

# RESEARCH PUBLICATIONS BY ZOO ATLANTA STAFF 1978–Present

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## **1978**

1. Maple, T.L., and E.L. Zucker. 1978. Ethological studies of play behavior in captive great apes. In E.O. Smith (Ed.), *Social Play in Primates*. New York: Academic Press, 113–142.

## **1979**

2. Maple, T.L. 1979. Great apes in captivity: the good, the bad, and the ugly. In J. Erwin, T.L. Maple, G. Mitchell (Eds.), *Captivity and Behavior: Primates in Breeding Colonies, Laboratories and Zoos*. New York: Van Nostrand Reinhold, 239–272.
3. Strier, K.B., J. Altman, D. Brockman, A. Bronikowski, M. Cords, L. Fedigan, H. Lapp, J. Erwin, T.L. Maple, and G. Mitchell (Eds.). 1979. *Captivity and Behavior: Primates in Breeding Colonies, Laboratories and Zoos*. New York: Van Nostrand Reinhold, 286.

## **1981**

4. Hoff, M.P., R.D. Nadler, and T.L. Maple. 1981. Development of infant independence in a captive group of lowland gorillas. *Developmental Psychobiology* 14:251–265.
5. Hoff, M.P., R.D. Nadler, and T.L. Maple. 1981. The development of infant play in a captive group of lowland gorillas (*Gorilla gorilla gorilla*). *American Journal of Primatology* 1:65–72.

## **1982**

6. Hoff, M.P., R.D. Nadler, and T.L. Maple. 1982. The control role of the adult male in a captive group of lowland gorillas. *Folia Primatologica* 38:72–85.
7. Maple, T.L., and M.P. Hoff. 1982. *Gorilla Behavior*. New York: Van Nostrand Press.
8. Brown, S.G., W. Dunlap, and T.L. Maple. 1982. Notes on the water-contact behavior of captive lowland gorillas. *Zoo Biology* 1:243–249.

## **1983**

9. Hoff, M.P., R.D. Nadler, and T.L. Maple. 1983. Maternal transport and infant motor development in a captive group of lowland gorillas. *Primates* 24:77–85.

10. Maple, T.L. 1983. Environmental psychology and great ape reproduction. *International Journal for the Study of Animal Problems* 4:295–299.
11. Maple, T.L., and A. Warren-Leubecker. 1983. Variability in parental conduct of captive apes. In M.D. Reite, and N.G. Caine (Eds.), *Child Abuse: The Nonhuman Primate Data*. New York: Alan R. Liss, Inc., 119–137.

#### **1985**

12. Olson, F., and K.C. Gold. 1985. Behavioral differences in captive mother-reared and hand-reared infant lowland gorillas. *AAZPA National Proceedings*:143–152.

#### **1986**

13. Maple, T.L., and T.W. Finlay. 1986. Evaluating captive primate environments. In K. Benirschke, (Eds.), *Primates: The Road to Self-Sustaining Populations*. New York: Springer-Verlag, 480–488.

#### **1987**

14. Peffer, P.G., C.D. Schaaf, and J.C. Coe. 1987. Simulation of a West African rainforest: the role of zoo design in conservation education. *AAZPA Regional Proceedings*:757–760.
15. Hunt, R. 1987. Nest excavation and neonate transport in wild *Alligator mississippiensis*. *Journal of Herpetology* 21:348–350.
16. Upton, S., and S. Barnard. 1987. Two new species of Coccidia (Apicomplexa: Eimeriidae) from Madagascar gekkonids. *Journal of Protozoology* 34:452-454.

#### **1988**

17. Finlay, T.M., L.R. James, and T.L. Maple. 1988. People's perceptions of animals: the influence of zoo environment. *Environment and Behavior* 20:508–528.

#### **1989**

18. Jackson, D.M., J.J. Ogden, and T.L. Maple. 1989. Making visual contact at the gorilla interpretive center: A study of visitor traffic flow. *Visitor Studies: Theory, Research, and Practice* 2:225–337.
19. Maple, T.L., and T.W. Finlay. 1989. Applied primatology in the modern zoo. *Zoo Biology* 8 Supplement: 101–116.
20. Braswell, L.D., and R. McManamon. 1989. Clinical oral pathology in non-human primates. *Journal of Veterinary Dentistry* 6:26–27 (abstract).
21. Ogden, J.J., T.W. Finlay, D. Jackson, and T.L. Maple. 1989. Gorillas of Cameroon: A post-occupancy evaluation. *AAZPA Regional Proceedings*:557–563.
22. Goode, M. 1989. *Pseustes sulphureus*. Reproduction. *Herpetological Review* 20:73.

23. Upton, S., C. McAllister, P. Freed, and S. Barnard. 1989. *Cryptosporidium* spp. in wild and captive reptiles. *Journal of Wildlife Diseases* 25:20–30.

### 1990

24. Bruner, G. 1990. From bars to boughs: Design and construction of Zoo Atlanta's great ape exhibits. *AAZPA Regional Proceedings*:550–556.
25. Ogden, J.J., T.W. Finlay and T.L. Maple. 1990. Gorilla adaptations to naturalistic environments. *Zoo Biology* 9:107–121.
26. Herman, D.W., and B.W. Tryon. 1990. *Kinosternon subrubrum*. *Herpetological Review* 21:95

### 1991

27. Hunt, R., and J. Ogden. 1991. Selected aspects of the nesting ecology of American alligators in the Okefenokee Swamp. *Journal of Herpetology* 25:448-453.

### 1992

28. Bruner, G., and L. Meller. 1992. Convergent evolution in design philosophy of gorilla habitats. *International Zoo Yearbook* 31:213–221.
29. Gold, K.C. 1992. Nonsocial behaviors of captive infant gorillas (*Gorilla gorilla gorilla*). *American Journal of Primatology* 26:65–72
30. Maple, T.L., and J.J. Ogden. 1992. Designing for apes: The comparative psychology of gorillas and orangutans. *Zoo Design 4: Proceedings of the 4<sup>th</sup> International Symposium on Zoo Design and Construction*. Paignton, U.K., 186–194.
31. Ogden, J.J., G. Bruner, and T.L. Maple. 1992. A survey of the use of electric fencing with captive great apes. *International Zoo Yearbook* 31:229–236.
32. Winslow, S.W., J.J. Ogden, and T.L. Maple. 1992. Socialization of an adult male gorilla. *International Zoo Yearbook* 31:221–225.
33. Lovich, J. E., D.W. Herman, and K.M. Fahey. 1992. Seasonal activity and movements of bog turtles (*Clemmys muhlenbergii*) in North Carolina. *Copeia* 1992:1107–1111.
34. Herman, D.W., J. F. Green, and B.W. Tryon. 1992. *Clemmys muhlenbergii*. *Herpetological Review* 23:122.

### 1993

35. Butynski, T.M. 1993. Institute of Tropical Forest Conservation, Uganda (former Impenetrable Forest Conservation Project). *Gorilla Conservation News* 7:20–21.
36. Butynski T.M, and J. Kalina. 1993. Three new mountain national parks for Uganda. *Oryx* 27:214–224.

37. Ogden, J.J., D.G. Lindburg, and T.L. Maple. 1993. The effects of ecologically-relevant sounds on zoo visitors. *Curator* 36:147–156.
38. Ogden, J.J., D.G. Lindburg, and T.L. Maple. 1993. Preference for structural environmental features in captive lowland gorillas (*Gorilla gorilla gorilla*). *Zoo Biology* 12:381–395.
39. Herman, D.W., and A.C. Boynton. 1993. *Kinosternon subrubrum subrubrum*. *Herpetological Review* 24:154.

#### 1994

40. Butynski, T.M. 1994. How the smaller zoos can contribute to in situ conservation in Africa: The Zoo Atlanta approach. *AZA Annual Conference Proceedings*:61–66.
41. Butynski T.M., and J. Kalina. 1994. The Bwindi–Impenetrable National Park, Uganda. *Gorilla Conservation News* 8:19–20.
42. Butynski, T.M., S.E. Werikhe, and J. Kalina. 1994. Status, distribution and conservation of the mountain gorilla in the Gorilla Game Reserve, Uganda. *Primate Conservation* 11:31–41.
43. Gold, K.C., and T.L. Maple. 1994. Personality assessment in the gorilla and its utility as a management tool. *Zoo Biology* 13:509–522.
44. Gold, K.C. 1994. Who's doing what where: infant hand-rearing techniques of lowland gorillas (*Gorilla gorilla gorilla*). *Proceedings of the First Gorilla Workshop*.
45. Hoff, M.P., R.D. Nadler, K.T. Hoff, and T.L. Maple. 1994. Separation and depression in infant gorillas. *Developmental Psychobiology* 27:439–452.
46. Hoff, M.P., D.L. Forthman, and T.L. Maple. 1994. Dyadic interactions of lowland gorillas in an outdoor exhibit compared to an indoor holding area. *Zoo Biology* 13:245–256.
47. Ogden, J.J., D.G. Lindburg, and T.L. Maple. 1994. Effects of ecologically-relevant sounds on the behavior of captive lowland gorillas. *Applied Animal Behavior Science* 39:163–176.

#### 1995

48. Sarmiento E., T. Butynski, and J. Kalina. 1995. Study finds fewer mountain gorillas. *African Primates* 1:56–57.
49. Sarmiento E.E., T.M. Butynski, and J. Kalina. 1995. Taxonomic status of the gorillas of the Bwindi-Impenetrable Forest. *Primate Conservation* 16:40–43.
50. Butynski, T.M., and E.E. Sarmiento. 1995. On the brink: the gorilla of Mount Tshiaberimu, Zaire. *Kenya Past and Present* 27:17–20.
51. Hoff, M.P., and T.L. Maple. 1995. Post-occupancy modification of a lowland gorilla enclosure at Zoo Atlanta. *International Zoo Yearbook* 34:153–160.

