *Omomys* (Primates: Omomyidae): functional morphology of the hindlimb and locomotor behavior of a middle Eocene Primate. J. Hum. Evol. 38:607-633.
- 2001 Covert, H.H., M.W. Hamrick, Trinh Dzanh, and K.C. McKinney Fossil mammals from the late Miocene of Vietnam. Journal of Vertebrate Paleontology. 21(3):633-636.
- 2004 Byron, C. and H.H. Covert Unexpected Locomotor Behavior: brachiation by an Old World Monkey from Vietnam. Journal of Zoology, London 263:101-106.
- 2005 Workman, C.C. and H.H. Covert Learning the Ropes: the ontogeny of locomotion in red-shanked douc (*Pygathrix nemaeus*), Delacour's (*Trachypithecus delacouri*), and Hatinh langurs (*Trachypithecus hatinhensis*) I. Positional Behavior. Amer. J. Phys. Anthropol. 128:371-380.
- 2008 Wright, B.W., L. Ulibarri, J.A. O'Brien, B. Sadler, R. Prodhan, H.H. Covert, and T. Nadler It's tough out there: variation in the toughness of ingested leaves and feeding behavior among four Colobinae in Vietnam. Int. J. Primatol. 29:1455-1466.
- 2008 Wright, K.W., N.J. Stevens, H.H. Covert, and T. Nadler Comparisons of Suspensory Behaviors Among *Pygathrix cinerea*, *P. nemaeus*, and *Nomascus leucogenys* in Cuc Phuong National Park, Vietnam. Int. J. Primatol. 29:1467-1480.
- 2014 Stucky, R.K. and H.H. Covert A new genus and species of early Eocene (Ypresian) Artiodactyla (Mammalia), *Gagadon minimonstrum*, from Bitter Creek, Wyoming, U.S.A., Journal of Vertebrate Paleontology, 34:3, 731-736, DOI: [10.1080/02724634.2013.827580](https://doi.org/10.1080/02724634.2013.827580)
- 2015 Le Hong Thia, Hoang Minh Duc, and Covert, H.H. Nghien Cuu Thanh Phan Thuc An Cua Vooc Bac Dong Duong (*Trachypithecus germaini* Milne-Edwards, 1876) Tai Khu Vuc Nui Da Voi Huyen Kien Luong, Tinh Kien Giang (The Study of the Diet of the Indochinese silvered langur (*Trachypithecus germaini* Milne-Edwards, 1876) in Kien Luong Karst Area, Kien Giang Province). Tap Chi Cong nghe Sinh hoc (Journal of Biotechnology) 13(4A): 1185-1193.
- 2016 Ang, A., Srivathsan, A., Meier, R., Tuong Bach Luu, Le Khac Quyet, Covert, H.H. No evidence for mitochondrial genetic variability in the largest population of critically endangered Tonkin snub-nosed monkeys in Vietnam. Primates 57:449–453 DOI 10.1007/s10329-016-0571-x

- 2017 Bang Van Tran, Minh Anh Nguyen, Dat Quoc Nguyen, Quan Bich Thi Truong, Ang, A. Covert, H.H., Duc Minh Hoang. Current conservation status of Germain's langur (*Trachypithecus germaini*) in Vietnam. *Primates* Published online May 10, 2017 DOI 10.1007/s10329-017-0610-2

B. Refereed Book Chapters in Print:

- 1984 Kay, R.F. and Covert, H.H. Anatomy and behavior of extinct primates. In D.J. Chivers, B.A. Wood, and A. Bilsborough (eds.) *Food Acquisition and Processing in Primates*. Plenum Press, N.Y., pp. 346-388 [invited].
- 1986 Covert, H.H. Biology of early Cenozoic Primates. In D.R. Swindler and J. Erwin (eds.) *Comparative Primate Biology, Systematics, Evolution, and Anatomy*. Alan R. Liss, Inc. Press, N.Y., pp.335-359 [invited].
- 1994 Covert, H.H. and Williams, B.A. Recently recovered North American Eocene omomyids and adapids and their bearings of debates about anthropoid origins. J.G. Fleagle and R.F. Kay (eds.) *Anthropoid Origins*. Plenum Press, N.Y. pp.29-54 [invited].
- 2002 Covert, H.H. The earliest fossil primates and the evolution of prosimians: Introduction. In W.C. Hartwig (ed) *The Primate Fossil Record*. Cambridge University Press, Cambridge pp. 13-20 [invited].
- 2003 Covert, H.H. Does Overlap Among the Adaptive Radiations of Omomyoids, Adapoids, and Early Anthropoids Cloud our Understanding of Anthropoid Origins? In C. Ross and R.F. Kay (eds) *Anthropoid Origins*. Kluwer Academic Press, NY, P. 129-145 [invited].
- 2008 Covert, H.H., Le Khac Quyet, and Wright, B.W. On the brink of extinction: conservation and ecology of the Tonkin snub-nosed monkey (*Rhinopithecus avunculus*). J.G. Fleagle and C.C. Gilbert, eds. *Elwyn Simons: A Search for Origins*. Springer Science and Business Media: New York, pp.409-27.

C. Non-refereed Articles and Book Chapters in Print:

- 1995 Covert, H.H. Locomotor adaptations of Eocene primates: adaptive diversity among the earliest primates. In K. Izard, L. Alterman, and G.A. Doyle (eds.) *The Nocturnal Prosimians*. Plenum Press, N.Y. pp.495-509[invited].
- 1997 Covert, H.H. The early primate adaptive radiations and new evidence about anthropoid origins. N.T. Boaz and L.D. Wolfe, (eds.) *Biological Anthropology: the State of the Science*. Oregon State University Press, OR, pp. 1-23 [invited].
- 2000 Dzanh, T., Covert, H.H., Hamrick, M.W., McKinney, K.C., Khuong, D.V., and Tac, L.V. First record of Placodontia (reptile) fossil in Viet Nam. *Journal of Geology, Series B*. No. 15-16:110-112.
- 2002 Covert, H.H., Trinh Dzanh, Do Duc Quang, Le Quoc Thanh, and Nguyen Manh Phi. New Mammalian Fossils from Ninh Binh Province, Viet Nam. *Journal of Geology, Series B*. No. 19-20: 109-112.
- 2002 Trinh Dzanh, Covert, H. H., Hamrick, M.W., McKinney, K., Dao Van Khuong, and Le Van Tac. Lan dau tien o Veit Nam phat hien hoa thach placodontia [First record of Placodontia (reptile) fossil in Viet Nam, revised version of article of same title above]. In Dao Van Khuong, Truong Quang Bich, and Do Van Lap (eds). Bao Ton Thein Nhien Vuon Quoc Gia Cuc Phuong [Cuc Phuong National Park: 40 years of the establishment and development]. Nha Xuat Ban Nong Nghiep: Ha Noi [invited].
- 2004 Covert, H.H., Workman, C.C., and Byron, C. The EPRC as an important research center: ontogeny of locomotor differences among Vietnamese colobines. In T. Nadler, U. Streicher, and Ha Thang Long (eds.) *Conservation of Primates in Vietnam*. Frankfurt

