**Anne Mertl Millhollen**

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**EDUCATIONAL BACKGROUND**

**PhD, Biology, 1974** University of Oregon, Eugene, OR

**MAT, Biology, 1967** University of Chicago, Chicago, IL

**BA, Biology, 1965** University of Chicago, Chicago, IL

**PROFESSIONAL EXPERIENCE**

**University of Oregon, Dept. of Anthropology**

**Courtesy Research Associate, 2004-**

Periodic lectures about areas of research, continuing research in Madagascar

**Portland State University, Dept. of Anthropology**

**Adjunct Lecturer, 2009-2012**

Teaching a class in Primate Ecology and Behavior

**Rolling Hills Refuge, Salina, KS**

**Visiting scientist, 1999-2004**

Study of lemur handedness.

**Hays Public Library, Hays, KS**

**Adult Department Head, 1985-2004**

Managing $100,000 annual materials budget, programming, supervising staff of 10.

**Fort Hays State University, Hays, KS**

**Adjunct Professor of Psychology, 1979-2005**

Periodic lectures about areas of research.

**Fort Hays State University, Hays, KS**

**Assistant Professor of Biology, 1980 - 1981**

Teaching general biology classes.

**North American Wildlife Park, Battleground, IN**

**Visiting scientist, 1977 - 1978**

Research on wolf olfactory communication.

**University of Oregon Medical School, Portland, OR**

**Research Associate, 1976 - 1977**

Research on respiratory effects of methadone.

**Duke University, Dept. of Zoology, Durham, NC**

**Post-doctoral Student, 1974 - 1976**

Field research on the behavior of Madagascar lemurs. Advisor: Dr. Peter Klopfer.

**Oregon Regional Primate Research Center, Tigard, OR**

**Graduate Trainee, 1971 - 1974**

Graduate research on lemur olfactory communication. Advisors: Dr. John Fentress and Dr. William Montagna.

**University of Oregon Marine Research Station, Charleston, OR**

**Graduate student, 1970**

Field study of Stellar sea lion vocalizations.

**University of Oregon, Dept. of Biology, Eugene, OR**

**Graduate Teaching Fellow, 1969 - 1970**

Teaching assistant in core biology course and special section of biology for elementary education majors.

**University of Chicago and Brookfield Zoo, Chicago and Brookfield, IL**

**Master's student., 1966**

Master's research on social behavior of captive baboon troop.

**RESEARCH INTERESTS**

Primatology, behavioral ecology

**PROFESSIONAL AFFILIATIONS**

 International Primatological Society

 American Primatological Society

**Reviewer :** *International Journal of Primatology, American Journal of Primatology, Primates, Behavioral Ecology & Sociobiology,* and *Animal Behaviour,* 1980-present.

**AWARDS, FELLOWSHIPS AND GRANTS**

2006-2008 National Geographic Society research grant for Madagascar field study.

2002-2004 Kansas Arts Commission Grants (3) for environmental bridge paintings

1986-2003 Kansas Committee for the Humanities grants (13) for book discussions.

2000 WPTI grant for field research in Madagascar (with Alison Jolly).

1998 LSTA grant for computer software.

1985 Sigma Xi grant for slide series on museum collection for public schools.

1974 Wenner-Gren Anthropological Foundation research grant for field study.

1971-1974 NIH Training Grant.

1970 NSF Summer Training Grant

1969 University of Oregon Teaching Assistantship

**PUBLICATIONS and PRESENTATIONS**

Mertl-Millhollen, A.S., Millhollen, E.L., Raharison, S.M, and Rasamimanana, H. 2015. Ring-tailed Lemur (*Lemur catta*) Latrines Are Not a Communication Signal at Berenty Reserve, Madagascar. *Am J Primatol* 77 (S1): 120 (abstract).

Mertl-Millhollen, A.S., Blumenfeld-Jones, K., Rasamimanana, H., Palagi, E., Needham, J.L., Walker-Bolton, A., Pride, R.E., Kuykendall, A.T., Niemeyer, A. and Peterson, S. 2014. *Lemur catta* mating behavior at Berenty Reserve, Madagascar: Mating synchrony, indirect female choice and the operational sex ratio. *Am J Phys Anthrop* Supp 58: 184 (abstract).

Kelley, E.A., Rasamimanana, H. and Mertl-Millhollen, A.S. 2014. When ring-tailed lemurs find lemons and make lemonade: The dependency on *Opuntia* at Cap Sainte-Marie and the increasing use of *Opuntia* at Berenty. *Am J Phys Anthrop* Supp 58: 156 (abstract).