52. Maple, T.L., E.F. Stevens, and R. McManamon. 1995. Defining the “good zoo”: Animal care, maintenance, and welfare. In B.G. Norton, M. Hutchins, E.F. Stevens, and T.L. Maple (Eds.), *Ethics on the Ark: Zoos, Animal Welfare and Wildlife Conservation*. Washington, D.C.: Smithsonian Institution Press, 219–234.
53. Norton, B.G., M. Hutchins, E.F. Stevens, and T.L. Maple (Eds.). 1995. *Ethics in the Ark: Zoos, Animal Welfare and Wildlife Conservation*. Washington, D.C.: Smithsonian Institution Press.
54. Scott, N.A., R. McManamon, E. Strobert, G.D. Cipolla, N. Tarazona, and R.B. Swenson. 1995. *In vivo* diagnosis of coronary artery disease in a western lowland gorilla (*Gorilla gorilla gorilla*). *Journal of Zoo and Wildlife Medicine* 26:139–143.

### 1996

55. Butynski, T.M. 1996/1997. African primate conservation: The species and the IUCN/SSC Primate Specialist Group network. *Primate Conservation* 17:87–100.
56. Butynski, T.M. 1996. International trade in CITES: Appendix II—African primates. *African Primates*: 5–9.
57. Butynski, T.M. 1996. Itombwe Mountains: rich in species. *Kenya Past and Present* 28:35–36.
58. Butynski, T.M., J.A. Hart, and O. Ilambu. 1996. Preliminary report on a survey of the Southern Itombwe Massif. *Gorilla Journal* 13:13–17.
59. Sarmiento, E.E, T.M. Butynski, and J. Kalina. 1996. Gorillas of Bwindi-Impenetrable Forest and the Virunga Volcanoes: taxonomic implications of morphological and ecological differences. *American Journal of Primatology* 40:1–21.
60. Sarmiento, E., and T.M. Butynski. 1996. Present problems in gorilla taxonomy. *Gorilla Journal* 12: 5–7.
61. Ashford, R.W., H. Lawson, T.M. Butynski, and G.D.F. Reid. 1996. Patterns of intestinal parasitism in the mountain gorilla (*Gorilla gorilla*) in the Bwindi-Impenetrable Forest, Uganda. *Journal of Zoology* 239:507–514.
62. Butynski, T.M., and E. Sarmiento. 1996. The gorillas of Mt. Tshiaberimu, Zaire. *Gorilla Conservation News* 10:14–15.
63. Butynski, T.M., and E. Sarmiento. 1996. Mt. Tshiaberimu gorilla census. EANHS (East African National Historical Society) *Bulletin* 26:2–4.
64. Hoff, M.P., K.T. Hoff, L.C. Horton, and T.L. Maple. 1996. Behavioral effects of changing group membership among captive lowland gorillas. *Zoo Biology* 115:383–393.

### 1997

65. Hoff, M.P., K.D. Burks, and T.L. Maple. 1997. Abnormal Behavior. *In* J. Ogden and D. Wharton (Eds.). *The Management of Gorillas in Captivity*. Atlanta: The Gorilla Species Survival Plan and the Atlanta/Fulton County Zoo.
66. Hoff, M.P., D.M. Powell, K.E. Lukas, and T.L. Maple. 1997. Individual and social behavior of lowland gorillas in outdoor exhibits compared with indoor holding areas. *Applied Animal Behaviour Science* 54:359–370.
67. Maple, T.L., and L.A. Perkins. 1997. Enclosure furnishings for captive mammals. *In* D. Kleiman, M. Allen, K. Thompson, and S. Lumpkin (Eds.), *Wild Mammals in Captivity: Principles and Techniques*. Chicago: University of Chicago Press, 212–232.
68. Stoinski, T.S., B.B. Beck, M. Bowman, and J. Lehnhardt. 1997. The gateway zoo program: A recent initiative in golden lion tamarin reintroductions. *In* J. Wallis (Ed.) *Primate Conservation: The Role of Zoological Parks*, 113–130. The American Society of Primatologists.
69. Allison, D., B. Wills, L.F. Hodges, and J. Wineman. 1997. Gorillas in the Bits. Proceedings of the IEEE Virtual Reality Annual International Symposium. Albuquerque, NM, March 1–5. Also available as Graphics, Visualization and Usability Center, Georgia Institute of Technology, Report number GIT–GVU–96–16.

### 1998

70. Butynski, T.M., and J. Kalina. 1998. Gorilla tourism: A critical look. *In* E.J. Milner-Gulland and R. Mace (Eds.), *Conservation of Biological Resources*. Oxford: Blackwell Science, 294–313 and 359–369 (references).
71. Sarmiento, E.E., and T.M. Butynski. 1998. Preliminary report on the Alimbongo–Bingi–Lutunguru survey, DRC. *Gorilla Conservation News* 12:13–14.
72. Sarmiento, E.E., and T.M. Butynski. 1998. Preliminary report on the survey of Mt. Tshiaberimu, Democratic Republic of Congo. *Gorilla Conservation News* 12:10–12.
73. Hoff, M.P., K.T. Hoff, and T.L. Maple. 1998. Behavioural response of a western lowland gorilla (*Gorilla gorilla gorilla*) group to the loss of the silverback male at Zoo Atlanta. *International Zoo Yearbook* 36:90–96.
74. Stoinski, T.S., K.E. Lukas, and T.L. Maple. 1998. A survey of research in North American zoos and aquariums. *Zoo Biology* 17:167–180.
75. Lovich, J. E., C.H. Ernst, R.T. Zappalorti, and D.W. Herman. 1998. Geographic variation in growth and sexual size dimorphism of Bog Turtles (*Clemmys muhlenbergii*). *The American Midland Naturalist* 139:69–78.

### 1999

76. Omari, I., J.A. Hart, T.M. Butynski, N.R. Birhashirwa, A. Upoki, Y. M'Keyo, F. Bengana, M. Bashonga, and N. Bagurubumwe. 1999. The Itombwe Massif, Democratic Republic of Congo: biological surveys and conservation, with an emphasis on Grauer's gorilla and birds endemic to the Albertine Rift. *Oryx* 33:301–322.
77. Lukas, K.E. 1999. A review of nutritional and motivational factors contributing to the performance of regurgitation and reingestion in captive lowland gorillas (*Gorilla gorilla gorilla*). *Applied Animal Behavior Science* 63:237–249.
78. Lukas, K.E., G. Hamor, M.A. Bloomsmith, C.L. Horton, and T.L. Maple. 1999. Removing milk from captive Gorilla diets: the impact on regurgitation and reingestion (R/R) and other behaviors. *Zoo Biology* 18:515–528.
79. Brockett, R.C., T.S. Stoinski, J. Black, T. Markowitz, and T.L. Maple. 1999. Nocturnal behavior in a group of unchained female African Elephants. *Zoo Biology* 18:101–109.

## 2000

80. Stoinski, T.S., E. Daniel, and T.L. Maple. 2000. A preliminary study of the behavioral effects of feeding enrichment on African elephants. *Zoo Biology* 19:485–493.
81. Lawson, D. P. 2000. A new caecilian from Cameroon, Africa (Amphibia: Gymnophiona: Scolecomorphidae). *Herpetologica*. 56:77–80.
82. Lawson, D.P. and P. C. Ustach. 2000. A redescription of *Atheris squamigera* (Hallowell) with comments on the validity of *Atheris anisolepis* Mocquard. *Journal of Herpetology* 34:386–389.
83. Lawson, D. P. 2000. Local harvest of hingeback tortoises, *Kinixys erosa* and *Kinixys homeana* in southwestern Cameroon. *Chelonian Conservation and Biology* 3:722–729.

## 2001

84. Erwin, J.M., M. Bloomsmith, S.T. Boysen, P.R. Hof, R. Holloway, L. Lowenstine, R. McManamon, D.P. Perl, W. Young, and A. Zihlman. 2001. The great ape aging project: A resource for comparative study of behavior, cognition, health and neurobiology. In: *All Apes Great and Small, Volume one: African Apes*, 195–199. Kluwer Academic/Plenum Publishers, New York.
85. Burks, K.D., M.A. Bloomsmith, D.L. Forthman, and T.L. Maple. 2001. Managing the socialization of an adult male gorilla (*Gorilla gorilla gorilla*) with a history of social deprivation. *Zoo Biology* 20:347–358.
86. Butynski, T.M. 2001. Africa's great apes. In Beck, B.B., T.S. Stoinski, M. Hutchins, T.L. Maple, B. Norton, A. Rowan, E.F. Stevens, and A. Arluke (Eds.), *Great Apes & Humans: The Ethics of Coexistence*. Washington, DC: Smithsonian Institution Press 3–56.