- Zoological Society and Haki Publishing: Ha Noi, pp.121-129 [invited].
- 2007 Le Khac Quyet, Nguyen Anh Duc, Vu Anh Tai, Wright, B.W. and Covert, H.H. The diet of Tonkin snub-nosed monkeys (*Rhinopithecus avunculus*) in Ha Giang Province, Vietnam. Vietnamese Journal of Primatology 1:75-84.
- 2007 Nguyen Thi Lan Anh, Nguyen Quoc Khang, Le Khac Quyet, Covert, H.H., and Wright, B.W. Preliminary nutrient analysis of selected plants in the diet of the Tonkin snub-nosed Monkey (*Rhinopithecus avunculus*) in Khau Ca area, Ha Giang province, Vietnam. Journal of Science (Vietnam National University, Hanoi) 23(1S): 187-191
- 2008 Stevens, N.J., Wright, K.A., Covert, H.H., and Nadler, T. Tail postures of four quadrupedal leaf monkeys (*Pygathrix nemaeus*, *P. cinerea*, *Trachypithecus delacouri* and *T. hatinhensis*) at the Endangered Primate Rescue Center, Cuc Phuong National Park, Vietnam. Vietnam Journal of Primatology 2:13-24.
- 2009 Tran Van Bang, Hoang Minh Duc, Luu Hong Truong, and Covert, H.H. Group Structure and Spatial Distribution of Black-Shanked Douc Langurs in Ta Kou Mountain, Ta Kou Nature Reserve, Binh Thuan Province. Proceedings of the 3rd National Scientific Conference on Ecology and Biological Resources, Hanoi, Vietnam 3:1200-1206.
- 2010 Le Khac Quyet and H.H. Covert Another population of the Tonkin snub-nosed monkey (*Rhinopithecus avunculus*) discovered in Ha Giang Province, Vietnam. Vietnamese Journal of Primatology 1(4): 19-25.
- 2010 Hoang Minh Duc, Tran Van Bang, H.H. Covert, Luu Hong Truong, and Tran Quoc Toan Conservation status of primates in Ta Kou Nature Reserve. Nadler, T., Rawson, B.M., and Van Ngoc Thinh (eds) *Conservation of Primates in Indochina*. Frankfurt Zoological Society and Conservation International, Hanoi, pp. 91-98.
- 2012 Hoang Minh Duc, H.H. Covert, C. Roos, and T. Nadler A note on phenotypical and genetic differences of silvered langurs in Indochina. Vietnamese Journal of Primatology 2(1):47-54.

C. Published Book Reviews

- 1999 Covert, H.H. review of "Reconstructing Human Origins: A Modern Synthesis" by Glenn Conroy, American Anthropologist 1999 vol. 101:662-664.
- 2002 Covert, H.H. review of "Primates Face to Face: the Conservation Implications of Human - Nonhuman Primate Interconnections." Quarterly Review of Biology 77:472.
- 2006 Covert, H.H. review of "World Atlas of Great Apes and their Conservation." Quarterly Review of Biology 81:294-95.
- 2007 Covert, H.H. review of "The Ape in the Tree: an Intellectual and Natural History of *Proconsul*" by Alan Walker and Pat Shipman, American Journal of Physical Anthropology 132:483.
- 2010 Covert, H.H. review of "The Gibbons: New Perspectives on Small Ape Socioecology and Population Biology" ed. by S. Lappan and D.J. Whittaker. American Journal of Physical Anthropology. 143:164.
- 2012 Covert, H.H. A Pictorial Guide to Living Primates and Much More, a review of All of the World's Primates <http://alltheworldsprimates.org/login.aspx>. Evolutionary Anthropology 21:84-85.
- 2014 Covert, H.H. review of "Primate Ecology and Conservation: A Handbook of Techniques" ed. By E. Sterling, N. Bynum, and M. Blair. Biological Conservation 180:62-63.

D. Refereed Articles in Press:

Harrison-Levine, A., Covert H.H., Norconk, M.A., dos Santos, R.R.; Barnett, A.A., and

Fearnside, P. (in press) Dams: primate responses to widespread anthropic flooding. In A. A. Barnett, Ikki Matsuda, and K. Nowak (eds) *Primates in Flooded Habitats: Ecology and Conservation*. Cambridge Press.

Covert, H.H., Hoang Minh Duc, Le Khac Quyet, Ang, A., Harrison-Levine, A. and Tran Van Bang (in press) *Primates of Vietnam: Conservation in a Rapidly Developing Country*. Anthropology Now.

F. Invited Articles in Press:

Covert, H.H. Extinction. In A. Fuentes (ed) *International Encyclopedia of Primatology*. Wiley-Blackwell Press.

G. Articles Submitted to Refereed Journals and Books:

Byron, C.D. Granatosky, M.C. and Covert, H.H. An anatomical and mechanical analysis of the douc monkey (genus *Pygathrix*), and its role in understanding the evolution of brachiation. Submitted to the Am. J. Phys. Anthropol.

H. Published Abstracts

- 1979 Covert, H.H. The positional behavior of *Galago senegalensis*. Am. J. Phys. Anthropol., 50:430-431.
- 1980 Covert, H.H. Primate litter size variation. Amer. Zool., 20:745.
- 1980 Covert, H.H. and R.F. Kay Dental microwear and diet - implications for early hominid feeding behavior. Am. J. Phys. Anthropol., 52:216.
- 1982 Covert, H.H. Dietary adaptations of *Pelycodus* and a comment about the phylogenetic position of *Copelemur*. Am. J. Phys. Anthropol., 57:177.
- 1982 Kay, R.F. and H.H. Covert Species number determination and specimen allocation in fossil samples. Am. J. Phys. Anthropol., 57:201.
- 1983 Covert, H.H. Newly discovered post-cranial remains of *Pelycodus*. Am. J. Phys. Anthropol., 60:185-186.
- 1984 Covert, H.H. Phylogenetic relationships within the Notharctinae. Am. J. Phys. Anthropol., 63:148.
- 1985 Covert, H.H. The skeleton of *Smilodectes gracilis*. Am. J. Phys. Anthropol., 66:159.
- 1987 Covert, H.H. Tarsals of *Cantius mckennai*. Am. J. Phys. Anthropol., 72:189-190.
- 1988 Covert, H.H. and B.A. Carlson The Adapidae - Omomyidae paradox revisited. Am. J. Phys. Anthropol., 75:199.
- 1988 Covert, H.H. New early Eocene primate material from the Washakie Basin, Wyoming. J. Vert. Paleont., 8:12.
- 1989 Covert, H.H. and B.A. Carlson Early Eocene anaptomorphine primates from the Washakie Basin, Wyoming. Am. J. Phys. Anthropol., 78:207.
- 1989 Sheridan, S.G., D.M. Mittler, D.P. Van Gerven, and H.H. Covert Evidence for the mandible-as-lever model from a Medieval Nubian population. Am. J. Phys. Anthropol., 78:301.
- 1989 Covert, H.H., M.W. Hamrick, and B.A. Carlson New erinaceomorph insectivores from the Washakie Basin, Wyoming. J. Vert. Paleont., 9:17A.
- 1990 Covert, H.H. New adapid primates from Eocene deposits of the Washakie Basin, Wyoming. Am. J. Phys. Anthropol., 81:209.
- 1990 Hamrick, M.W. and H.H. Covert A new "Lost Cabin" primate fauna from the Washakie Basin, Wyoming. Am. J. Phys. Anthropol., 81:235.

