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Education: 1962 B.A. (biological sciences) - Rutgers University; 1964 M.S. (zoology) - University of Maryland; 1967 Ph.D.(zoology) - University of Maryland

Honors: 1967 Phi Sigma Award, U.MD; 1987 Rolex Award for Enterprise, Honorable Mention; 1995 Award from Aldo Leopold Chapter of Society for Conservation Biology, 1999 Conservation Educator, Crawford County, Land Conservation Department

Fellowships and Scholarships: 1963 Frank M. Chapman Memorial Fund grant (American Museum of Natural History); 1964 Organization For Tropical Studies scholarship; 1964-5 Natural Resources Institute, University of Maryland, 1965-7 NASA fellowships

Professional Experiences:

1962 Field Representative for N.J. Dept. of Environmental Health
 1962-3 Teaching Assistant, University of Maryland
 1967-8 Postdoctoral Field Representative in India, Smithsonian Institution
 1970-4 Research Zoologist, Brookfield Zoo; 1970-5 Research Associate, Univ. Chicago;
 1974-6 Visiting Lecturer, North. Illinois Univ.; Chicago State Univ.; Grand Valley State Colls, MI
 1981-9 Independent Conservationist (raised grants of \$66,000 from WWF, Wildlife Preservation Trust; Institute of Museum Services, Lincoln Park Zoo)
 1984-6 Resident Ethologist, International Crane Foundation;
 1990-present Director, Community Conservation, (raised grants of \$1,190,000 from WWF, Lincoln Park Zoo, Belize Govt, Wildl. Cons. Soc., USAID, UN, Natl. Geog. Soc., Wisc. State, Trout Unlimited, Margot Marsh Biodiversity Found., Primate Cons., Inc.)

Selected Publications: Publications include over 100 professional and popular publications and videos on community conservation, ecology, primatology and animal behavior.

Infant Development in Birds and Mammals

1971 Ficken, R.W. et al. Eyemarks in vertebrates : aids to vision. *Science*, 173:936-939.
 1974 Horwich, R.H. Regressive periods in primate behavioral development with reference to other mammals. *Primates*, 15:141-149.
 1975 Horwich, R.H. and D. Manski. Maternal care and infant transfer in two species of *Colobus* monkeys. *Primates*, 16:49-73.
 1978 Horwich, R.H. and C. Wurman. Socio-maternal behaviors in response to an infant birth in *Colobus guereza*. *Primates*, 19:693-713.
 1982 Horwich, R.H. et al. Seasonal variation in mother-daughter groupings in Siberian ibex (*Capra ibex*). *Zoo Biology*, 1:345-354.
 1983 Horwich, R.H. et al. Behavioral development in okapis and giraffes. *Zoo Biology*, 2:105-125
 1985 Horwich, R.H. and K. Gebhard. Relation of allomothering to infant age in howlers, *Alouatta pigra*, with reference to old world monkeys. *Current Perspectives in Primate Social Dynamics*, vol.1, D.M. Taub and F.A. King(eds.), p.66-88.
 1989 Horwich, R.H. Cyclic development of contact behavior in apes and humans. *Primates*, 30:269-279.
 1996 Horwich, R.H. Imprinting, attachment, and behavioral development in cranes. Pp. 117-122 In: *Cranes: Their Biology, Husbandry, and Conservation*, D. H. Ellis, G.F. Gee and C.M. Mirande (eds.).DOI, Natl. Biological Service, Intl. Crane Found., Washington, D.C.

Primate Behavior and Ecology

1976 Horwich, R.H. The whooping display in Nilgiri langurs : an example of daily fluctuations superimposed on a general trend. *Primates*, 17:419-431.
 1983 Horwich, R.H. and K. Gebhard. Roaring rhythms in black howler monkeys (*Alouatta pigra*) of Belize. *Primates*, 24:290-296.
 1986 Horwich, R.H. and E.Johnson. Geographic distribution of the black howler, *Alouatta pigra*, in Central America.

Primates, 27:53-62.