87. Lawson, D.P. 2001. Morphometrics and sexual dimorphism of the hingeback tortoises (*Kinixys erosa*) and *K. horneana* (Reptilia: Testudinidae) in southwestern Cameroon. *African Journal of Herpetology* 50:1–7.
88. Lawson, D.P. and M. Klemens. 2001. The African rainforest herpetofauna: an overview with recommendations for its conservation. In: *Biology of African Rainforests*, W. Weber, L.J.T. White, A. Vedder, and L. Naughton-Treved (Eds). Yale University Press.
89. Lawson, D.P., B.P. Noonan and P.C. Ustach. 2001. *Atheris subocularis* (Serpentes: Viperidae) revisited: molecular and morphological evidence for the resurrection of an enigmatic taxon. *Copeia* 2001:737–744.
90. Stoinski, T.S., and B.B. Beck. 2001. Spontaneous tool use in captive, free-ranging golden lion tamarins (*Leontopithecus roslia rosalia*). *Primates* 42:319–326.
91. Stoinski, T.S., M.P. Hoff, K.E. Lukas, and T.L. Maple. 2001. A preliminary behavioral comparison of two captive all-male gorilla groups. *Zoo Biology* 20:27–49.
92. Stoinski, T.S., M.P. Hoff, and T.L. Maple. 2001. Habitat use and structural preferences of captive western lowland gorillas (*Gorilla gorilla gorilla*): effects of environmental and social variables. *International Journal of Primatology* 22:431–447.
93. Stoinski, T.S., N. Ure, J. Wrate, and A. Whiten. 2001. Imitative learning by captive western lowland gorillas (*Gorilla gorilla gorilla*) in a simulated food-processing task. *Journal of Comparative Psychology* 115:272–281.
94. Stoinski, T.S., J.J. Ogden, K. Gold, and T.L. Maple. 2001. Captive apes and zoo education. In Beck, B.B., T.S. Stoinski, M. Hutchins, T.L. Maple, B. Norton, A. Rowan, B.F. Stevens, and A. Arluke (Eds.). *Great Apes and Humans: The Ethics of Coexistence*, 113–132. Smithsonian Institute Press.
95. Beck, B.B., T.S. Stoinski, M. Hutchins, T.L. Maple, B. Norton, A. Rowan, B.F. Stevens, and A. Arluke. 2001. *Great Apes and Humans: The Ethics of Coexistence*, 378 pp. Smithsonian Institute Press.
96. Perkins, L. E. L., R.P. Campagnoli, R.P. Harmon, C.R. Gregory, W.L. Steffens, K. Latimer, S. Clubb, and M. Crane. 2001. Detection and confirmation of reptilian adenovirus infection by in situ hybridization. *Journal of Veterinary Diagnostic Investigation* 13:365–368.
97. Wooley, R. E., B.W. Ritchie, M.P. Currin, S.W. Chitwood, S. Sanchez, M.M. Crane, and N. Lamberski. 2001. In vitro inhibition of Salmonella organisms isolated from reptiles by an inactivated culture of microcin-producing *Escherichia coli*. *American Journal of Veterinary Research* 62:1399–1401.

## 2002

98. Butynski, T. and D.L. Forthman (Eds.). 2002. *African Primates*, Vol.3 and Vol.4



99. Beck, B.B., I. Castro, T.S. Stoinski, and J. Ballou. 2002. Environmental influences on survivorship in the reintroduction of golden lion tamarins. In D.G. Kleiman and A.B. Rylands (Eds.) *The Lion Tamarins of Brazil: Twenty-five years of Research and Conservation*, 283–300. Smithsonian Institute Press.
100. Stoinski, T.S., M.T. Allen, M.A. Bloomsmith, D.L. Forthman, and T.L. Maple. 2002. Educating zoo visitors about complex environmental issues: should we do it and how? *Curator* 45:125–139.
101. Stoinski, T.S., N. Czekala, K.L. Lukas, and T.L. Maple. 2002. Urinary androgen and corticoid levels in captive, male Western Lowland Gorillas: age- and social group-related differences. *American Journal of Primatology* 56:73–83.
102. Stoinski, T.S., M.P. Hoff, and T.S. Maple. 2002. The effect of structural preferences, temperature, and social factors on visibility in western lowland gorillas (*Gorilla gorilla gorilla*). *Environment and Behavior* 34:493–507.
103. Stoinski, T.S., N. Czekala, K.L. Lukas, and T.L. Maple. 2002. Urinary cortisol and testosterone in male gorillas. *American Journal of Primatology* 56:73–83.
104. Tarou, L.R., M.A. Bloomsmith, M.P. Hoff, J.M. Erwin, and T.L. Maple. 2002. The Behavior of Aged Great Apes. In J.M. Erwin and P.R. Hof (Eds.), *Aging in Nonhuman Primates: Interdisciplinary Topics in Gerontology* 32:209–231. Basel, Switzerland: Karger.
105. Wilson, M., M. Bloomsmith, M. Crane, and T. Maple. 2002. Behaviour and serum cortisol concentrations in three African elephants (*Loxodonta africana*): Preliminary results. In: *A Research Update on Elephants and Rhinos*. H.M. Schwammer, T.J. Foose, M. Fouraker, D. Olson (Eds.).

### 2003

106. Maple, T.L., M.A. Bloomsmith, and R.J. Snyder. 2003. Panda 2000: Conservation priorities for the new millennium. *Zoo Biology* 22:311–312.
107. Bloomsmith, M.A., D.L. Forthman, and T.L. Maple. 2003. Behavioral and developmental consequences of early rearing experience for captive giant pandas (*Ailuropoda melanoleuca*). *Journal of Comparative Psychology* 117:235–245.
108. Butynski, T. and T.S. Stoinski (Eds.). 2003. *African Primates* 5.
109. Lukas, K.E., M.P. Hoff, and T.L. Maple. 2003. Gorilla behavior in response to systematic alternation between zoo enclosures. *Applied Animal Behavior Science* 81:367–386.
110. Lukas, K.E., T.S. Stoinski, K.D. Burks, R.J. Snyder, S. Bexell and T.L. Maple. 2003. Nest building in captive *Gorilla gorilla gorilla*. *International Journal of Primatology* 24:103–124.

111. Bloomsmith, M.A., M.L. Jones, R.J. Snyder, R.A. Singer, W.A. Gardner, S.C. Liu, and T.L. Maple. 2003. Positive reinforcement training to elicit voluntary movement of two Giant Pandas throughout their enclosure. *Zoo Biology* 22:323–334.
112. Stoinski, T.S., M.P. Hoff, and T.L. Maple. 2003. Proximity patterns of female western lowland gorillas (*Gorilla gorilla gorilla*) during the six months after parturition. *American Journal of Primatology* 61:61–72.
113. Stoinski, T.S., B.B. Beck, M.A. Bloomsmith, and T.L. Maple. 2003. A behavioral comparison of captive-born, reintroduced golden lion tamarins and their wild-born offspring. *Behaviour* 140:137–166.
114. Stoinski, T.S., and A. Whiten. 2003. Social learning by orangutans (*Pongo abelii* and *Pongo pygmaeus*) in a simulated food-processing task. *Journal of Comparative Psychology* 117:272–282.
115. Hopkins, W.D., T.S. Stoinski, K.E. Lukas, S.R. Ross, and M.J. Wesley. 2003. Comparative assessment of handedness for a coordinated bimanual task in chimpanzees (*Pan troglodytes*), gorillas (*Gorilla gorilla*), and orangutans (*Pongo pygmaeus*). *Journal of Comparative Psychology* 117:302–308.
116. Wilson, M., R. Sartor, R. Snyder, M. Bloomsmith, R. McManamon, G. Li, A. Zhang, Z. Zhang, and T. Maple. 2003. Facility design and management of captive giant pandas at Zoo Atlanta: Lessons learned from the first year. In: *Panda 2000: Conservation Priorities for the New Millennium*. D. Lindburg, K. Baronga (Eds.).
117. Wilson, M., A. Kelling, L. Poline, M. Bloomsmith, and T. Maple. 2003. Post-occupancy evaluation of Zoo Atlanta's Giant Panda Conservation Center: staff and visitor reactions. *Zoo Biology* 22:365–382.

#### **2004**

118. Butynski, T., and T.S. Stoinski (Eds.). 2004. *African Primates* 6.
119. Lawson, D.P. 2004. African Rock Python (*Python sebae*)—Home range and habitat use. *Herpetological Review* 35:180–181.
120. Mendelson, J.R., III, E.D. Brodie, Jr., J.M. Malone, M.E. Acevedo, M.A. Baker, N.J. Smatresk, and J.A. Campbell. 2004. Factors associated with the catastrophic decline of a cloudforest frog fauna in Guatemala. *Revista Biologia Tropical* 52:991–1000.
121. Gardner, S.A. and J.R. Mendelson III. 2004. Taxonomy and geographic variation in the Leaf-Nosed Snake *Phyllorhynchus decurtatus* (Squamata: Colubridae). *Journal of Herpetology* 38:187–196.