- 1990 Harrisville-Wolff, C.L., D. Ayers-Darling, and H.H. Covert Variation over time and observer error in a sample of *Cantius* from the Bighorn Basin, Wyoming. *Am. J. Phys. Anthropol.*, 81:236-37.
- 1990 Covert, H.H. New *Copelemur* material from southern Wyoming. *J. Vert. Paleont.*, 10:19A.
- 1991 Covert, H.H. and B. A. Williams New specimens of *Anemorhysis pearcei* from early Eocene deposits of the Washakie Basin, Wyoming. *Am. J. Phys. Anthropol.*, suppl. 12:62.
- 1991 Williams, B.A., D. Ayers-Darling, and H.H. Covert New specimens of *Arapahovius gazini* from early Eocene deposits of the Washakie Basin, Wyoming. *Am. J. Phys. Anthropol.*, suppl. 12:184.
- 1991 Hamrick, M.W. and H.H. Covert Last Wasatchian notharctine fossils from the Washakie Basin, Wyoming and a comment on omomyid diversity. *Am. J. Phys. Anthropol.*, suppl. 12:86.
- 1992 Covert, H.H. and M.W. Hamrick New skeletal remains of the early Eocene anaptomorphine *Absarokius*. *Am. J. Phys. Anthropol.*, suppl. 14:64.
- 1992 Williams, B.A. and H.H. Covert A new species of *Anemorhysis* from the Washakie Basin, Wyoming. *Am. J. Phys. Anthropol.*, suppl. 14:173.
- 1993 Covert, H.H. and Hamrick, M.W. Recently recovered early Eocene notharctine primate postcranial remains and their implications for understanding notharctine phylogeny. *Am. J. Phys. Anthropol.*, suppl. 16:74-75.
- 1993 Ayers-Darling, D. and Covert, H.H. Recently recovered Eocene notharctine primates and their implications for understanding the Wasatchian-Bridgerian transition. *Am. J. Phys. Anthropol.*, suppl. 16:51-52.
- 1993 Hobbs, D.G., Williams, B.A., and Covert, H.H. Middle Wasatchian primatomorphs from the Washakie Basin, Wyoming. *Am. J. Phys. Anthropol.*, suppl. 16:109.
- 1993 Covert, H.H. Late Wasatchian primates from the Washakie Basin, Wyoming. *J. Vert. Paleontol.* 13(3):31A.
- 1994 Covert, H.H. and Murphey, P.C. New middle Eocene omomyine skeletal material. *Am. J. Phys. Anthropol.*, suppl. 18:72.
- 1995 Covert, H.H. and Jolley, L.A. The forelimb of *Omomys carteri*, a North American omomyine primate from the middle Eocene. *Am. J. Phys. Anthropol.*, suppl. 20:72-73.
- 1995 Anemone, R.L. and Covert, H.H. The hip of *Omomys carteri*, a North American omomyine primate from the middle Eocene. *Am. J. Phys. Anthropol.*, suppl. 20:60.
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- 1996 Payseur, B. and Covert, H.H. Body size and shape variation among omomyid primates. *Am. J. Phys. Anthropol.*, suppl. 22:183.
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- 2003 Byron, C. and Covert, H.H. Anatomical correlates for suspensory behaviors of douc langurs. *Am. J. Phys. Anthropol. Supl.* 36:73.
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- avunculus*) at Du Gia Nature Reserve, Ha Giang Province, Vietnam. International J. Primatology 27 (supl. 1):306.
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- 2008 Le Khac Quyet, Nguyen Anh Duc, Vu Anh Tai, Wright, K.A., Wright, B.W. and Covert, H.H. Habitat structure and habitat use of the Tonkin snub-nosed monkey, *Rhinopithecus avunculus*, in the Khac Ca Forest of Ha Giang Province, Vietnam. Program of the Conservation of Primates of Indochina International Symposium p. 26
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- 2008 Le Khac Quyet, Wright, K.A., and Covert, H.H. Locomotor and positional behavior of the Tonkin snub-nosed monkey, *Rhinopithecus avunculus*, in the Khac Ca Forest of Ha Giang Province, Vietnam. Program of the Conservation of Primates of Indochina International Symposium p. 25
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- 2008 Rawson, B.M., Vu Ngoc Thanh, Covert, H.H., and Brunner, J. Building primate conservation capacity in Vietnam. Primate Eye: 96 (Sp. CD-ROM IPS 2008). Pgs. Abst #26.
- 2008 Wright, K.A., Le Khac Quyet, Covert, H.H., Nguyen Anh Duc, and Vu Anh Tai. Forest structure preferences for the Tonkin snub-nosed monkey (*Rhinopithecus avunculus*) in the Khau Ca Area, Ha Giang Province, Northern Vietnam. Primate Eye: 96 (Sp. CD-ROM iss IPS 2008). Pgs. Abst #781.
- 2010 Covert, H.H., Hoang Minh Duc, Luu Hong Truong, and Tran Van Bang. Primate diversity, conservation, and behavioral ecology at Ta Kou Nature Reserve, Binh Thuan Province, Vietnam. Am. J. Phys. Anthropol. Supl. 50:86.
- 2010 Hoang Minh Duc, Covert, H.H., and Tran Van Bang Current status of black-shanked doucs in Vietnam. 23th Congress of the International Primatological Society, Kyoto Abstract volume, p. 172.
- 2010 Le Khac Quyet, Covert, H.H., Wright, K.A. and Stevens, N.J. Implications of videography for primate positional behavior study: a case study of *Rhinopithecus avunculus* in Vietnam. 23th Congress of the International Primatological Society, Kyoto Abstract volume, p. 417.
- 2011 Covert, H.H., Le Khac Quyet, and Harrison-Levine, A. Tonkin snub-nosed monkey (*Rhinopithecus avunculus*) conservation in Ha Giang Province, Vietnam. Am. J. Primatol. 73 (Suppl. 1): 52.
- 2012 Le Khac Quyet, Nguyen Anh Duc, and Covert H.H. Diet and food availability of Tonkin snub-nosed monkey in Khau Ca area of Ha Giang Province, Vietnam. Am. J. Phys. Anthro. Supl. 54:190.
- 2012 Shekelle, M. and Covert, H.H. Promoting Jane Goodall for a Nobel Peace Prize (abstract #146). XXIV Congress of the International Primatological Society: Primatology's legacy and future challenges, p. 204.
- 2012 Harrison-Levine, A.L., Covert, H.H., Norconk, M.A., Rodriguez dos Santos, R., Barnett, A.A., Nunes, C. and Fearnside, P. Examining the impact of dam construction and

