

ANNELISA M. KILBOURN

OBJECTIVES

- Promote the health, well-being and survival of captive and free-ranging wild animals and their ecosystems.

EMPLOYMENT

SOS Rhino Borneo, Malaysia & Chicago *Wildlife Veterinarian & Field Scientist* **2000- present**

Implement insitu & exsitu projects to promote the breeding, protection & survival of the Sumatran rhinoceros in Sabah, Malaysia. Provide training & employment for field research assistants, animal husbandry & clinical support. Oversee masters' student research & transfer of technology to on site veterinarian. Conduct reproductive evaluation of rhinos in captivity involving blood sample collection protocols, ultrasonography & behavioral observations. Fieldwork includes GPS, GIS & photo trap training.

Wildlife Conservation Society, African & New York *Consultant Field/ Wildlife Veterinarian* **2001- present**

Implement, support & conduct research on the health of free ranging wild populations of great apes in Gabon, Congo and CAR. Standardizing health evaluation protocols & the transfer of technology for the implementation of zoonotic disease prevention programs for field staff, researchers and tourists involved. Computerize medical record keeping & sample data. Training staff on diagnostic equipment & techniques.

John G. Shedd Aquarium, Chicago *Associate Veterinarian* **2000**

Clinical management of thousands of species ranging from Primates and Cetaceans to Sygnathids and Cephalopods. Management of new species to the facility and support during the development of a major new Amazon exhibit. Teaching veterinary students and visiting veterinarians during their rotations through the aquarium. Conducting continuing education programs for technical support staff. Consulting on several field research projects involving both terrestrial and aquatic species and their environments.

**Lincoln Park Zoo,
John G. Shedd Aquarium, Chicago** *Zoological & Aquatic Animal Medicine Internship* **1998-2000**

Full involvement in all aspects of clinical medicine, antemortem diagnosis & treatment, preventative medicine, nutrition & surgery initially under direct supervision of staff veterinarians at the zoo & aquarium. Providing educational presentations, implementing new & participating in ongoing research & conservation projects.

**Sepilok Orangutan Rehabilitation Center, Malaysia
Wildlife Conservation Society, New York** *Wildlife Health Fellow Researcher & Veterinarian* **1996-1998**

Provided medical care to wild free-ranging animals during capture & translocation procedures. Provided medical care to orphaned or injured wildlife at the center. Conducted research on the health of free ranging wild populations of elephants & orangutans & their captive counterparts. Helped implement preventative medical protocols and computerize medical record keeping. Training staff on diagnostic equipment and techniques.

EDUCATION

Doctorate in Veterinary Medicine, 1996 **Tufts University School of Veterinary Medicine, MA**

B.Sc. (Ecology & Environmental Biology, major) **University of Connecticut, CT**

B.A. (French major, Anthropology minor) 1990

Wildlife Ecology & Management Program, 1989 **School for Field Studies, Kenya**

RESEARCH

Sumatran Rhino population demographics insitu and Reproductive Evaluation of exsitu Sumatran Rhinoceros in Sabah, Malaysia, with EJ Bosi (University of Malaysia Sabah), Nan Schaffer, DVM, SOS Rhino and Sabah Wildlife Department.

Evaluating reproduction in the endangered Australian lungfish using ultra-sound and hormonal analysis, with MG Greenwell, A Feldman and T Robot. John G. Shedd Aquarium Conservation programs

Health Evaluation of Wild Orangutan in Sabah, Malaysia, with WB Karesh (WCS) and EJ Bosi (Sabah Wildlife Department). Wildlife Health Fellowship, WCS & Morris Animal Foundation.

Translocation and Health Evaluation of Wild Elephants in Sabah, Malaysia. With EJ Bosi (Sabah Wildlife Department) and WB

Karesh (WCS). Wildlife Conservation Society Wildlife health Fellowship.

The Potential Use Ag85 Levels for the Detection Mycobacterial Diseases in Orangutans. With H Godfrey (NY medical college), PP Calle and WB Karesh (WCS). Wildlife Health Fellow (WCS), NIH, Belgium National research Foundation.

A comparative study of disease among wild and captive populations of lemur species in Madagascar, 5-8/93. Supervisors: C. Sedgwick, DVM, M. Walters, DVM, A. Jolly Ph.D. NIH Training grant, TUSVM international & wildlife programs.

Less invasive techniques for genetic diversity studies in rhinoceros and wild dog. South Africa, 5-8/94 Supervisors: A. Warren, DVM, Ph.D., A. Maddock, Ph.D. Tufts International Veterinary Medicine. Research Grant,

PUBLICATIONS/ ILLUSTRATIONS/ POSTERS/ ARTICLES

Serum Antigen 85 Levels in Adjunct Testing for Active Mycobacterial Infections in Orangutans (Pongo pygmaeus). AM Kilbourn, HP Godfrey, RA Cook, PP Calle, EJ Bosi, SI Bentley-Hibert, K Huygen, M Andau, WB Karesh. *Journal of Wildlife Diseases*, 37 (1), 2001. Pp.65-71.