122. O'Neill, E.M., and J.R. Mendelson III. 2004. Taxonomy of Costa Rican toads referred to *Bufo melanochlorus* Cope, with the description of a new species. *Journal of Herpetology* 38:487–494.
123. Lips, K.R., J.R. Mendelson III, A. Muñoz–Alonso, L. Canseco–Márquez, and D.G. Mulcahy. 2004. Amphibian population declines in montane southern Mexico: resurveys of historical localities. *Biological Conservation* 119:555–564.
124. Snyder, R.J., D.P. Lawson, A.J. Zhang, Z.H. Zhang, L. Luo, W. Zhong, X.M. Huang, N.M. Czekala, M.A. Bloomsmith, D.L. Forthman, and T.L. Maple. 2004. Reproduction in giant pandas: hormones and behavior. *In* D. Lindburg and K. Baragona (Eds.) *Giant Pandas: Biology and Conservation*, 125–132. University of California Press
125. Stoinski, T.S., C. Kuhar, K.E. Lukas and T.L. Maple, T.L. 2004. Social dynamics of captive western lowland gorillas living in all-male groups. *Behaviour* 141:169–195.
126. Stoinski, T.S., K.E. Lukas, C.W. Kuhar, and T.L. Maple. 2004. Factors influencing the formation and maintenance of all–male gorilla groups in captivity. *Zoo Biology* 23:189–204.
127. Stoinski, T.S. and B.B. Beck. 2004. Changes in locomotor and foraging skills in captive-born, reintroduced golden lion tamarins (*Leontopithecus rosalia rosalia*). *American Journal of Primatology* 62:1–13.
128. Tarou, L.R., R.J. Snyder, and T.L. Maple. 2004. Spatial memory in the giant panda. *In* D. Lindburg and K. Baragona (Eds.) *Giant pandas: Biology and Conservation*, 101–105. University of California Press.
129. Lawson, D. P. 2004. Partners in saving turtles: The Turtle Survival Alliance. *Herpetological Review* 35:111.
130. Sullivan, B. K., M.A. Kwiatkowski, and G.W. Schuett. 2004. Translocation of urban gila monsters: A problematic conservation tool. *Biological Conservation* 117:235–242.
131. Taylor, E.N., and G.W. Schuett. 2004. Effect of temperature and storage duration on the stability of steroid hormones in blood samples from western diamond-backed rattlesnakes (*Crotalus atrox*). *Herpetological Review* 35:14–17.
132. Wilson, M., M. Bloomsmith, and T. Maple. 2004. Stereotypic swaying and serum cortisol concentrations in three captive African elephants (*Loxodonta africana*). *Animal Welfare*, 13: 39–43.

## 2005

133. Anderson, U., T.S. Stoinski, M.A. Bloomsmith, M.J. Marr, and T.L. Maple. 2005. Relative numerosness judgement and summation in young and old western lowland gorillas. *Journal of Comparative Psychology* 119:285–295.

134. Hoff, M.P., L.R. Tarou, C. Horton, L. Mayo, and T.L. Maple. 2005. Notes on the introduction of an 11-week old infant western lowland gorilla (*Gorilla gorilla gorilla*) to a non-lactating surrogate mother at Zoo Atlanta. *International Zoo Yearbook* 39:191–198.
135. Lock B.A., S.B. Citino, and A. Pickup. 2005. Intrahepatic portosystemic venous shunt in a neonatal roan antelope (*Hippopotragus equinus cottoni*). *Journal of Zoo and Wildlife Medicine* 36:546–549.
136. Lock B.A., and E. Jacobson. 2005. Use of an ELISA to survey exposure of wild caught boa constrictors, *Boa Constrictor*, to retroviruses isolated from boids with inclusion body disease. *Journal of Herpetological Medicine and Surgery* 15:4–8.
137. Mendelson, J.R., III. 2005. Species account: coastal–plain toad (*Bufo nebulifer*), in M. Lannoo (Eds.), *Status and Conservation of US Amphibians*. University of California Press: 424–427.
138. Mendelson, J. R., III, B.L. Williams, C.A. Sheil, and D.G. Mulcahy. 2005. Systematics of the *Bufo coccifer* complex (Anura: Bufonidae) of Mesoamerica. *Scientific Papers, Natural History Museum, University of Kansas* 38:1–27.
139. Lips, K.R., P.A. Burrowes, J.R. Mendelson III, and G. Parra–Olea. 2005. Amphibian population declines in Latin America: A Synthesis. *Biotropica* 37:222–226.
140. Lips, K.R., P.A. Burrowes, J.R. Mendelson III, and G. Parra–Olea. 2005. Amphibian declines in Latin America: Widespread population declines, extinctions and impacts. *Biotropica* 37:163–165.
141. Anderson, U., T.S. Stoinski, M.A. Bloomsmith, M.J. Marr, T.L. Maple. 2005. Aging, relative numerosness judgments and summation in western lowland gorillas. *Journal of Comparative Psychology* 119: 285–295.

## 2006

142. Poss, S., C. Kuhar, T.S. Stoinski, and B. Hopkins. 2006. Differential use of attentional and visual communicative signaling by orangutans (*Pongo pygmaeus*) and gorillas (*Gorilla gorilla*) in response to the attentional status of a human. *American Journal of Primatology* 68: 978–992.
143. Lawson, D. P. 2006. Habitat use, home range, and activity patterns of hingeback tortoises, *Kinixys erosa* and *K. homeana*, in southwestern Cameroon. *Chelonian Conservation and Biology* 5:48–56.
144. Lawson, D.P. 2006. Habitat use, home range, and movement of *Bitis gabonica* and *B. nasicornis* (Serpentes: Viperidae) in southwestern Cameroon, Africa. *Herpetology National History* 10:99–104.

145. Mulcahy, D.G., A.W. Spaulding, J.R. Mendelson III, and E.D. Brodie, Jr. 2006. Genetic diversity and systematics of a species complex of horned lizards (*Phrynosoma*), with apparent hybridization along an ecotone between the Colorado and Sonoran deserts. *Molecular Ecology* 15:1807–1826.
146. Mulcahy, D.G., B. H. Morrill, and J.R. Mendelson III. 2006. Historical biogeography of lowland species of toads (*Bufo*) across the Trans–Mexican Neovolcanic Belt and the Isthmus of Tehuantepec. *Journal of Biogeography* 33:1889–1904.
147. Frost, D.R., T. Grant, and J. R. Mendelson III. 2006. *Ollotis* Cope, 1875 is the oldest name for the genus currently referred to as *Cranopsis* Cope, 1875 (Anura: Hyloides: Bufonidae). *Copeia* 2006: 558.
148. Mallavarapu, S., T.S. Stoinski, M.A. Bloomsmith, and T.L. Maple. 2006. Postconflict behavior in Western Lowland Gorillas. *American Journal of Primatology* 68:789–801.
149. Snyder, R.J., M.A. Bloomsmith, A.J. Zhang, Z.H. Zhang, and T.L. Maple. 2006. Consequences of early rearing on socialization and social competence of the giant panda. In D.E. Wildt, A.J. Zhang, H. Zhang, D. Janssen, and S. Ellis (Eds.) *Giant pandas in captivity: biology and medicine*. 334–352. Cambridge University Press.
150. Kelling, A., R.J. Snyder, M.J. Marr, M.A. Bloomsmith, W. Gardner, and T.L. Maple. 2006. Color vision in the giant panda (*Ailuropoda melanoleuca*). *Learning and Behavior* 34:154–161.
151. Steinman, K.J., S.L. Monfort, L. McGeehan, D.C. Kersey, F. Gual–Sil, F. R.J. Snyder, P. Wang, T. Nakao, and N.M. Czekala. 2006. Endocrinology of the giant panda and application of hormone technology to species management. In D.E. Wildt, A.J. Zhang, H. Zhang, D. Janssen, and S. Ellis (Eds.) *Giant pandas in captivity: biology and medicine*. 198–230. Cambridge University Press.
152. Ellis, S., R.J. Snyder, G. Zhong, R. Wei, W. Zhong, M. Lam, and R. Sims. 2006. Life histories and behavioral traits as predictors of breeding status. In D.E. Wildt, A.J. Zhang, H. Zhang, D. Janssen, and S. Ellis (Eds.) *Giant pandas in captivity: biology and medicine*. 87–100. Cambridge University Press.
153. Kuhar, C., T.S. Stoinski, K.E. Lukas, and T.L. Maple. 2006. Gorilla behavior index revisited: Age, housing and behavior. *Applied Animal Welfare Science* 96:315–326.
154. Mendelson, J.R., III, K. R. Lips, R.W. Gagliardo, G.B. Rabb, J.P. Collins, J.E. Diffendorfer, P. Daszak, R. Ibáñez D., K.C. Zippel, D.P. Lawson, K.M. Wright, S.N. Stuart, C. Gascon, H.R. da Silva, P.A. Burrowes, R.L. Joglar, E. La Marca, S. Lötters, L.H. du Preez, C. Weldon, A.D. Hyatt, J.V. Rodriguez-Mahecha, S. Hunt, H. Robertson, B. Lock, C.J. Raxworthy, D.R. Frost, R.C. Lacy, R.A. Alford, J.A. Campbell, G. Parra-Olea, F. Bolaños, J.J. Calvo Domingo, T. Halliday, J.B. Murphy, M.H. Wake, L.A. Coloma, S.L. Kuzmin, M.S. Price, K.M. Howell, M. Lau, R. Pethiyagoda, M. Boone, M.J. Lannoo, A.R. Blaustein, A. Dobson,

R.A. Griffiths, M.L. Crump, D.B. Wake, and E.D. Brodie, Jr. 2006. Policy Forum: Confronting amphibian declines and extinctions. *Science* 313:48.

155. Lock B., J.R. Mendelson III, and R. Gagliardo. 2006. An ex situ treatment and conservation pilot study to establish assurance colonies of Panamanian anurans from sites infected with *Batrachochytrium dendrobatidis*. 2006 Proceedings Association of Reptilian and Amphibian Veterinarians 19–22.
156. Wilson, M., M. Bashaw, K. Fountain, S. Kieschnick, and T. Maple. 2006. Nocturnal behavior in a group of female African elephants. *Zoo Biology*, 15:173–186.

