

CURRICULUM VITAE

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Higher Education

1983: Ph.D. (Zoology), University of Michigan.

1976: Bachelor of Science (Zoology), University of Arizona.

Manuscripts Submitted for Publication

Lim, B.K., M.D. Engstrom, F.A. Reid, N.B. Simmons, R.S. Voss, and D.W. Fleck. A new species of *Peropteryx* (Chiroptera: Emballonuridae) from western Amazonia, with comments on phylogenetic relationships within the genus. [to AMNH Novitates]

Voss, R.S., and S.A. Jansa. Phylogenetic relationships and classification of Recent didelphimorphians [book chapter]. *In* F.J. Goin (ed.), *New World marsupials and their extinct relatives: 100 million years of metatherian evolution*. Springer.

Rossi, R.V., R.S. Voss, and D.P. Lunde. A revision of the didelphid marsupial genus *Marmosa*. Part 1. The species in Tate's "Mexicana" and "Mitis" sections. [to AMNH Novitates]

Manuscripts in Press

Voss, R.S., D.W. Fleck, and S.A. Jansa. On the diagnostic characters, ecogeographic distribution, and phylogenetic relationships of *Gracilinanus emiliae* (Didelphimorphia: Didelphidae: Thylamyini). *Mastozoología Neotropical*.

Voss, R.S., and M. Weksler. On the taxonomic status of *Oryzomys curasoae* McFarlane and Debrot, 2001, with remarks on the phylogenetic relationships of *O. gorgasi* Hershkovitz, 1971. *Caribbean Journal of Science*.

Simmons, N.B., and R.S. Voss. Collection, preparation, and fixation of specimens and tissues [book chapter]. *In* T.H. Kunz and S. Parsons (eds.), *Ecological and behavioral methods for the study of bats*, 2nd ed. Baltimore: Johns Hopkins University Press.

Voss, R.S., P. Myers, F. Catzefflis, A.P. Carmignotto, and J. Barreiro. The six opossums of Félix de Azara: identification, taxonomic history, neotype designations, and nomenclatural recommendations. [Chapter in Musser festschrift volume.] *Bulletin of the American Museum of Natural History*.

Peer-reviewed Publications

- Voss, R.S., and S.A. Jansa. 2009. Phylogenetic relationships and classification of didelphid marsupials, an extant radiation of New World metatherian mammals. *Bulletin of the American Museum of Natural History* 322: 1–177.
- Fleck, D.W. and R.S. Voss. 2007. On the origin and cultural significance of unusually large synonym sets in some Panoan languages of northwest Amazonia. *Anthropological Linguistics* 48: 335-368.
- Gruber, K.F., R.S. Voss, and S.A. Jansa. 2007. Base-compositional heterogeneity in the RAG1 locus among didelphid marsupials: implications for phylogenetic inference and the evolution of GC content. *Systematic Biology* 56: 83-96.
- Weksler, M., A.R. Percequillo, and R.S. Voss. 2006. Ten new genera of oryzomyine rodents (Cricetidae: Sigmodontinae). *American Museum Novitates* 3537: 1-29.
- Jansa, S.A., J.F. Forsman, and R.S. Voss. 2006. Different patterns of selection on nuclear genes IRBP and DMP1 affect the efficiency but not the outcome of phylogeny estimation for didelphid marsupials. *Mol. Phylogen. Evol.* 38: 363-380.
- Jansa, S.A., and R.S. Voss. 2005. Phylogenetic relationships of the marsupial genus *Hyladelphys* based on nuclear gene sequences and morphology. *J. Mammal.* 86: 853-865.
- Voss, R.S., D.P. Lunde, and S.A. Jansa. 2005. On the contents of *Gracilinanus* Gardner and Creighton, 1989, with the description of a previously unrecognized clade of small didelphid marsupials. *Amer. Mus. Novitates* 3482: 1–34.
- Voss, R.S., T. Tarifa, and E. Yensen. 2004. An introduction to *Marmosops* (Marsupialia: Didelphidae), with the description of a new species and notes on the taxonomy and distribution of other Bolivian forms. *Amer. Mus. Novitates* 3466: 40 pp.
- Voss, R.S., A.L. Gardner, and S.A. Jansa. 2004. On the relationships of “*Marmosa*” *formosa* Shamel, 1930 (Marsupialia: Didelphidae), a phylogenetic puzzle from the Chaco of northern Argentina. *American Museum Novitates* 3442: 1-18.
- Voss, R.S. 2003. A new Ecuadorean species of *Thomasomys* (Rodentia: Muridae) with remarks on mammalian diversity and biogeography in the Cordillera Oriental. *Am. Mus. Novitates* 3421: 47 pp.
- Voss, R.S., and S.A. Jansa. 2003. Phylogenetic studies on didelphid marsupials II. Nonmolecular data and new IRBP sequences: separate and combined analyses of didelphine relationships with denser taxon sampling. *Bull. Am. Mus. Nat. Hist.* 276: 82 pp.
- Voss, R.S., M. Gomez-Laverde, and V. Pacheco. 2002. A new genus for *Aepeomys fuscatus* Allen, 1912 and *Oryzomys intectus* Thomas, 1921: enigmatic murid rodents from Andean cloud forests. *Am. Mus. Novitates* 3373: 42 pp.
- Simmons, N.B., and R.S. Voss. 2002. A new Amazonian species of *Micronycteris* (Chiroptera: Phyllostomatidae), with notes on the roosting habits of sympatric congeners. *Am. Mus. Novitates* 3358: 14 pp.
- Fleck, D.W., R.S. Voss, and N.B. Simmons. 2002. Underdifferentiated taxa and sublexical categorization: an example from Matses classification of bats. *J. Ethnobiol.* 22: 61–102.
- Voss, R.S., and M.N.F. da Silva. 2001. Revisionary notes on Neotropical porcupines (Rodentia: Erethizontidae). 2. A review of the *Coendou vestitus* group with descriptions of two new species from Amazonia. *Am. Mus. Novitates* 3351: 36 pp.
- Voss, R.S., D.P. Lunde, and N.B. Simmons. 2001. Mammals of Paracou, French Guiana: a Neotropical lowland rainforest fauna. Part 2. Nonvolant species. *Bull.*