Rasamimanana, H., Mertl-Millhollen, A.S., Raharison, S.M., Tsaramanana, D.R. and Blumenfeld-Jones, K. 2013. *Lemur catta* feeding on *Tamarindus indica*  and ranging at Berenty Reserve Madagascar. International Prosimian Congress, Ranomafana, Madagascar (poster presentation).

Rasamimanana, H., Razafindramanana, J., Mertl-Millhollen, A.S., Blumenfeld-Jones, K., Raharison, S. M., Tsaramanana, D. R., Razoliharisoa, V. and Tarnaud, L. (2013). Berenty Reserve: interactions among the diurnal lemur species and the gallery forest. In: *Leaping Ahead: Advances in Prosimian Biology*, Masters, J. C., Gamba, M., and Génin, F. G. S (eds.). New York: Springer Media, pp. 361-368.

Mertl-Millhollen, A. S. 2012. Mating season synchrony of the ring-tailed lemurs at Berenty Reserve, Madagascar: 1964-2011. *American Journal of Primatology* 74 (S1): 62 (abstract).

Mertl-Millhollen, A. S., Blumenfeld-Jones, K., Raharison, S. M, Tsaramanana, D. R., and Rasamimanana, H. (2011). Tamarind tree seed dispersal by ring-tailed lemurs. *Primates* 52: 391-396.

Mertl-Millhollen, A. S. (2008). Book Review: Lemurs: Ecology and Adaptation by Lisa Gould and Michelle L. Sauther. *American Journal of Physical Anthropology* 135: 491-492.

Mertl-Millhollen, A. S. and Rambeloarivony, H. (2007). Symposium: Berenty Reserve, Madagascar: Research, Realities, Management, and Ethics. Prosimians 2007 International Congress, Ithala Game Reserve, Kwa-Zulu-Natal, South Africa (abstract).

Mertl-Millhollen, A. S. (2007). Ring-tailed Lemurs as Seed Dispersers. Prosimians 2007 International Congress, Ithala Game Reserve, Kwa-Zulu-Natal, South Africa (abstract).

Mertl-Millhollen, A. S. (2007). Lateral Bias to the Leading Limb in an Olfactory Social Signal by Male Ring-tailed Lemurs. *American Journal of Primatology* 69: 635-640.

Blumenfeld-Jones, K., Randriamboavony, T. M., Williams, G., Mertl-Millhollen, A. S., Pinkus, S., and Rasamimanana, H. (2006) Tamarind Recruitment and Long-Term Stability in the Gallery Forest at Berenty, Madagascar. In: *Ringtailed Lemur Biology*, Jolly, A., Koyama, N., Rasamimanana, H., and Sussman, R. W., pp 69-85.

Mertl-Millhollen, A. S., Rambeloarivony, H., Miles,W., Kaiser, V. A., Gray, L., Dorn, L. T., Williams, G., and Rasamimanana, H. (2006). The Influence of Tamarind Tree Quality and Quantity on *Lemur catta* Behavior. In: *Ringtailed Lemur Biology*, Jolly, A., Koyama, N., Rasamimanana, H., and Sussman, R. W., pp. 102-118.

Mertl-Millhollen, A. S. (2006). Scent Marking as Resource Defense. *American Journal of Primatology* (special issue: The Neglected Sense—Olfaction in Primate Behavior, Ecology and Evolution) 68 (6): 605-621.

Mertl-Millhollen, A. S. (2005). Lateralized Scent Marking by Captive and Wild Male Ring-tailed Lemurs. *American Journal of Primatology* 66 (S1): 52-53 (abstract).

Mertl-Millhollen, A. S. (2004). Primate Scent Marking as Resource Defence. *Folia Primatologica* 75 (S1): 49-50 (abstract).

Mertl-Millhollen, A. S.,Rambeloarivony, H., Miles, W. and Rasamimanana, H.(2004). Tamarind leaf quality and *Lemur catta* Population Density and Behavior. *Folia Primatologica* 75 (S1): 157-158 (abstract).

Mertl-Millhollen, A. S., Moret, E. S., Felantsoa, D., Rasamimanana, H., Blumenfeld-Jones, K.C. and Jolly, A. (2003). Ring-Tailed Lemur Home Ranges Correlate with Food Abundance and Nutritional Content at a Time of Environmental Stress. *International Journal of Primatology* 24 (5): 969-985.