Disease evaluation of free-ranging orangutans (Pongo pygmaeus), Malaysia. AM Kilbourn, WB Karesh, EJ Bosi, RA Cook, M Andau, ND Wolfe. Abstract in: Proceedings of the 1998 AAZV Conference

Conservation Medicine. S Deem, AM Kilbourn, N Wolfe, RA Cook, WB Karesh. *Tropical Veterinary Diseases: Control and prevention in the context of the new world order.* E James A. House, K Kocan, EP Gibbs, 370-377 *Annal of the New York Academy of Science Vol 916.*

Wild primate populations as sentinels for emerging viruses: arboviral serology among orangutans and humans in Sabah, north Borneo. ND Wolfe, BC Cropp, AM Kilbourn, WB Karesh, EJ Bosi, M Andau, HA Raham, DJ Gubler. Submitted to 1998 American Society of tropical medicine and public health.

Circulating alpha-tocopherol and retinol in free-ranging and zoo ungulates. 1998 ES Dierenfeld, WB Karesh, BL Raphael, RA Cook, AM Kilbourn, EJ Bosi, M Andau.

Orangutan nest counts using a helicopter at Tabin and Sepilok wildlife Reserves, Sabah Malaysia. 1998 EJ Bosi, AM Kilbourn, WB Karesh, M Andau, E Taming and J Komiji. Proceedings of the 1998 Great Ape Conference, Sarawak.

Translocation of Wild Orangutan (Pongo pygmaeus) in Sabah Malaysia. AM Kilbourn, WB Karesh, EJ Bosi, M Andau Abstract in: Proceedings of the 1997 AAZV Conference

Translocation of Wild Elephants (Elephas maximus) in Sabah Malaysia. EJ Bosi, AM Kilbourn, WB Karesh, M Andau Abstract in: Proceedings of the 1997 AAZV Conference

Wild primate population in emerging infectious disease research: The missing Link? 1998. N Wolfe, A Escalante, WB Karesh, AM Kilbourn, A Speilman, AA Lal. *Emerging Infectious Diseases* 4(2).

An epidemiological survey of wild populations of ring-tailed lemur (Lemur catta) and verreaux's sifaka (Propithecus verreauxi): Implications for conservation efforts. 1995. A Kilbourn. Abstract in: Environmental changes in Madagascar, ed. BD Patterson, SM Goldman, JD Sedgwick, pg. 40/107.

Illustrations for teaching manuals, "National Council for Excellence in Zoo Animal Management" pamphlet & article on the equine guttural pouch (P Bolton), Designs for club T-shirts & rain forest exhibit at CTMuseum of Natural History.

PROFESSIONAL AFFILIATIONS & STUDENT ORGANIZATIONS

Veterinarians for Global Solutions Inc. Board member. Wildlife conservation, development, medicine & research.

Tufts Wildlife Club Co-President. Organized wildlife conservation & exotic animal medicine conferences, wet labs, fund raising, developing &/or volunteering for projects involving national & international wildlife. Field research.

Tufts Colic and Neonatal Team, Students care of ICU patients.

Member: AVMA, AAZV, WDA, WAWV, WRAM, NWRA, WCS, WWF

Conferences: AAZV 1993,'94, '95, '97, '98, '99, '00. AAHA 1991, 1998. NWRA 1994. WRAM 1995, ZSSA 1994

PERSONAL/ LANGUAGES/ CERTIFICATION

Newspaper Articles/Video:

Rescue of Besieged Orangutans Aids Research, 1997. **The New York Times**, USA

Walking on the Wild Side, 1997. **The Sunday Mail**, Australia.

Operation Jumbo Drop, 1997. **Sabah Daily Express**, Malaysia.

*Animal Manners on Tour in Malaysia, (Dieren manieren op Reis)*1997, Video, Holland.

Languages: Fluent: English, French & Dutch. Competent: Spanish, German. Conversation: Malagasy, Malay, Kiswahili.

Born: Switzerland. Citizen: British. Raised in Europe, Schooled in Belgium, University in the USA. Legal Alien.

Certified PADI SCUBA Diver. Six years martial arts Tai Kwon Do. Private Pilots License training UConn Flying Club.

Illustration: pencil, pen and ink, copper plate etching, print making and watercolor techniques.

Recreation: Travel, horseback riding, canoeing, hiking, camping, dancing, drawing.