- Amer. Mus. Nat. Hist. 263: 236 pp.
- Sánchez, J., J. Ochoa, and R.S. Voss. 2001. Rediscovery of *Oryzomys gorgasi* (Rodentia: Muridae) with notes on taxonomy and natural history. *Mammalia* 65: 201-214.
- Jansa, S. and R.S. Voss. 2000. Phylogenetic studies on didelphid marsupials. 1. Introduction and preliminary results from nuclear IRBP gene sequences. *J. Mammal. Evol.* 7: 43-77.
- Simmons, N.B., R.S. Voss, and H.C. Peckham. 2000. The bat fauna of the Saül region, French Guiana. *Acta Chiropterologica* 2: 23-36.
- Fleck, D.W., R.S. Voss, and J.L. Patton. 1999. Biological basis of saki (*Pithecia*) folk species recognized by the Matsigenka Indians of Amazonian Peru. *Int. J. Primatol.* 20: 1005-1028.
- Voss, R.S. and N.I. Abramson. 1999. *Holochilus* Brandt, 1835, *Proechimys* J. A. Allen, 1899, and *Trinomys* Thomas, 1921 (Mammalia, Rodentia): proposed conservation by the designation of *H. sciureus* Wagner, 1842 as the type species of *Holochilus*. *Bull. Zool. Nomencl.* 56: 1-7.
- Simmons, N.B., and R.S. Voss. 1998. Mammals of Paracou, French Guiana: a Neotropical lowland rainforest fauna, part 1. Bats. *Bull. Amer. Mus. Nat. Hist.* 237: 219 pp.
- Voss, R.S., and R. Angermann. 1997. Revisionary notes on Neotropical porcupines (Rodentia: Erethizontidae). 1. Type material described by Olfers (1818) and Kuhl (1820) in the Berlin Zoological Museum. *Amer. Mus. Novitates* 3214: 42 pp.
- Voss, R.S., and L.H. Emmons. 1996. Mammalian diversity in Neotropical lowland rainforests: a preliminary assessment. *Bull. Amer. Mus. Nat. Hist.* 230: 115 pp.
- Voss, R.S. and M.D. Carleton. 1993. A new genus for *Hesperomys molitor* Winge and *Holochilus magnus* Hershkovitz, with an analysis of its phylogenetic relationships. *Am. Mus. Novitates* 3085: 39 pp.
- Voss, R.S. 1993. A revision of the Brazilian muroid rodent genus *Delomys* with remarks on "thomatomyine" characters. *Am. Mus. Novitates* 3073: 44 pp.
- Voss, R.S., and L.F. Marcus. 1992. Morphological evolution in muroid rodents II. Craniometric factor divergence in seven Neotropical genera with experimental results from *Zygodontomys*. *Evolution* 46: 1918-1934.
- Voss, R.S., 1992. A revision of the South American species of *Sigmodon* (Mammalia: Muridae) with comments on their natural history and biogeography. *Am. Mus. Novitates* 3050: 56 pp.
- Voss, R.S., P.D. Heideman, V.L. Mayer, and T.M. Donnelly. 1992. Husbandry, reproduction, and postnatal development of the Neotropical muroid rodent *Zygodontomys brevicauda*. *Laboratory Animals* 26: 38-46.
- Voss, R.S. 1991. An introduction to the Neotropical muroid rodent genus *Zygodontomys*. *Bull. Am. Mus. Nat. Hist.* 210: 113 pp.
- Voss, R.S. 1991. On the identity of "*Zygodontomys*" *punctulatus* (Rodentia: Muroidea). *Am. Mus. Novitates* 3026: 8 pp.
- Voss, R.S., and P. Myers. 1991. *Pseudoryzomys simplex* (Rodentia, Muridae) and the significance of Lund's collections from the caves of Lagoa Santa, Brazil. *Bull. Amer. Mus. Nat. Hist.* 206: 414-432.
- Voss, R.S., L.F. Marcus, and P. Escalante P. 1990. Morphological evolution in muroid rodents I. Conservative patterns of craniometric covariance and their ontogenetic basis in the