- reservoir inundation on primates: what we do and do not know (abstract #270). XXIV Congress of the International Primatological Society: Primatology's legacy and future challenges, p. 288.
- 2012 Barnett, A.A., Alho, C., Chism, J., Covert, H.H., Fearnside, P., Fragaszy, D., Concalves Ferreira, R., Furuichi, T., Hanya, G., and Hashimoto, C. Primates of flooded habitats, threats, perspectives, and future research (abstract #276). XXIV Congress of the International Primatological Society: Primatology's legacy and future challenges, p. 293.
- 2012 Hoang Minh Duc, Nguyen Thi Tien, Covert, H.H., Tran Van Bang, and Luu Hong Truong Conservation status of the Indochinese silvered langur in Vietnam (abstract #402). XXIV Congress of the International Primatological Society: Primatology's legacy and future challenges, p. 371.
- 2012 O'Brien, J.A., Covert, H.H., and Tran Van Thanh A nutritional analysis of leaves ingested by black-shanked doucs (*Pygathrix nigripes*) in Cat Tien National Park, Vietnam (abstract #489). XXIV Congress of the International Primatological Society: Primatology's legacy and future challenges, p. 431.
- 2012 Tran Van Bang, Hoang Minh Duc, Covert, H.H., Luu Hong Truong, and Workman, C. Diet of the Annamese silvered langur (*Trachypithecus margarita*) in Ta Kou Nature Reserve, Binh Thuan Province, Viet Nam (abstract #535). XXIV Congress of the International Primatological Society: Primatology's legacy and future challenges, p. 458.
- 2013 Covert, H.H. and Hoang Minh Duc Distribution of the Indochinese Silvered langurs in the Mekong Delta Region of Vietnam. *Am. J. Phys. Anthropol. Supl.* 56:104.
- 2013 Covert, H.H. Le Khac Quyet, and Harrison-Levine, A.L. The role of zoos in the conservation of the critically endangered Tonkin snub-nosed monkey in northern Vietnam. *Zoos and Aquariums Committed to Conservation Conference Program.*
- 2014 Covert, H.H., Caou Quoc Tri, Tran Van Bang, and Hoang Minh Duc. Positional behavior of the Indochinese silvered langur (*Trachypithecus germaini*) in Kien Luong Karst Area, Kien Giang Province, Vietnam. *International Primatological Society Congress Abstract #448.*
- 2014 Hoang Minh Duc, Tran Van Bang, Le Hong Thia, and Covert, H.H. Diet of the Indochinese silvered langur (*Trachypithecus germaini*) in Kien Luong Karst Area, Kien Giang Province, Vietnam. *International Primatological Society Congress Abstract #458.*
- 2014 Ang, A., Covert, H.H., and Hoang Minh Duc. Adding an extra branch, fighting genetic isolation by reconnecting endangered Indochinese silvered langur populations in Vietnam with canopy bridges. *International Primatological Society Congress Abstract #469.*
- 2014 O'Brien, J.A., Loudon, J.E., Adams, R.B., Robb, K.E., and Covert, H.H. A preliminary investigation of the parasite ecology of the Indochinese silvered langur (*Trachypithecus germaini*) in Kien Luong Karst Area, Kien Giang Province, Vietnam. *International Primatological Society Congress Abstract #475.*
- 2014 Le Khac Quyet and Covert, H.H. Positional repertoire of the Tonkin snub-nosed monkey (*Rhinopithecus avunculus*) in Ha Giang Province, Vietnam. *International Primatological Society Congress Abstract #586.*
- 2014 Harrison-Levine, A., Luu Tuong Bach, Le Van Dung, and Covert, H.H. Forest-based anthropogenic threats to critically endangered Tonkin snub-nosed monkeys (*Rhinopithecus avunculus*) of Khau Ca Forest, Vietnam. *International Primatological Society Congress Abstract #588.*
- 2014 Le Khac Quyet, Hoang Van Tue, and Covert, H.H. Community-based conservation achievements for the critically endangered Tonkin snub-nosed monkey (*Rhinopithecus*

avunculus) in Ha Giang Province, Vietnam. International Primatological Society Congress Abstract #600.

I. Submitted Abstracts

J. Invited Papers

- 1992 Recently recovered North American Eocene omomyids and adapids: their bearing on debates about anthropoid origins. "Anthropoid Origins" at Duke University Medical School, Durham, NC, May 6-9. Sponsored By: Wenner-Gren Foundation for Anthropological Research, Inc. and The L.S.B. Leakey Foundation.
- 1993 Locomotor adaptations of Eocene primates: adaptive diversity among the earliest Prosimians. "Creatures of the Dark: The Nocturnal Prosimians" at Duke University Primate Center, Durham, NC June 9-12. Sponsored by: Duke Univ.
- 2002 The earliest primate adaptive radiations: how omomyoid and adapoid diversity clouds our understanding of anthropoid origins. At Powdermill Nature Preserve, PA. Sponsored by NSF and Wenner Gren Foundation for Anthropological Research.
- 2003 The EPRC as an important research center: ontogeny of locomotor differences among Vietnamese colobines. The Conservation of Primates in Vietnam International Symposium, Cuc Phuong National Park, Ninh Binh, Viet Nam. November 18-20.
- 2006 Vietnamese odd-nosed monkey locomotion presented at the National Evolutionary Synthesis Center Conference on Primate Fossil Analysis, Durham, NC, Feb. 16-19.
- 2010 Covert, H.H. Building biodiversity conservation capacity to ensure environmental protection in Vietnam. Presentation to the International Conference "Awareness of the Need for Environmental Protection – a Role for Higher Education" July 21-23, Ho Chi Minh City and Long Xuyen City, Vietnam. Conference Proceedings, pp. 161-177.

Research in Progress

- Conservation and behavioral ecology of Tonkin snub-nosed monkeys in Khau Ca Forest, Ha Giang Province, Vietnam.
- Conservation and behavioral ecology of black-shanked doucs and Annameese silvered langurs in Ta Kou, Binh Thuan Province, Vietnam.
- Conservation and behavioral ecology of the Indochinese silvered langurs of the Kien Luong Karst Area, Kien Giang, Province, Vietnam.