Mertl-Millhollen, A.S., Moret, E.S., Felantsoa, D., Rasamimanana, H., Blumenfeld-Jones, K.C. and Jolly, A. (2002). Ring-Tailed Lemur Foraging Correlates with Nutritional Content and Abundance at Berenty Reserve, Madagascar. *American Journal of Primatology* 57 (suppl. 1): 74 (abstract).

Mertl-Millhollen, A. (2000). Ringtailed Lemur (*Lemur catta*) Over-Marking as an Example of Resource Defense. *American Journal of Primatology* 51 (suppl. 1*)*: 73-74(abstract)*.*

Mertl-Millhollen, A. (2000). Components of Scent Marking Behavior by Male Ringtailed Lemurs (*Lemur catta*) at Berenty Reserve, Madagascar. *American Journal of Primatology* 51 (suppl. 1): 74 (abstract).

Mertl-Millhollen, A. S. (2000).Tradition in *Lemur catta* Behavior at Berenty Reserve, Madagascar. *International Journal of Primatology* 21: 287-297*.*

Mertl-Millhollen, A. S. 1988. Olfactory Demarcation of Territorial but Not Home Range Boundaries by *Lemur catta*. *Folia Primatol.* 50: 175-187.

Mertl-Millhollen, A. 1986. Territorial Scent Marking by Two Sympatric Lemur Species.In *Chemical Signals in Vertebrates IV*, D. Duvall, D. Muller-Schwarze, and R. M. Silvestein, eds. New York: Plenum, pp. 647-652.

Mertl-Millhollen, A. S., P. Goodmann, and E. Klinghammer. 1986. Wolf Scent Marking. *Zoo Biology.* 5: 7-20.

Mertl-Millhollen, A. S. 1984. Olfactory Demarcation of Territorial but Not Home Range Boundaries. *Amer. Zool.* 24(4): 103A (abstract).

Mertl-Millhollen, A. S. 1984. Lemur Agonistic Interactions. *Trans. Kansas Acad. Sci.* 3: 29-30 (abstract).

Mertl-Millhollen, A. S. 1983. Scent Marking by Female Ring-tailed Lemurs: Circumstantial Evidence for a Primate Pheromone. *Trans. Kansas Acad. Sci.* 2: 21 (abstract).

Mertl-Millhollen, A. S. 1982. Territorial Scent Marking by Ring-tailed Lemurs *(Lemur catta)*. *Trans. Kansas Acad. Sci.* 1: 35-36 (abstract).

Mertl-Millhollen, A. S. 1980. Wolf Scent Marking During the Time of Breeding, Pregnancy and Birth. *Trans. Kansas Acad. Sci.* 83(1): 144 (abstract).

Mertl-Millhollen, A. S. 1979. Olfactory Demarcation of Territorial Boundaries by a Primate--*Propithecus verreauxi. Folia Primatol.* 32: 35-42.

Mertl-Millhollen, A. S., H. L. Gustafson, N. Budnitz, K. Dainis, and A. Jolly. 1979. Population and Territory Stability of the *Lemur catta* at Berenty, Madagascar. *Folia Primatol.* 31: 106-122.

Mertl, A. S. 1977. Habituation to Territorial Scent Marks in the Field by *Lemur catta*. *Behav. Biol.* 21: 500-507.

Olsen, G. D., A. S. Mertl, R. Bartos, L. M. Parziale, J. E. Wilson and H. A. Wendel. 1977. Correlation of Methadone-Induced Respiratory Depression and Miosis with Serum Concentrations of Methadone Measured by Radioimmunoassay. (Abstract) *Fed. Proc.*

Olsen, G. D., A. S. Mertl, and H. A. Wendel. 1977. Control of Ventilation in Pregnant Methadone Maintenance Subjects. *Proc. West. Pharmacol. Soc.* 20: 487-492.

Mertl, A. S. 1976. Olfactory and Visual Cues in Behavioral Interactions. *Folia Primatol.* 26: 151-161.

Mertl, A. S. 1975. Discrimination of Individuals by Scent in a Primate. *Behav. Biology* 14: 505-509.

Jolly, A., H. L. Gustafson, A. Mertl, et G. Ramanantsoa. 1975. Population, espace vital et composition des groupes chez le maki *(Lemur catta)* et le sifaka (*Propithecus verreauxi verreauxi)* a Berenty, Republique Malagasy. *Acad. Malagache.*

Mertl, A. S. 1974. A Graduate Study on *Lemur catta.* *Primate News* 12(8): 2-4.

Mertl, A. S. 1974. Olfactory Communication in *Lemur catta.* Doctoral dissertation, University of Oregon.

Mertl, A. S. 1967. Baboon Social Behavior. Master's thesis, University of Chicago.