## 2007

157. Gascon, C., J.P. Collins, R.D. Moore, D.R. Church, J.E. McKay, and J.R. Mendelson III (Eds.). 2007. *Amphibian Conservation Action Plan*. IUCN/SSC Amphibian Specialist Group. Gland, Switzerland and Cambridge, UK. 64.
158. Vaughan, A., and J.R. Mendelson III. 2007. Taxonomy and ecology of the Central American toads of the genus *Crepidophryne* (Anura: Bufonidae). *Copeia* 2007:304–314.
159. Mendelson, J.R., III, R.W. Gagliardo, F. Andreone, K.R. Buley, L. Coloma, G. Garcia, R. Gibson, R. Lacy, M.W. Lau, J. Murphy, R. Pethiyagoda, K. Pelican, B.S. Pukazhenth, G. Rabb, J. Raffaelli, B. Weissgold, D. Wildt, and X. Feng. 2007. Captive Programs 36–37 in Gascon, C.J.P. Collins, R.D. Moore, D.R. Church, and J.E. McKay, and J.R. Mendelson III (Eds.). 2007. *Amphibian Conservation Action Plan*. IUCN/SSC Amphibian Specialist Group. Gland, Switzerland and Cambridge, UK. 64.
160. Beck, B.B., K. Walkup, M. Rodrigues, S. Uwin, D. Travis, and T.S. Stoinski. 2007. Best practice guidelines for the reintroduction of great apes. Occasional Paper of the IUCN Species Survival Commission No. 35. Gland, Switzerland: SSC Primate Specialist Group for the World Conservation Union. 48.
161. Price, E.E., and T.S. Stoinski. 2007. Group size: Determinants in the wild and implications for group housing of wild mammals in zoos. *Applied Animal Behavior Science* 103:255–264.
162. Anderson, U., T.S. Stoinski, M.A. Bloomsith, M.J. Marr, and T.L. Maple. 2007. Relative numerosness judgment and summation in young, middle-aged, and older adult orangutans. *Journal of Comparative Psychology* 121:1–11.
163. Anderson, M.J., S.J. Chapman, E.N. Videan, E. Evans, J. Fritz, T.S. Stoinski, A.F. Dixon, and P. Gagneaux. 2007. Functional evidence for differences in sperm competition in humans and chimpanzees. *American Journal of Physical Anthropology* 134:274–280.
164. Stoinski, T.S., K.E. Lukas, and M. Hutchins. 2007. Zoos and conservation: Moving beyond a piecemeal approach. In Stoinski et al. (Eds.). *Conservation in the 21<sup>st</sup> Century: Gorillas as a Case Study*. New York: Springer, 315–326.

165. Stoinski, T.S., H.D. Steklis, and P. Mehlman (Eds.). 2007. *Conservation in the 21<sup>st</sup> Century: Gorillas as a Case Study*. New York: Springer, 386.

## 2008

166. Andreone, F., A.I. Carpenter, N. Cox, L. du Preez, S. Furrer, G. Garcia, F. Glaw, J. Glos, D. Knox, J. Köhler, J.R. Mendelson III, V. Mercurio, R.A. Mittermeier, R.D. Moore, N.H. C. Rabibisoa, H. Randriamahazo, H. Randrianasolo, N.R. Raminosoa, O.R. Ramilijaona, C. J. Raxworthy, D. Vallan, M. Vences, D.R. Vieites, and C. Weldon. 2008. The Challenge of Conserving Amphibian Megadiversity in Madagascar. *PLoS Biology* 6:1–4.
167. Bustamante, M.R. and J.R. Mendelson III. 2008. A new frog species (Strabomantidae: *Pristimantis*) from the high Andes of southeastern Ecuador. *Zootaxa* 1820:49–59.
168. Frost, D. R., R.W. McDiarmid, and J.R. Mendelson III. 2008. Anura—Frogs. In B. I. Crother (Eds.), *Scientific and Standard English Names of Amphibians and Reptiles of North American North of Mexico with Comments Regarding Confidence in our Understanding*, 2–13. SSAR Herpetological Circular 37.
169. Gagliardo, R., P. Crump, E. Griffith, J.R. Mendelson III, H. Ross, and K.C. Zippel. 2008. The principles of rapid response for amphibian conservation, using the programmes in Panama as an example. *International Zoo Yearbook* 42:125–135.
170. Mendelson, J.R., III, J.M. Savage, E. Griffith, H. Ross, B. Kubicki, and R. Gagliardo. 2008. Spectacular New Gliding Species of *Ennomiohyala* (Anura: Hylidae) from Central Panama. *Journal of Herpetology* 42:750–759.
171. Lips, K.R., J. Diffendorfer, J R. Mendelson III, and M.W. Sears. 2008. Riding the wave: reconciling the roles of disease and climate change in amphibian declines. *PLoS Biology* 6:1–15.
172. Timpe, E.K., S.P. Graham, R.W. Gagliardo, R.L. Hill, and M.G. Levy. 2008. Occurrence of the fungal pathogen (*Batrachochytrium dendrobatidis*) in Georgia’s amphibian populations. *Herpetological Review* 39:447–449.
173. Rivera, S., and B. Lock. 2008. The reptilian thyroid and parathyroid glands. 2008. *Veterinary Clinics for Exotic Animals* 11:163–175.
174. Rivera, S. 2008. Health assessment of the reptilian reproductive tract. *Journal of Exotic Pet Medicine* 17:259–266.
175. Lawson, D.P., J. Ogden, and R.J. Snyder. 2008. Maximizing the contribution of science in zoos and aquariums: organizational models and perceptions. *Zoo Biology* 27:458–469.
176. Powell, D., K. Carlstead, D. Kleiman, T.S.K. Ng, J.C.L. Tang, and R.J. Snyder. 2008. Relationships between temperament, husbandry, management, and socio–sexual behavior in

captive male and female giant pandas *Ailuropoda melanoleuca*. *Acta Zoologica Sinica*, 54:169–175.

177. Kang, K.I., F.J. Torres-Velez, J. Zhang, P.A. Moore, D.P. Moore, S. Rivera and C.C. Brown. 2008. Localization of fibropapilloma-associated turtle herpesvirus in green turtles (*Chelonia mydas*) by in-situ hybridization. *Journal of Comparative Pathology* 139:218–225.
178. Donaldson, Z.R., F.A. Kondrashov, A. Putnam, Y. Bai, T.S. Stoinski, E. Hammock, and L. Young. 2008. Evolution of a behavior-linked microsatellite-containing element in the 5' flanking region of the primate *AVPR1A* gene. *BMC Evolutionary Biology* 8:180.
179. Ross, S.R., K.E. Lukas, E.V. Lonsdorf, T.S. Stoinski, B. Hare, R. Shumaker and J. Goodall. 2008. Inappropriate use and portrayal of chimpanzees. *Science* 219:1487.
180. Lock, B. 2008. Venomous snake restraint and handling. *Journal of Exotic Pet Medicine*. 17:273–284.
181. Gaalema, D.E., and D. Benboe. 2008. Positive reinforcement training of Aldabra tortoises (*Geochelone gigantea*) at Zoo Atlanta. *Herpetological Review* 39:331–334.
182. Lock, B. 2008. Venomous snake restraint and handling. *Journal of Exotic Pet Medicine* 17:273–284.

## 2009

183. Frost, D.R., R.W. McDiarmid, and J.R. Mendelson III. 2009. Response to the *Point of View* of Gregory B. Pauly, David M. Hillis, and David C. Cannatella, by the Anuran Subcommittee of the SSAR/HL/ASIH Scientific and Standard English Names List. *Herpetologica* 65:136–153.
184. Myers, D.A., M.A. Mitchell, G. Fleming, J. Mayer, B. Lock, S. Rivera, and A. Gill. 2009. Determining the value of bovine albumin as a blood cell stabilizer for pancake tortoise, *Malacochersus tornieri*, blood smears. *Journal of Herpetological Medicine and Surgery* 18:95–99.
185. Mendelson, J.R., III, J.B. Pramuk, R. Gagliardo, A. Pessier, B.B. Rothermel, K.C. Zippel, C. Bevier, M. Preest, and B. Crother. 2009. Considerations and recommendations for raising live amphibians in classrooms. *Herpetological Review* 40: 142–144.
186. Mendelson, J.R., III, and E.K. Kabay. 2009. On the Distribution and status of *Plectrohyla hazelae* (Taylor, 1940) (Amphibia: Hylidae) from Oaxaca, Mexico. *Herpetological Review* 40: 301–302.
187. Frost, D.R., J.R. Mendelson III, and J.B. Pramuk. 2009. Further notes on the nomenclature of Middle American toads (Bufonidae). *Copeia* 2009:418.