Public Lectures and Appearances

- 1982 "Oligocene Primates from the Fayum Depression, Egypt: the earliest anthropoids", Department of Anthropology, University of Washington, Seattle, April.
- 1986 "Mammalian Paleontology of the Fayum Depression, Egypt: the Oligocene Radiation", Department of Zoology, University of Massachusetts, Amherst, February.
- 1988 "Recent Advances in African Oligocene Mammalian Paleontology", Department of Anthropology, Arizona State University, Tempe, Arizona, February 26.

- 1988 "Before Rameses II: the earliest human ancestors". Colorado Endowment for the Humanities. Cortez, April 28.
- 1989 "New Primates from the Washakie Basin, Wyoming", Institute of Human Origins. Berkeley, California.
- 1990 "New Eocene Primates from the Washakie Basin, Wyoming", Department of Anthropology, University of Florida, Gainesville, Florida.
- 1990 "Recent Advances in the Study of Human Evolution", the Boulder Rotary Club.
- 1990 "Recent Paleontology in the Washakie Basin, Wyoming", Duke University Primate Center, Duke University, Durham, North Carolina.
- 1991 "The earliest known higher primates: Ancestors from the Oligocene of Egypt", African Studies Program of the University of Washington, Seattle.
- 1991 "Early Eocene Mammalian Paleontology in the Washakie Basin, Wyoming", public lecture at Western Wyoming College, Rock Springs, Wyoming.
- 1991 "New Early Eocene Primates from the Washakie Basin: adaptations and phylogenetic relationships", Integrated Graduate Program in Evolutionary Biology, Northwestern Medical School, Chicago, Illinois.
- 1991 "New Early Eocene Primates from North America: Adaptive Diversity" Sigma Xi, University of Colorado, Boulder.
- 1992 Panel discussant on "Predictors of Success for Learning Disabled Post-secondary Students". At the First Conference on Learning Disabilities at the College Level at the University of Colorado, Boulder, June 12-13.
- 1994 "Locomotor variation among early primates." The Evolutionary Morphology Seminar Series at the Department of Biological Anthropology and Anatomy, Duke University, Durham, NC.
- 1995 "The skeleton of *Omomys*, an Eocene primate: adaptive and phylogenetic significance." Paleobiology Seminar Series at the Department of Anatomical Sciences, SUNY Stony Brook.
- 1998 "The potential importance of paleontological research in Vietnam." Department of Geology and Minerals of Vietnam. Hanoi, Vietnam.
- 2000 "Reconstructing the Natural History of Vietnam." Talk to the Press Club of Hanoi. Hanoi, Vietnam
- 2000 "Paleoanthropology in Vietnam." Talk to the United States of America Embassy in Vietnam. Hanoi, Vietnam.
- 2001 "Why Vertebrate Paleontology Research in Southeast Asia is Important." A two hour lecture to the Paleontological Association of Vietnam at the Geological Museum of Vietnam, Hanoi, Vietnam Sept. 26
- 2001 "Field Methods in Vertebrate Paleontology." A two hour lecture presented to the Paleontological Association of Vietnam at the Geological Museum of Vietnam, Hanoi, Vietnam Sept. 27
- 2002 "Primate Ecology and Conservation in South East Asia." A two hour lecture to the faculty and graduate students of the Department of Vertebrate Biology at the National University of Vietnam, Hanoi. January 15
- 2002 "Recent advances in the study of human evolution." A two hour lecture to the Paleontological Association of Vietnam at the Geological Museum of Vietnam, 6 Pham Ngu Lao Str. Hanoi. February 27

- 2002 "Paleontological survey in limestone fissure-fillings." A two hour lecture to the Paleontological Association of Vietnam at the Geological Museum of Vietnam, 6 Pham Ngu Lao Str. Hanoi. February 28
- 2002 "Unexpected Locomotor Diversity among langurs housed at the Endangered Primate Rescue Center." A 90 minute lecture to the administration and staff of Cuc Phuong National Park, Ninh Binh Province, Vietnam April
- 2003 "Primate Diversity and Conservation in Vietnam." A lecture to the Department of Anthropology at Colorado State University, Fort Collins, March 23.
- 2003 " Primate Diversity and Conservation in Vietnam." Public lectures in the "Inspired by the remarkable work of Jane Goodall series" Denver Museum of Nature and Science, April 28 and 29.
- 2003 "Global Primate Diversity and Primate Conservation in Vietnam" a two hour lecture to the Faculty of Forest Resources and Environmental Management of the Vietnam Forestry University, Xuan Mai, Viet Nam. May 16
- 2004 "Unexpected locomotor diversity among three critically endangered Southeast Asian primates and its anatomical foundations." A lecture to the administration and staff of Cuc Phuong National Park, Ninh Binh Province, Vietnam, June 29.
- 2004 "Unexpected Locomotor Diversity Among Vietnamese Leaf Monkeys." A presentation in the Paleontological Seminar Series at the National Museum of Natural Science, Smithsonian Institute, Washington, DC November 10.
- 2004 "Primate Diversity and Conservation in Vietnam." A two hour lecture to students and staff of the Department of Anthropology, George Washington University, Washington, DC November 11.
- 2005 "The Importance of Feeding Ecology for the Conservation of the Tonkin Snub-Nosed Monkey. A lecture to government officials of Ha Giang Province, Vietnam June 14.
- 2005 "Primate Conservation in Vietnam." A lecture to the staff of the Institute of Tropical Biology, Ho Chi Minh City Aug. 5.
- 2006 "Unexpected Locomotor Diversity among Vietnamese Leaf Monkeys: Ecomorphological and Paleoanthropological Implications." University of Illinois, Jan. 20.
- 2006 "Research in Vietnam and My Experiences as a Fulbright Scholar." Fulbright Program in Vietnam Public Affairs Section (PAS) - U.S. Embassy Hanoi, Aug. 29.
- 2007 "Ecology and Conservation of the Critically Endangered Tonkin Snub-Nosed Monkey." Duke University, Jan. 19.
- 2007 "Ecology and Conservation of the Critically Endangered Tonkin Snub-Nosed Monkey." Zoological Society of San Diego, Nov. 2.
- 2008 "Conservation of the Tonkin Snub-nosed monkey." Cuc Phuong National Park, Vietnam presentation to the National Geographic Committee on Research and Exploration. Jan. 7.
- 2008 Distinguished Guest Speaker for Spring, 2008, Department of Anthropology, University of Texas, San Antonio, Conservation of the Critically Endangered Tonkin Snub-nosed Monkey in Ha Giang Province, Vietnam: Ecology, Local Communities, and Economics February 29.
- 2008 "My Experiences as a Fulbright Scholar: taking advantage of unexpected opportunities." Fulbright Program in Vietnam, Public Affairs Section (PAS) – US Embassy Hanoi, Sept. 4.