- Neotropical genus *Zygodontomys*. *Evolution* 44: 1568-1587.
- Voss, R.S. 1988. Systematics and ecology of ichthyomyine rodents (Muroidea): patterns of morphological evolution in a small adaptive radiation. *Bull. Amer. Mus. Nat. Hist.* 188: 259-493.
- Voss, R.S., G.F. Estabrook, and N.A. Voss. 1983. A comparison of information-theoretically optimal classifications with estimates of phylogenetic relationships in the squid family Cranchiidae (Cephalopoda: Oegopsida). *Z. Syst. Evolutionsforsch.* 21: 81-95.
- Voss, R.S., J.L. Silva L., and J.A. Valdes L. 1982. Feeding behavior and diets of Neotropical water rats, genus *Ichthyomys* Thomas 1893. *Z. Säugetierk.* 47: 364-369.
- Voss, N.A., and R.S. Voss. 1982. Phylogenetic relationships in the cephalopod family Cranchiidae (Oegopsida). *Malacologia* 23: 397-426.
- Voss, R.S., and A.V. Linzey. 1981. Comparative gross morphology of male accessory glands among Neotropical Muridae (Mammalia: Rodentia) with comments on systematic implications. *Misc. Publ. Mus. Zool. Univ. Michigan* 159: 41 pp.
- Voss, R.S., M. Turner, R. Inouye, M. Fisher, and R. Cort. 1980. Floral biology of *Markea neurantha* Hemsley (Solanaceae), a bat-pollinated epiphyte. *Amer. Midl. Nat.* 103: 262-268.
- Voss, R.S. 1979. Male accessory glands and the evolution of copulatory plugs in muroid rodents. *Occas. Pap. Mus. Zool. Univ. Michigan* 689: 27 pp.

Edited Volumes

- Voss, R.S., and M.D. Carleton (eds.). 2009. Systematic mammalogy: contributions in honor of Guy G. Musser. *Bulletin of the American Museum of Natural History* [in press]

Other Publications

- Voss, R.S. 2009. [Review of] Gardner, A.L. (ed.). *Mammals of South America, volume 1: Marsupials, xenarthrans, shrews, and bats*. *Journal of Mammalogy* 90: 521–523.

Fieldwork

Belize (2001), Colombia (1984), Costa Rica (1977, 1984), Ecuador (1978–1980, 1996), French Guiana (1991–1994, 1999), Paraguay (1978), Peru (1998), Tobago (1989, 2009), Venezuela (1979, 1980, 1986, 1987).

Museum Research

Academy of Natural Sciences, Philadelphia (1994); Australian Museum, Sydney (2005, 2006); Carnegie Museum of Natural History, Pittsburg (1988); Field Museum of Natural History, Chicago (1978, 1988, 1994, 1996, 1999, 2001, 2008); Instituto de Ciencias Naturales, Bogotá (1984); Instituto de Zoología Tropical, Caracas (1979, 1984, 1986); Instituto Nacional de Pesquisas da Amazônia, Manaus (2001); LA County Museum, Los Angeles (2005); LSU Museum of Zoology, Baton Rouge (1983); Museo Argentino de Ciencias Naturales, Buenos Aires (2007); Museo de Historia Natural La Salle, Caracas (1984, 1986, 1987); Museo de La