188. Charlton, B.D., Z. Zhang, and R.J. Snyder. 2009. The information content of giant panda, *Ailuropoda melanoleuca*, bleats: acoustic cues to sex, age and size. *Animal Behaviour* 78:893–898.
189. Charlton, B.D., Z. Zhang, R.J. Snyder. 2009. Vocal cues to identity and relatedness in giant pandas (*Ailuropoda melanoleuca*). *Journal of the Acoustical Society of America* 126: 2721–2732.
190. Perdue, B.M., R.J. Snyder, J. Pratte, M.J. Marr and T.L. Maple. 2009. Spatial memory recall in the giant panda (*Ailuropoda melanoleuca*). *Journal of Comparative Psychology* 123:275–279.
191. Robbins, A.M., T.S. Stoinski, K.A. Fawcett, and M.M. Robbins. 2009. Does dispersal cause reproductive delays in female Mountain Gorillas? *Behaviour* 146:525–549.
192. Robbins A.M., T.S. Stoinski. K.A. Fawcett and M.M. Robbins. 2009. Leave or conceive: natal dispersal and philopatry in female mountain gorillas in the Virunga volcano region. *Animal Behaviour* 77:831–838.
193. Robbins, A.M., T.S. Stoinski, K.A. Fawcett, and M.M. Robbins. 2009. Socioecological influences on the dispersal of female mountain gorillas—evidence for a second folivore paradox. *Behavioral Ecology and Sociobiology* 63:477–489.
194. Less, E.H., K.E. Lukas, T.S. Stoinski, and C.W. Kuhar. 2009. Behavioral response of captive western lowland gorillas (*Gorilla gorilla gorilla*) to the death of silverbacks in multi-male groups. *Zoo Biology* 28:1–14.
195. Rivera, S., J.R McClearn, and D.R Reavill. 2009. Treatment of non-epitheliotropic cutaneous B-cell lymphoma in an umbrella cockatoo (*Cacatua alba*). *Journal of Avian Medicine and Surgery* 23:294–302.
196. Rivera, S., J F.X. Wellehan, Jr., R. McManamon, C.J. Innis, M.M. Garner, B.L. Raphael, C. R. Gregory, K.S. Latimer, C.E. Rodriguez, O. Diaz-Figueroa, A.B. Marlar, A. Nyaoke, A.E. Gates, K.Gilbert, A.L. Childress, G.R. Risatti, and S. Frasca, Jr. 2009. Systemic adenovirus infection in Sulawesi tortoises (*Indotestudo forsteni*) caused by a novel siadenovirus. *Journal of Veterinary Diagnostic Investigation* 21:415–426.
197. Stoinski, T.S., S. Rosenbaum, T. Ngaboyamahina, V. Vecellio, F. Ndagijimana, and K. Fawcett. 2009. Patterns of male reproductive behaviour in multi-male groups of mountain gorillas: Examining theories of reproductive skew. *Behaviour* 146:1193–1215.
198. Stoinski, T.S., V. Vecellio, T. Ngaboyamahina, F. Ndagijimana, S. Rosenbaum, and K. Fawcett. 2009. Proximate factors influencing dispersal decisions in male mountain gorillas. *Animal Behaviour* 77:1155–1164.

199. Stoinski, T.S., S. Rosenbaum, T. Ngaboyamahina, V. Vecellio, F. Ndagijimana, and K. Fawcett. 2009. Patterns of male reproductive behavior in multi-male, multi-female groups of mountain gorillas: examining theories of reproductive skew. *Behaviour* 146:1193–1215.
200. Stoinski, T.S., B. Perdue, and A. Legg. 2009. Sexual behavior in female western lowland gorillas: preliminary evidence for sexual competition. *American Journal of Primatology* 71:1–7.
201. Wilson, M.L, R.J. Snyder, Z.H. Zhang, L. Luo, C.L. Li, and T.L. Maple. 2009. Effects of partner on play fighting behavior in giant panda cubs. *Play and Culture Studies* 9:104–123.
202. Bursey, C. R., and S. Rivera. 2009. New species of *Falcaustra* (Nematoda: Ascaridida: Kathlaniidae) in the impressed tortoise, *Manouria impressa* (Testudines: Testudinidae). *Comparative Parasitology* 76:141-148.

## 2010

203. Hill, R., J. Kaylock, E. Griffith, H. Ross, R. Gagliardo, and P. Crump. 2010. Observations on the captive reproduction of Gaige's rain frog *Pristimantis gaigeae*. *Herpetological Review* 41:465–467.
204. Gagliardo, R., E. Griffith, R. Hill, H. Ross, J.R. Mendelson III, and E. Timpe. 2010. Observations on the captive reproduction of the horned marsupial frog *Gastrotheca cornuta* (Boulenger, 1898). *Herpetological Review* 41:52–58.
205. Mendelson, J.R., III, and D.G. Mulcahy. 2010. A new species of toad (Bufonidae: *Incilius*) from central Panama. *Zootaxa* 2396:61–68.
206. Charlton, B.D., Z. Zhang, and R.J. Snyder. 2010. Giant pandas perceive and attend to formant frequency variation in male bleats. *Animal Behaviour* 79:1221–1227.
207. Kersey, D.C., D.E. Wildt, J.L. Brown, Y. Huang, R.J. Snyder, S.L. Monfort. 2010. Parallel and seasonal changes in gonadal and adrenal hormones in male giant pandas (*Ailuropoda melanoleuca*). *Journal of Mammalogy* 91:1496–1507.
208. Kersey, D.C., D.E. Wildt, J.L. Brown, R.J. Snyder, Y. Huang, S.L. Monfort. 2010. Endocrine milieu of perioestrus in the giant panda (*Ailuropoda melanoleuca*), as determined by non-invasive hormone measures. *Reproduction, Fertility and Development* 22:901–912.
209. Rosenbaum, S., J. Silk, and T.S. Stoinski. 2010. Male-Immature Relationships in multi-male groups of mountain gorillas (*Gorilla beringei beringei*). *American Journal of Primatology* 73:356–365.
210. Strier, K.B., J. Atlmann, D. Brockman, A. Bronikowski, M. Cords, L. Fedigan, H. Lapp, X. Liu, W. Morris, A. Pusey, T.S. Stoinski, and S. Alberts. 2010. The Primate Life History Database: a unique shared ecological data resource. *Methods in Ecology and Evolution* 1:199–211.

211. Kendal, R.L., D. Custance, J.R. Kendal, G. Vale, T.S. Stoinski, N.I. Rakotomalala, and H. Rasaminanana. 2010. Evidence for social learning in wild lemurs (*Lemur catta*). *Learning & Behavior* 38:220–234.
212. Charlton, B.D., J.L. Keating, L. Rengui, Y. Huang, and R.R. Swaisgood. 2010. Female giant panda (*Ailuropoda melanoleuca*) chirps advertise the caller's fertile phase. *Proceedings of the Royal Society of London B: Biological Sciences* 277:1101–1106.
213. Dindo, M., T. Stoinski and A. Whiten. 2010. Observational learning in orangutan cultural transmission trains. *Biology Letters* 7:181–183.
214. Pessier, A.P., and J. R. Mendelson III (Eds.). 2010. *A Manual for Control of Infectious Diseases in Amphibian Survival Assurance Colonies and Reintroduction Programs*. IUCN/SSC Conservation Breeding Specialist Group: Apple Valley, Minnesota, USA. 229pp.

## 2011

215. Hill, R.L., J.B. Kaylock, R.W. Gagliardo, E.K. Timpe, E. Griffith, and H. Ross. 2011. Observations on the captive reproduction of *Colostethus pratti*. 2011. *Herpetological Review* 42:365–367.
216. Hill, R.L., M.G. Levy, E.K. Timpe, and J.B. Kaylock. 2011. Additional reports of the amphibian chytrid fungus (*Batrachochytrium dendrobatidis*) from Georgia, USA. *Herpetological Review* 42:376–378.
217. Frost, D.R., R.W. McDiarmid, J.R. Mendelson III, and D.M. Green. 2011. Anura—Frogs. In B. I. Crother (Eds.), *Scientific and Standard English Names of Amphibians and Reptiles of North American North of Mexico*. SSAR Herpetological Circular Edition 6.1: [http://www.ssarherps.org/pages/comm\\_names/Index.php](http://www.ssarherps.org/pages/comm_names/Index.php)
218. Mendelson, J.R., III. 2011. Lessons of the lost. *American Scientist* 99: 438–441.
219. Mendelson, J.R., III. 2011. Shifted baselines, forensic taxonomy, and Rabbs' fringe-limbed treefrog: the changing role of biologists in an era of amphibian declines and extinctions. *Herpetological Review* 42:21–25.
220. Mendelson, J.R., III, D. G. Mulcahy, T.S. Williams, and J.W. Sites, Jr. 2011. A phylogeny and evolutionary natural history of mesoamerican toads (Anura: Bufonidae: *Incilius*) based on morphology, life history, and molecular data. *Zootaxa* 3138:1–34.
221. Mendelson, J.R., III, and R. Donnelly. 2011. *The Crisis of Global Amphibian Declines: Causes, Consequences, and Solutions*. Network for Conservation Educators and Practitioners, American Museum of Natural History. CD-ROM