- 2008 Conservation of the Tonkin Snub-nosed Monkey at Khau Ca Forest, Ha Giang Province
Presentation in the Center for Biodiversity and Development Seminar Series, Ho Chi Minh
City September 26.
- 2009 Positional Behavior: understanding primate locomotor and postural adaptations.
Presentation in the Center for Biodiversity and Development Seminar Series, Ho Chi Minh
City, May 29.
- 2009 Research Methods Seminar Series. "Primate Conservation Research Methods, Hoa Sen
University, Ho Chi Minh City " June 27, 2009
- 2009 Primate Conservation in Vietnam. Colorado Vietnam Heritage Camp, Fraser, Colorado,
Aug. 8.
- 2009 Snub-nosed monkeys. Mixed Taste Series at the Museum of Contemporary Arts, Denver,
Aug. 21.
- 2009 Conservation of the Tonkin snub-nosed monkey at Khau Ca Forest, Ha Giang Province.
Lecture to the Department of Conservation Biology, Denver Zoo Sept. 18.
- 2010 Primate Conservation and Ecology in Vietnam. Lecture to the Department of Zoology and
Physiology, University of Wyoming, March 25.
- 2010 Conservation of the Tonkin snub-nosed monkey in Northeastern Vietnam. Lecture to the
Department of Ecology and Evolutionary Biology, University of Colorado at Boulder,
Nov. 5.
- 2011 Vietnamese Primate Diversity and Conservation: Ta Kou Nature Reserve as a Case Study.
Lecture to the Public Affairs Section, U.S. Consulate, Ho Chi Minh City, May 20.
- 2011 Vietnamese Primate Conservation and the potential of Eco-tourism: the case of Ta Kou
Nature Reserve. Lecture to the Department of Geography, National University of
Singapore, Nov. 30.
- 2011 Primate Diversity and Conservation in Vietnam: the Tonkin snub-nosed monkeys of Khau
Ca as a case study. Lecture to the Conservation, Research, and Learning Centre, Wildlife
Reserves Singapore, Dec. 1.
- 2012 Conservation of the critically endangered Tonkin snub-nosed monkey in Northeastern
Vietnam presented at the 2012 Wildlife Conservation Series the Blank Park Zoo and
Animal Rescue League of Iowa, May 4.
- 2014 Conservation Planning for the Indochinese silvered langur in southwestern Vietnam.
Lecture to the Duke University Department of Evolutionary Anthropology, Dec. 5.

Field Experience

- 7/80 - 8/80 Field assistant to Dr. E.L. Simons, paleontological research in the Bighorn Basin,
Wyoming (lower Eocene deposits).
- 9/80 - 11/80 Field assistant to Dr. E.L. Simons and R.F. Kay, paleontological research in the
Qatrani Formation of the Fayum Province, Egypt (Oligocene deposits).
- 6/81 - 7/81 Field assistant to Dr. T.M. Bown, paleontological research in the Bighorn Basin,
Wyoming (lower Eocene deposits).
- 9/81 - 11/81 Field assistant to Dr. E.L. Simons and R.F. Kay, paleontological research in the
Qatrani Formation of the Fayum Province and the Moghara Formation of the Qatara
Depression, Egypt (Oligocene and Miocene deposits).
- 9/85 - 11/85 Field assistant to Dr. E.L. Simons, paleontological research in the Qatrani
Formation of the Fayum Province, Egypt (Oligocene deposits).

- 5/87 - 8/87 Director of paleontological survey of early Eocene deposits in the Sand Wash Basin, Colorado and the Washakie Basin, Wyoming.
- 5/88 - 8/93 Director of paleontological survey of early and middle Eocene deposits in the Washakie Basin, Wyoming.
- 10/94 - 11/94 Field assistant to Dr. E.L. Simons, paleontological research in the Qatrani Formation of the Fayum Province, Egypt (Eocene and Oligocene deposits).
- 5/96 Field assistant to Dr. M.W. Hamrick, paleontological research in the Big Bend Region of the Marfa Basin, Texas (Eocene and Oligocene deposits).
- 5/97 – 5/98 Director of paleontological survey of early and middle Eocene deposits in the Washakie Basin, Wyoming.
- 5/98 – 5/02 Co-Director (with Dr. Trinh Dzanh) of paleontological survey of Paleogene and Miocene deposits in the Socialist Republic of Vietnam: a joint project with the Department of Geology and Minerals of Vietnam.
- 1/01 - present Co-Director of the study of primate positional behavior at the Endangered Primate Rescue Center of Cuc Phuong National Park, Ninh Binh Province, Vietnam.
- 6/04 – present Co-Director of the study of ecology and conservation of leaf monkeys in Ca Mau Forest Area, Vietnam.
- 9/08 – present Co-Director of the study of ecology and conservation of black-shanked doucs and Annamese silvered langurs in Ta Kou Nature Reserve, Binh Thuan Province, Vietnam.
- 6/09 – present Co-Director of the study of ecology and conservation of Indochinese silvered langurs in the Kien Luong Karst Area, Kien Giang Province, Vietnam

Courses Taught Include:

Introduction to Physical Anthropology (2010-2020)
Laboratory in Physical Anthropology 1 (2030)
Human Origins I (Honors 2050)
Human Paleontology (4110/5110)
Advanced Physical Anthropology (4120/5120)
Primate Comparative Anatomy (4030/5030)
Anthropological Perspectives: Contemporary Issues (4180)
Proseminar in Physical Anthropology (7020)
Undergraduate Seminar in Physical Anthropology (3020)
Primate Paleontology (4170/5170)
Advanced Seminar in Physical Anthropology (7120)
Graduate Core Course in Physical Anthropology (5790)
The Human Animal (3010)
Departmental Honors in Anthropology 1 and 2 Seminars (4710, 4720)
Graduate Bridging Seminar: Conservation (7000)
Primate Skeletal Biology (4120/5120)

Graduate Student Advising**Principal Advisor of Doctoral Dissertation**

Dr. Blythe Williams (1994) "Phylogeny of the Omomyidae and implications for anthropoid origins"

- Dr. Carol Harrisville-Wolff (1994) "Phylogeny and lateral variation of *Cantius* and *Hyopsodus* two common early Eocene mammalian genera"
- Dr. Sandra Keeley (1994) "Women's secrets/Men's choices Subjections of gender in a northern California abortion clinic."
- Dr. Diana Ayers-Darling (1996) "The use of platyrrhine hand during locomotion and skeletal Implications from the distal carpal row and metacarpals."
- Dr. Shadrack M. Kamenya (1997) "Changes in land use patterns and their impacts on red colobus monkeys' behavior: implications for primate conservation in Gombe National Park, Tanzania."
- Dr. Frank Cuzzo (2000) "Craniodental Variation in Dwarf Galagos (*Galagoides*) and Mouse Lemurs (*Microcebus*) and its Implications for the Paleotaxonomy of Small-Bodied Eocene Primates"
- Dr. Emily Mertz (2012) "The Effects of Environmental Heterogeneity at Multiple Scales on a Community of Five Diurnal Lemurs in Betampona Natural Reserve, Madagascar: A Landscape Ecology Approach"
- Dr. Larry Ulibarri (2013) "The Socioecology of red-shanked doucs (*Pygathrix nemaeus*) in Son Tra Nature Reserve, Vietnam"
- Dr. Jonathan O'Brien (2014) "The Ecology and Conservation of the Black-Shanked Douc (*Pygathrix nigripes*) in Cat Tien National Park, Vietnam"
- Dr. Le Khac Quyet (2014) "Positional behavior and support use of the Tonkin snub-nosed monkeys (*Rhinopithecus avunculus*) in Khau Ca Forest, Ha Giang Province, Vietnam"
- Dr. Amy Harrison-Levine (2016) "Forest resource overlap in humans and Tonkin snub-nosed monkeys of Ha Giang Province, Vietnam: theoretical and conservation implications."
- Dr. Andie Ang (2017) "Genetic Variability, Diet Metabarcoding, and Conservation of Colobine Primates in Vietnam."