Plata, La Plata (2007); Museo Ecuatoriano de Ciencias Naturales, Quito (1996); Museum für Naturkunde, Berlin (1996); Museum National d'Histoire Naturelle, Paris (1982, 1989, 1990, 1998); Museum of Comparative Zoology, Cambridge (1995); Museum of Southwestern Biology, Albuquerque (2002, 2008); Museum of Texas Tech University, Lubbock (2008); Museum of Vertebrate Zoology, Berkeley (1988, 2001); National Museum of Natural History, Washington (1983–2008); Natural Historie Riksmuseet, Stockholm (1982); Natural History Museum, London (1982, 1990, 1994, 1998, 2003); Rijksmuseum van Natuurlijke Historie, Leiden (1982, 1990); Royal Ontario Museum, Toronto (1992, 2008); South Australian Museum, Adelaide (2005); Universidad Católica, Quito (1996); Universidad de los Andes, Mérida (1979, 1980, 1984); Universidad del Valle, Cali (1984); Universidad Nacional Mayor de San Marcos, Lima (1998); Universidad Politécnica, Quito (1980, 1996); Universidad Simon Bolívar, Caracas (1979, 1984, 1986); Universitets Zoologiske Museum, Copenhagen (1982, 1990, 2003); University of Kansas Museum of Natural History, Lawrence (2008); University of Michigan Museum of Zoology, Ann Arbor (1977-1983, 1988, 1992, 2002); University of New South Wales, Sydney (2005, 2006); University of the West Indies, Port of Spain (1989); Western Australian Museum, Perth (2005); Zoological Institute of the Russian Academy of Sciences, St. Petersburg (1996).

Postdocs (research supervisor)

Mario de Vivo (1991–1992). *Project title*: “Review of the South American Sciuridae (Mammalia, Rodentia).”

Sharon A. Jansa (1998–2000). *Project titles*: “Phylogeny and Biogeography of the Native Rodents of Madagascar” (1998-1999); “Intraspecific Phylogeography of Madagascar's Native Rodents” (1999-2000).

Robert P. Anderson (2001–2003). *Project title*: “Ecogeographic modeling and systematic revision of spiny pocket mice (*Heteromys*).”

David A. Flores (2004–2006). *Project title*: “A phylogenetic Study of Didelphid Marsupials Based on Postcranial Characters.”

Thomas E. Macrini (2006–2008). *Project title*: “Anatomical Study of the Nasal Skeleton and Endocranial Cavity of Marsupials Using High-Resolution X-ray Computed Tomography.”

Robin Beck (2009–2011). *Project title*: “Craniodental Morphology and Phylogenetic Relationships of Living and Extinct Marsupials.”

Graduate Students (principal advisor)

Victor Pacheco (1994–2003). *Thesis title*: “Phylogenetic analysis of thomasomyine rodents (Rodentia, Sigmodontinae).” Ph.D., CUNY.

Marcelo Weksler (1998–2004). *Thesis title*: “Phylogeny of oryzomyine rodents (Muridae) based on morphological and molecular datasets.” Ph.D., CUNY.

Graduate Students (committee member)

Patricia Escalante (1987–1991). *Thesis title*: “Phylogenetic relationships of *Geothlypis* (Aves:

Parulidae.” Ph.D., CUNY.

Valeria Taveres (2002–present). *Thesis title*: “Revisionary systematics and phylogenetic relationships of *Vampyressa* (Chiroptera: Phyllostomidae).” Ph.D. candidate, CUNY.

Adrian Tejedor (2002–2007). *Thesis title*: “Systematics and phylogeny of the New World bat family Natalidae.” Ph.D., CUNY.

Elicer Gutierrez (2007–present). [No thesis title yet.] Ph.D. student, CUNY.

Thomas C. Giarla (2008–present). [No thesis title yet.] Ph.D. student, University of Minnesota.

Undergraduate Research Interns (mentor)

Erika A. Bach (1989), Leslie A. Meade (1990), Darrin P. Lunde (1991), Roland W. Kays (1993).

Extramural Professional Activities

Reviewed grant proposals for: American Philosophical Society, City University of New York, Danish Council for Development and Research, Eppley Foundation for Research, National Geographic Society, National Science Foundation, Smithsonian Institution (Scholarly Studies Program).

Reviewed manuscripts for: Acta Zoologica Sinica, Ameghiniana, Biological Journal of the Linnaean Society, Biodiversity and Conservation, Biotropica, BMC Evolutionary Biology, Caldasia, Canadian Journal of Zoology, Caribbean Journal of Science, Chicago University Press, Cladistics, Curator, Cytogenetics and Cell Genetics, Diversity and Distributions, Evolution, Fieldiana, Gayana, Journal of Biogeography, Journal of Mammalian Evolution, Journal of Mammalogy, Journal of Morphology, Journal of Tropical Ecology, Journal of Vertebrate Paleontology, Mammalia, Mammalian Species, Mastozoología Neotropical, Publicações Avulsas do Museu Nacional (Rio de Janeiro), Occasional Papers of the Museum Texas Tech University, Proceedings of the Biological Society of Washington, Smithsonian Series in Comparative Evolutionary Biology, Systematic Biology, Tropical Zoology, Zoological Journal of the Linnaean Society, Zootaxa.

Other Activities: Associate Editor, Mastozoología Neotropical; Editorial Board, Journal of Mammalian Evolution.