222. Murphy, H.W., P. Dennis, W. Devlin, T. Meehan, I. Kutinsky. 2011. Echocardiographic parameters of captive western lowland gorillas (*Gorilla gorilla gorilla*). *Journal of Zoo and Wildlife Medicine* 42:572–579.
223. Kersey, D.C., D.E. Wildt, J.L. Brown, R.J. Snyder, Y. Huang, and S.L. Monfort. 2011. Rising fecal glucocorticoid concentrations track reproductive activity in the female giant panda (*Ailuropoda melanoleuca*). *General and Comparative Endocrinology* 173:364–370.
224. Perdue, B.M., R.J. Snyder, Z.H. Zhang, M.J. Marr, and T.L. Maple. 2011. Sex differences in spatial ability: a test of the range size hypothesis in the order Carnivora. *Biology Letters*: p.rsbl20101116.
225. Wyrwich, L., D. Benboe, J.C. Godwin, and D.J. Stevenson. 2011. *Opheodrys aestivus*. *Herpetological Review* 42:395.
226. Brosnan, S.F., T. Flemming, C. Talbot, L. Mayo, and T.S. Stoinski. 2011. Orangutans do not form expectations based on their partner's outcomes. *Folia Primatologica* 82:56–70.
227. Perdue, B., A.W. Clay, B. Gaalema, T.L. Maple, and T.S. Stoinski. 2011. Technology at the zoo: the influence of a touchscreen on orangutans and zoo visitors. *Zoo Biology* 31:27–39.
228. Morris, B.F., J. Atlmann, D.K. Brockman, M. Cords, L.M. Fedigan, A.E. Pusey, T.S. Stoinski, A.M. Bronikowski, S.C. Alberts, and K.B. Strier. 2011. Low demographic variability in wild primate populations: fitness impacts of variation, covariation, and serial correlation in vital rates. *American Naturalist* 177:E14–E28.
229. Robbins, A.M., T.S. Stoinski, K.A. Fawcett, and M.M. Robbins. 2011. Lifetime reproductive success of female mountain gorillas. *American Journal of Physical Anthropology* 146:582–593.
230. Robbins, M.M., M. Gray, K.A. Fawcett, F. Nutter, P. Uwingeli, I. Mburanumwe, E. Kagoad, A. Basabose, T.S. Stoinski, M.R. Cranfield, J. Byamukama, L.H. Spelman, A.M. Robbins. 2011. Extreme conservation leads to the recovery of the Virunga mountain gorilla. *PLoS One* 6(6), pe19788.
231. Stoinski, T.S., L. Drayton and E.E. Price. 2011. Evidence of social learning in black and white ruffed lemurs. *Biology Letters* 7:376–379.
232. Knafo, S.E., S.J. Divers, S. Rivera, L.J. Cayot, W. Tapia-Aguilera, and J. Flanagan. 2011. Sterilisation of hybrid Galapagos tortoises (*Geochelone nigra*) for island restoration. Part 1: endoscopic oophorectomy of females under ketamine-medetomidine anaesthesia. *Veterinary Record* 168:45–47. doi:10.1136/vr.d194
233. Rivera, S., S.J. Divers, S.E. Knafo, P. Martinez, L. J. Cayot, W. Tapia-Aguilera, and J. Flanagan. 2011. Sterilisation of hybrid Galapagos tortoises (*Geochelone nigra*) for island

restoration. Part 2: phallectomy of males under intrathecal anaesthesia with lidocaine. *Veterinary Record* 168:78.

234. Stoinski, T.S., L. Drayton, and H. Jaicks. 2011. Visitor effects on the behavior of captive western lowland gorillas: the importance of individual differences in examining welfare. *Zoo Biology* 31:586–99.
235. Bronikowski, A.M., J. Atlmann, D.K. Brockman, M. Cords, L.M. Fedigan, A.E. Pusey, T.S. Stoinski, B.F. Morris, K.B. Strier, and S.C. Alberts. 2011. Aging in the natural world: Comparative data reveal similar mortality patterns across primates. *Science* 331:1325.
236. Gazes, R.P., E.K. Brown, B.M. Basile, and R.R. Hampton. 2013. Automated cognitive testing of monkeys in social groups yields results comparable to individual laboratory-based testing. *Animal Cognition* 16:445–458.
237. Gazes, R.P., N.W. Chee, and R.R. Hampton, R.R. 2012. Cognitive mechanisms for transitive inference performance in rhesus monkeys: measuring the influence of associative strength and inferred order. *Journal of Experimental Psychology: Animal Behavior Processes* 38:331–345.
238. Gaalema, D.E. 2011. Visual discrimination and reversal learning in rough-necked monitor lizards (*Varanus rudicollis*). *Journal of Comparative Psychology* 125:246–249.

## 2012

239. Fenolio, D.B., J.R. Mendelson III, and W.W. Lamar. 2012. A new diagnosis and description of variation among adult *Rhinella ceratophrys* (Boulenger) (Amphibia: Bufonidae), with notes on ecology and distribution. *South American Journal of Herpetology* 7:9–15.
240. Hill, R.L., J.B. Kaylock, E. Cuthbert, E. Griffith, and H. Ross. 2012. Observations on the captive maintenance and reproduction of the cascade glass frog, *Sachatamia albomaculata*. *Herpetological Review* 43:601–604.
241. Rivera, S., J. G. Nevarez, L.K. Maxwell, and S.A. Barker. 2012. Pharmacokinetics of tetracycline after single-dose oral administration in the American alligator (*Alligator mississippiensis*). *Journal of Zoo and Wildlife Medicine* 43:858–863.
242. Kapur, F.R. Macoon, J.R. O’Neal, B. Lock, and J.R. Mendelson III. 2012. Comparison of the oral bacteria communities among five lizard species in a captive environment. *Herpetological Review* 43:260–264.
243. Murphy, H.W. 2012. Dangerous animal crisis management. *Zoo and Wild Animal Medicine Current Therapy* 7. Fowler and Miller (Eds.). Saunders Elsevier, Chapter 11 pp 78–85.
244. Mendelson, J.R., III, D.G. Mulcahy, S. Snell, M.E. Acevedo, and J.A. Campbell. 2012. A new Golden Toad (Bufonidae: *Incilius*) from northwestern Guatemala and Chiapas, Mexico. *Journal of Herpetology* 46:473–479.

245. Frost, D.R., R.W. McDiarmid, J.R. Mendelson III, and D.M. Green. 2012. Anura—Frogs. *In* B. I. Crother (Eds.), *Scientific and Standard English Names of Amphibians and Reptiles of North American North of Mexico, with Comments Regarding Confidence in our Understanding*. SSAR Herpetological Circular 39:11–22.
246. Page-Karjian, A. F. Torres, J. Zhang, S. Rivera, C. Diez, P.A Moore, D. Moore, and C. Brown. 2012. Presence of chelonid fibropapilloma-associated herpesvirus in tumored and non-tumored green turtles, as detected by polymerase chain reaction, in endemic and non-endemic aggregations, Puerto Rico. *Springer Plus* 1:35.
247. Booth, W, C.F. Smith, P. Eskridge, S.K. Hoss, J.R. Mendelson III, and G.W. Schuett. 2012. Facultative parthenogenesis discovered in wild vertebrates. *Biology Letters* doi:10.1098/rsbl.2012.0666
248. Frankham, R., J.D., Ballou, M.R. Dudash, M.D.B. Eldridge, C.B. Fenster, R.C. Lacy, J.R. Mendelson III, I.J. Porton, K.Rails, and O.A. Ryder. 2012. Implications of different species concepts for conserving biodiversity. *Biological Conservation* 153:25–31.
249. Venesky, M.D., J.R. Mendelson III, P. Stiling, B.F. Spears, and J.R. Rohr. 2012. Selecting for tolerance against pathogens and herbivores to enhance success of reintroduction and translocation. *Conservation Biology* 26:586–592.
250. Charlton, B.D, R.R. Swaisgood, Z. Zhang, R.J. Snyder. 2012. Giant pandas attend to androgen-related variation in male bleats. *Behavioral Ecology and Sociobiology* 66:969–974.
251. Snyder, R.J., B.M. Perdue, D.M. Powell, D.L. Forthman, M.A. Bloomsmith, and T.L. Maple. 2012. Behavioral and hormonal consequences of transporting giant pandas from China to the United States. *Journal of Applied Animal Welfare Science* 15:1–20.
252. Weiss, A., M.C. Gartner, K. Gold and T.S. Stoinski. 2012. Extraversion predicts longer survival in gorillas: an 18-year longitudinal study. *Proceedings of the Royal Society B* 280: 20122231. <http://dx.doi.org/10.1098/rspb/2012.2231>.
253. Flemming, T.M., O.D. Jones, L. Mayo, T.S. Stoinski, and S. Brosnan. 2012. The endowment effect in orangutans. *International Journal of Comparative Psychology* 24:285–298.
254. Salwiczek L.H, L. Pretot, L. Demarta, D. Proctor, J. Essier, A.I. Pinto S. Wismer, T.S. Stoinski, S.F. Brosnan, and R. Bshary. 2012. Adult cleaner wrasse outperform capuchin monkeys, chimpanzees and orangutans in a complex foraging task derived from cleaner-client reef fish cooperation. *PLoS One* 7.11: e49068.
255. Perdue, B., T.S. Stoinski, and T.L. Maple. 2012. Using technology to educate zoo visitors about conservation. *Visitor Studies* 15:16–27.

256. McFarlin, S., S.K. Barks, M.W. Tocheri, J.S. Massey, A.B. Eriksen, K.A. Fawcett, P.R. Hof, T.G. Bromage, A. Mudakiwka, M.R. Cranfield, T.S. Stoinski, C.C. Sherwood. 2012. Early brain growth cessation in wild Virunga mountain gorillas (*Gorilla beringei beringei*). *American Journal of Primatology* 75:450–463.
257. Langergraber, K.E. K. Prüfer, C. Rowney, C. Boesch, C. Crockford, K. Fawcett, E. Inoue, M. Muruyama, J.C. Mitani, M.N. Muller, M.M. Robbins, G. Schubert, T. Stoinski, B. Viola, D. Watts, R.M. Wittig, R.W. Wrangham, K. Zuberbühler, S. Pääbo and L. Vigilant. 2012. Generation times in wild chimpanzees and gorillas suggest earlier divergence times in great ape and human evolution. *Proceedings of the National Academy of Sciences* 109:15716–15721.
258. Hill, R.L. 2012. *Ambystoma maculatum*. *Herpetological Review* 43:95.
259. Hill, R.L., B. Lock, D. Brothers, and C. Rose. 2012. *Gastrophryne carolinensis*. *Herpetological Review* 43:613.
260. Hill, R.L. and S.C. Mitchell. 2012. *Hemidactylus turcicus*. *Herpetological Review* 43:445.
261. Hill, R. 2012. *Anolis carolinensis*. *Herpetological Review* 43:304.
262. Hill, R.L., B. Lock, D. Brothers and C. Rose. 2012. *Nerodia erythrogaster erythrogaster*. *Herpetological Review* 43:621.
263. Hill, R.L., D. Perella and R.I. Vaz. 2012. *Gyrinophilus porphyriticus*. Albinism. *Herpetological Review* 43:116–117.