Principal Advisor of Masters Thesis

- Ms. Blythe Williams (1989) "A New Early Wasatchian Fauna from the Washakie Basin, Wyoming."
- Ms. Carol Harrisville-Wolff (1990) "Tempo and Mode of Evolutionary Change for *Cantius*, an early Eocene primate, in the Bighorn Basin, Wyoming."
- Ms. Diana Ayers-Darling (1992) "The Wasatchian-Bridgerian Boundary and Early Primate Evolution."
- Mr. Shadrack Kamenya (1992) "Primate behavior, interactions with humans, and problems of non-human primate conservation; a Case Study: Colobus monkeys in Tanzania."
- Ms. Joanne Cowan (1994) "An examination of the departure and dispersal of *Homo erectus* from East Africa during the early to middle Pleistocene."
- Mr. Barth Wright (1995) "The effects of behavioral enrichment and the utilization of tools within and between captive groups of western lowland gorillas and Bornean orangutans."
- Ms. Marianne Nitsch (1996) "Integration of two infant gorillas into a social group at the Cheyenne Mountain Zoo."
- Ms. Kim Nichols (1998) "Comparisons in linear skeletal dimensions of wild and captive western lowland gorillas."
- Ms. Amy Farnsbach (2001) "*Mycobacterium tuberculosis* in Past Populations: Integrating Molecular and Paleopathological Methods."
- Ms. Catherine Workman (2004) "Creating the Collection: Ontogeny of Locomotion in Vietnamese Colobines with Consequences for Life History."

Mr. Shane Walker (2004) "FORDISC 2.0 and the Use of Craniometrics in the Race and Sex Identification of Two Christian Period Nubian Cemeteries."

Mr. Larry Ulibarri (2006) "Food Fracture Toughness and Food Selection in Four Captive Vietnamese Colobines."

Mr. Jonathan O'Brien (2006) "A Preliminary Analysis of the Chemistry and Color of Leaves Ingested by Four Colobine Species in Vietnam."

Ms. Meegan Anderson (2007) "Cranial Variation of the Cercopithecoid Primates of Vietnam."

Ms. Nicole Garrett (2007) "An isotopic analysis of two Perissodactyla from the Bridgerian-Uintan transition of the Bridger Formation, greater Green River Basin, Wyoming."

Mr. Thach Mai Hoang (2009) "History of research on Tonkin snub-nosed monkeys in Vietnam and an analysis of their daily ranging behavior in Khau Ca, Ha Giang Province."

Ms. Robin Fiore (2015) "A Survey of Indochinese Silvered Langurs (*Trachypithecus germaini*) in Phu Quoc National Park, Vietnam."

Current Graduate Student Advisees

Committee Member for Dissertation/Thesis

Ms. Sue Struthers, M.A. (1988), Ms. Rosemary Beck, M.A. (1988), Ms. Lisa Staten, M.A. (1990), Mr. Ken Doi, M.A. (1990), Ms. Diane Mittler, M.A. (1991), Dr. Sandra Karhu, Ph.D. (1991), Dr. Stacey Zamudio, Ph.D. (1991), Dr. Sue Sheridan, Ph.D. (1992), Dr. Sue Woods, Ph.D. (1992), Dr. Logan Ivy, Ph.D. (1993), Dr. Kim Gruenwald, Ph.D. (1994), Ms. Kathryn MacCafferty, M.A. (1994), Ms. Dawn Mulhern, M.A. (1994), Dr. Lawrence B. Conyer, Ph.D. (1995), Dr. Scott Simmons, Ph.D. (1996), Mr. Eric Dewar, M.A. (1996), Dr. Yashka Hallein Ph.D. (1996), Dr. Dawn Mulhern Ph.D. (1996), Dr. Brendan Schaefer Ph.D. (1997), Dr. Warren Wilson Ph.D. (1997), Ms. Jennifer Richtsmeier M.A. (1998), Dr. Colleen Ramos Ph.D. (1998), Ms. Julie Steckler M.A. (1999), Mr. Jon Bennett M.A. (2001), Ms. Mary Steiner-Muro M.A. (2003), Ms. Heather Williams M.A. (2005), Mr. Ian Cunningham M.A. (2005), Dr. Matthew Tornow Ph.D. (2005), Ms. Emily Mertz M.A. (2006), Mr. Paul Sandberg M.A. (2006), Dr. David Hoffman Ph.D. (2006), Dr. Jamie Bartlett Ph.D. (2007), Mr. James Millette M.A. (2007), Dr. Michael Gillen Ph.D. (2008), Dr. David Daitch Ph.D. (2008), Dr. James Loudon Ph.D. (2009), Dr. Benjamin Burger Ph.D. (2009), Dr. Ben Rawson, Ph.D. (2009), Dr. Krista Fish (2010), Dr. Dana Whitelaw (2010), Dr. Paul Sandberg, Ph.D. (2012), Mr. Tran Van Bang, MSc (2013), Mr. Michael Strinden, M.A. (2014), Ms. Alexandra Michael Cowper (2015)

Departmental Administrative Service

Associate Chair of Anthropology and Director of Undergraduate Studies (Sept. 1993 - May 1996)

Associate Chair of Anthropology and Director of Graduate Studies (Aug. 1998 - May 2000)

Associate Chair of Anthropology and Director of Graduate Studies (June 2002 - May 2006)

Chair of Anthropology (July 2010 - June 2015)

Associate Chair of Anthropology and Director of Graduate Studies (Aug. 2016 – Aug. 2017)