- 1998 Horwich, R.H. Effective solutions for howler conservation. *Int.J. Prim*, 19:579-598.
- 1998 Silver, S.C. et al. Feeding ecology of the black howler monkey (*Alouatta pigra*) in Northern Belize. *Amer.J. Primatol.* 45:263-279.
- 1999 Horwich, R.H. and J. Lyon. Rural ecotourism as a conservation tool. In: *Development of Tourism in Critical Environment*. T.J. Singh (ed.) Cognizant Communication Corp., NY
- 1999 Ostro, L.E.T. et al. Ranging behavior of translocated and established groups of black howler monkeys *Alouatta pigra* in Belize, Central America. *Biol. Cons.* 87:181-190.
- 2000 Brockett, R.C. et al. Reproductive seasonality in the Belizean black howling monkey (*Alouatta pigra*). *Neotrop. Prim.* 8:136-138.
- 2000 Horwich, R.H. et al. Alternative male reproductive behaviors in the Belizean black howler monkey (*Alouatta pigra*). *Neotrop. Prim.* 8:95-98.
- 2001 Horwich, R.H. et al. Population growth in the Belizean black howling monkey (*Alouatta pigra*). *Neotropical Primates* 9:1-7.
- 2001 Horwich, R.H. et al. Population structure and group productivity of the Belizean black howling monkey (*Alouatta pigra*): implications for female socioecology. *Primate Report* 61:47-65.
- 2002 Horwich, R.H. et al. Translocation of black howler monkeys in Belize. *Re-introduction News*. 21:10-12.

Community Conservation

- 1990 Horwich, R.H. How to develop a community sanctuary - an experimental approach to the conservation of private lands. *Oryx*, 24:95-102.
- 1993 Horwich, R.H. et al. Ecotourism and community development : A view from Belize. In: *Ecotourism : A Guide For Planners and Managers* , K. Lindberg and D.E. Hawkins (eds.), pp.152-168. The Ecotourism Society, North Bennington, VT.
- 1994 Polisar, J. and R.H. Horwich. Conservation of the large economically important river turtle *Dermatemys mawii* in Belize. *Conservation Biology*, 8:338-342
- 1995 Horwich, R.H. and J. Lyon. Multi-Level Conservation and Education at the Community Baboon Sanctuary, Belize. Pp.235-253 in: *Conserving Wildlife : International Education and Communication Approaches* , S.K. Jacobson (ed.) Columbia University Press, NY
- 2004 An evaluation tool for internal and external assessments of community-based conservation projects. Submitted for publication with J. Lyon and S. Bernstein.
- 2004 Community co-management of protected areas in Belize – cooperating to protect common ground. MS. by J. Lyon and R. H. Horwich
- 2005 Communities saving Wisconsin birds: north and south. *Passenger Pigeon* 67:85-98.
- 2007 Horwich, R.H. and J. Lyon. Community Conservation: practitioners' answer to critics. *ORYX* , 41(3):376-385.
- 2007 Young, C. & Horwich, R.H. (In press) People and protected areas: history of protected areas and co-management in Belize. In *Taking Stock: The First 25 Years of Belizean Independence*, Cubola Productions, Benque Veijo del Carmen, Belize.

Crane and Primate Reintroductions

- 1989 Horwich, R.H. Use of surrogate parental models and age periods in a successful release of hand-reared sandhill cranes. *Zoo Biology*, 8:379-390.
- 1992 Horwich, R.H. et al. Release of sandhill crane chicks hand-reared with artificial stimuli. In: 1988 Proc. N.A. Crane Workshop, D. Wood (ed.), pp. 255-262, FLA Game Fresh Fish Comm.
- 1993 Horwich, et al. A Reintroduction Program for the Conservation of the Black Howler Monkey in Belize. *Endangered Species Update*. 10 (6): 1-6.
- 1997 Horwich, R.H. Crane reintroductions reviewed. *Re-introduction News*, 13:13-15.
- 2001 Horwich, R.H. Developing a migratory whooping crane flock. *Proc.N.A.Crane Workshop* 8:85-95.

Books

- 1990 Horwich, R.H. and J. Lyon. *A Belizean Rainforest - The Community Baboon Sanctuary*, Orang-utan Press, Gays Mills, WI
- 1996 Emmons, K. et al. *Cockscomb Basin Wildlife Sanctuary* Orang-utan Press, Gays Mills, WI and Producciones de la Hamaca, Caye Caulker, Belize
- 1996 Erickson, D. *Community Conservation: Living in the Park* (video)
- 2004 *Tales of Mother Crane and the Flying Puppet Show*. MS.