University Committee Service

Member, Arts and Sciences Natural Sciences curriculum revision committee (1987-1988).
Member, Undergraduate research opportunities program advisory committee (1988 - 1990).
Member, University Museum advisory committee (1988 - 1994).
Chair, University Museum advisory committee (Jan. 1991 - 1994).
Member, CRCW committee (Aug. 1995 - May 1998).
Member, University Museum advisory committee (Jan. 1996 - Sept. 1997).
Member, Enrollment Management Team (April, 1996 - May 1998).
Member, Honors Council (Aug. 1998 – 2008).
Member, Biological Sciences Initiative Advisory Board (Sept., 1999 - 2008).
Chair, BFA Research Awards selection committee (Spring, 2001).
Member, Director of Honors Search Committee (Fall, 2005).
Member, CU Museum Director Exploratory Committee (Spring, 2006).
Member, College of Arts and Sciences Personnel Committee (Fall, 2009 – Spring, 2010, Fall, 2011 – Spring 2012).
Member, University of Colorado Boulder Innovative Seed Grant Program review committee (Spring 2010, Spring 2011)
Member of Faculty Teaching Excellence Program Advisory Board
Associate Chair, College of Arts and Sciences Personnel Committee (Fall 2012 – Spring 2013)
Member, Arts and Sciences Council (Fall 2012 – 2015)
Member, Arts and Sciences Council Planning Committee (Fall 2013 – Spring 2015)
Member, Study Abroad Committee (Fall 2013 – present)
Member, Ben Brown Scholarship Review Committee (Fall 2013 – present)
Member, Campus Global Citizen of the Year Review Committee (Fall 2013 – present)
Member, Primary Unit Evaluation Committee, Women and Gender Studies, Dr. Robert Buffington, Promotion to Full Professor (May – Dec. 2014)
Member, Internal Review Committee for Division of Continuing Education (Dec. 2014-May, 2015)
Chair, School of the Environment and Sustainability's working group on research seed grants (Sept. 2014 – July, 2015)
Chair, Review Committee for Reappointment of Socials Sciences Division Dean Ann Carlos (Oct. 2016 – Dec. 2016)
Chair, Study Abroad Committee (July, 2017 – present)

Professional Service

Associate Editor, Program for Fifty-third Annual Meeting of the American Association of Physical Anthropologists (1984).
Judge, Student Award Contest at the Fifty-eighth Annual Meeting of the American Association of Physical Anthropologists (1989).
Co-Chaired day long symposium with Dr. Vu Ngoc Thanh, Director of the Hanoi Museum of Zoology, Thursday Nov. 20th of the Conservation of Primates in Vietnam, International Symposium, Cuc Phuong National Park, Ninh Binh, Viet Nam (2003).
Co-nominator, with Mr. Don DeBlieux, of Prithijit Chatrath for the Morris F. Skinner Prize of the Society of Vertebrate Paleontology, Award was given to Mr. Chatrath at the 62nd Annual Meeting of the SVP in Oct. 2003.
Judge, Student Award Contest for the Primate Interest Group at the seventy-fifth Annual Meeting of the American Association of the Physical Anthropology (2006).

Member of Editorial Board for the Vietnam Journal of Primatology (since 2006).

Lead Instructor for Primate Conservation Training course in Hanoi, Vietnam. Host institution:

Hanoi University of Science, Primary Sponsor: Conservation International (Aug. 7-28, 2006)

Invited Participant in the IUCN South Asian Primate Red-list Workshop in Phnom Penh,

Cambodia and facilitator for the Southeast Asian working group (Sept. 8-13, 2006)

Invited Lecturer: Field Methods in Animal Ecology, at Lo Go Xa Mat National Park, Vietnam

Organized by Institute of Tropical Biology, Ho Chi Minh City and funded by the McArthur Foundation (Nov.25-29, 2006).

Organizer for Primate Biology and Behavior Interest Group's Round Table Discuss for the seventy-sixth Annual Meeting of the American Association of Physical Anthropology (2007).

Lead Instructor for Primate Conservation Training Course in Hanoi, Vietnam. Host institution:

Hanoi University of Science, Primary Sponsor: Conservation International (July 31 – August 20, 2007)

Scientific advisor for Vietnam Television Channel 2's 30 minute special on our ongoing fieldwork at Khu Ca titled "Voọc Mũi Hếch ở Hà Giang" (The Tonkin snub-nosed monkeys of Ha Giang Province), which was filmed in June and broadcasted in July and August 2007.

Invited Lecturer: Primate Diversity, Conservation, and Monitoring Training Course. Ta Kou Nature Reserve, Binh Thuan Province, Vietnam (Nov. 1-7, 2008)

Chaired day-long session for the Conservation of Primates in Indochina Symposium, Cuc Phuong National Park, Ninh Binh Province, Vietnam (November 27, 2008)

Lead Instructor for Primate Conservation and Ecology Training Course at Ta Kou Nature Reserve, Binh Thuan Province, Vietnam. Host Institute: Center for Biodiversity and Development, Ho Chi Minh City, Primary Sponsor: Wenner-Gren (June 28 – July 7, 2009).

Member of the Advisory Committee of the Center for Biodiversity and Development of the Institute of Tropical Biology, Ho Chi Minh City, Vietnam (since 2009)

Member of the organizing committee of the Forestry Protection Department, Hanoi, Vietnam to develop a bid to host the 2014 International Primatological Society's Congress in Hanoi (Nov. 2008-Aug. 2012)

Member of the IUCN/SSC Primate Specialist Group (2006-2009, 2009-2012, 2012-2105, 2015-2018 appointments)

Associate Editor, American Journal of Physical Anthropology (May 2010 – May 2014)

Member of Conservation Committee, American Society of Primatology (September 2010 – present)

Member of the Denver Zoo's Asian Cultural Advisory Committee (July 2011 – Dec. 2014)

Lead Instructor for "Training on methods and skills for studying primates, Jan. 6-11, 2014 Da Lat, Vietnam, funded by US Fish and Wildlife Services.

Chair of Scientific Committee for the International Primatological Society's XXV Congress to be held in Hanoi in August 2014 (Aug. 2012 – Aug. 2014)

Lead Instructor for "Training on methods and skills for studying primates, Jan. 6-11, 2015 Bong Son, Vietnam, funded by US Fish and Wildlife Services.

Organized and Chaired NSF International Workshop to Explore Research Frontiers through Partnerships in the Lower Mekong Basin September 25, 26 Laurel, Maryland

Invited Participant in the IUCN South Asian Primate Red-list Workshop in Singapore, and facilitator for the Southeast Asian working group (Nov. 19-24, 2015)

Organized and Chaired 2nd NSF International Workshop to Explore Research Frontiers through Partnerships in the Lower Mekong Basin and the Mekong Natural History Museum Nov. 29 – Dec 1 Can Tho University, Can Tho, Vietnam

Member of the US Working Group on Conservation and Environmental Sciences at the Joint Committee Meeting between the United States and Vietnam on Science and Technology, Ho Chi Minh City (Dec. 2-5, 2015)

Member of the drafting group for the Conservation Action Plan for Primates in Vietnam to 2025 Ministry of Agriculture and Rural Development, Vietnam (August 2014 – May 2017)

Member of Ad Hoc committee to develop a Code of Conduct to eliminate sexual harassment and increase awareness for the American Society of Primatology (Feb. 2016 – Aug. 2016)

Member of Ad Hoc Committee on Diversity for the International Primatological Society (April 2017 – present)