## 2013

264. Bohm, M., et al. 2013. The conservation status of the world's reptiles. *Biological Conservation* 157:372–385. (100+ authors, including D.P. Lawson)
265. Brothers, D. 2013. *Anolis carolinensis*. Feeding behavior. *Herpetological Review* 44:313.
266. DeRussy, A., K. Hurst, K. Schaffer, Z. Pu, L. Green, and J.R. Mendelson III. 2013. Social behavior in the context of a limited resource in juvenile tortoises (*Manouria emys*). *Herpetological Journal* 23:171–173.
267. Searle, C.L., J.R. Mendelson III, L.E. Green, and M.A. Duffy. 2013. *Daphnia* predation on the amphibian chytrid fungus and its impacts on disease risk in tadpoles. *Ecology and Evolution* 12:4129–4138.
268. Rothermel, B.B., E.R. Travis, D.L. Miller, R.L. Hill, J.L. Gonynor McGuire, and M.J. Yabsley. 2013. High occupancy of stream salamanders despite high *Ranavirus* prevalence in a Southern Appalachians Watershed. *EcoHealth* 10:184–189.

269. Murphy, H.W. 2013. Great ape medicine and surgery. *Zoo and Wild Animal Medicine Current Therapy 8*. Fowler and Miller (Eds.). Saunders Elsevier, Chapter 38.
270. Grueter, C., M.M. Robbins, F. Ndagijimana, and T.S. Stoinski. 2013. Possible tool use in a mountain gorilla. *Behavioral Processes* 100:160–162.
271. Drayton, L., T.S. Stoinski, J. Carrigan, and S. Brosnan. 2013. Endowment effects in gorillas (*Gorilla gorilla*). *Journal of Comparative Psychology* 127:365–369.
272. Stoinski, T.S., B. Perdue, T. Breuer, and M. Hoff. 2013. Variability in the developmental life history of the genus *Gorilla*. *American Journal of Physical Anthropology* 152:165–172.
273. Stoinski, T.S., K.E. Lukas, and C.W. Kuhar. 2013. Effects of age and group type on social behavior of male western gorillas (*Gorilla gorilla gorilla*) in North American zoos. *Applied Animal Welfare Science* 147:316–323.
274. Mallaravapu, S., B. Perdue, T.S. Stoinski, T.L. Maple. 2013. Can black-and-white ruffed lemurs (*Varecia variegata*) solve object permanence tasks? *American Journal of Primatology* 75:376–386.
275. Alberts, S.C., J. Atlmann, D.K. Brockman, M. Cords, L.M. Fedigan, A.E. Pusey, T.S. Stoinski, B.F. Morris, K.B. Strier, and A.M. Bronikowski. 2013. Reproductive aging patterns in primates reveal that humans are distinct. *Proceedings of the National Academy of Sciences* 110:13440–13445.
276. Alvarez W.A., P.M. Gibbons, S. Rivera, L.L. Archer, A.L. Childress, and J.F.X. Wellehan, Jr. 2013. Development of a quantitative PCR for rapid and sensitive diagnosis of an intranuclear coccidian parasite in Testudines (TINC), and detection in the critically endangered Arakan forest turtle (*Heosemys depressa*). *Veterinary Parasitology* 193:66–70.
277. Percino-Daniel, R., M Benard-Valle, Y Garcia del Valle, and J.R. Mendelson III. 2013. Geographic Distribution: *Incilius cambelli*. *Herpetological Review* 44:103.
278. Petersen, F.F., A. De Queioz, C. R. Feldman, J. R. Mendelson III, and R. J. Feldman-Matocq. 2013. Geographic Distribution: *Trachemys scripta*. *Herpetological Review* 44:272.
279. Perdue, B.M., R.J. Snyder, M.L. Wilson, and T. Maple. 2013. Giant panda welfare in captivity. *Journal of Applied Animal Welfare Science* 14:394–395.

## 2014

280. Shave, R., D. Oxborough, J. Somauroo, Y. Feltrer, T. Strike, A. Routh, S. Chapman, S. Redrobe, L. Thompson, S. Unwin, G. Sayers, H. Murphy, G. Rapoport, E. Stöhr. 2014. Echocardiographic assessment of cardiac structure and function in great apes: a practical guide. *International Zoo Yearbook*. 48:218–233.



281. Pramuk, J.B., and J.R. Mendelson III. 2014. A New era of amphibian taxonomy. Pp 230–237. In D.R. Mader and S.J. Divers (Eds.), *Reptile Medicine and Surgery 2<sup>nd</sup> Edition*. Elsevier Saunders, St. Louis, Missouri.
282. Marvi, H., C. Gong, N. Gravish, H. Astley, R.L. Hatton, J.R. Mendelson III, H. Choset, D.L. Hu, and D.I. Goldman. 2014. Sidewinding with minimal slip: Snake and robot ascent of sandy slopes. *Science* 346:224–229.
283. Mendelson, J. R., III, M.E.B. Jones, A.P. Pessier, G. Toledo, E.H. Kabay, and J.A. Campbell. 2014. On the timing of an epidemic of amphibian chytridiomycosis in the highlands of Guatemala. *South American Journal of Herpetology* 9:151–153.
284. Svoke, J.T., R.J. Snyder, J. Elgart. 2014. Preliminary evidence for color stimuli discrimination in the Asian small-clawed otter (*Aonyx cinerea*). *Learning and Behavior* 42:176–184.
285. Caillaud, D., F. Ndagijimana, A. Giarruso, and T.S. Stoinski. 2014. Mountain gorilla ranging patterns: influence of group size and group dynamics. *American Journal of Primatology* 76:730–746.
286. Mallaravapu, S., T.S. Stoinski, B. Perdue, and T.L. Maple. 2014. Double invisible displacement understanding in orangutans: testing in non-locomotor and locomotor space. *Primates* 55:549–557.
287. Roy, J., M. Gray, T.S. Stoinski, M.M Robbins, and L. Vigilant. 2014. Fine scale genetic analysis suggests further male than female dispersal in mountain gorillas. *BMC Ecology* 2014:14–21.
288. Lips, K. R., and J. R. Mendelson III. 2014. Stopping the next amphibian apocalypse. *New York Times* (invited Op-Ed). 14 November 2014.
289. Fiorello, C.V., G.S. Rapoport, S. Rivera, T.M. Clauss, B.M. Brainard, 2014. Comparison of anesthesia with fully reversible dexmedetomidine-butorphanol-midazolam versus ketamine-midazolam in captive Asian small-clawed otters (*Aonyx cinereus*). *Journal of the American Veterinary Medicine Association* 244:107–14. doi: 10.2460/javma.244.1.107
290. Lock, B., L. Castro, M. Mitchel L. McCaskil G. Fleming, M. Stetter. 2014. Protein electrophoresis values in captive adult male Nile crocodiles (*Crocodilus niloticus*) over time. *Journal of Herpetological Medicine and Surgery* 24:20–27.
291. Karjian, A.P., S. Rivera, F.T.C. Diez, D. Moore, R. Van Dam, and C. Brown. 2014. Baseline blood values for healthy free-ranging green sea turtles (*Chelonia mydas*) in Puerto Rico. *Comparative Clinical Pathology* DOI: 10.1007/s00580-014-1947-1.
292. Gazes, R.P., O.F. Lazareva, C.N. Bergene, and R.R. Hampton. 2014. Effects of spatial training on transitive inference performance in humans and rhesus monkeys. *Journal of Experimental*

Psychology: Animal Learning and Cognition. Advance online publication.  
<http://dx.doi.org/10.1037/xan0000038>

293. Hill, R. L., and M.G. Levy. 2014. Prevalence of *Batrachochytrium dendrobatidis* in pond-breeding amphibians of the Fall Line Sandhills region of Georgia, USA. *Herpetological Review* 45:236–238.
294. Ferrie, G. M., V.C. Alford, J. Atkinson, E. Baitchman, D. Barber, W.S. Blaner, G. Crawshal, A. Daneault, E. Dierenfeld, M. Finke, G. Fleming, R. Gagliardo, E.A. Hoffman, W. Karasov, K. Klasing, E. Koutsos, J. Lankton, S.R. Lavin, A. Lentini, S. Livingston, B. Lock, T. Mason, A. McComb, C. Morris, A.P. Pessier, F. Olea-Popelka, T. Probst, C. Rodriguez, K. Schad, K. Semmen, J. Sincage, M.A. Stamper, J. Steinmetz, K. Sullivan, S. Terrell, N. Wertan, C.J. Wheaton, B. Wilson, and E.V. Valdes. 2014. Nutrition and health in amphibian husbandry. *Zoo Biology* 33:485–501.
295. Hill, R. et al. 2014. *Heloderma charlesbogerti*. Cannibalism. *Herpetological Review* 45:455.
296. Hill, R.L. 2014. *Desmognathus quadramaculatus*. Diet. *Herpetological Review* 45:300.
297. Choosy, J., R. Santymire, M.L. Wilson. 2014. Behavioral and physiological responses in felids to exhibit construction. *Zoo Biology* 33:267–274.

## 2015

298. Schachat, S.R., D.G. Mulcahy, and J.R. Mendelson III. 2015. Conservation threats and the phylogenetic utility of IUCN Red List rankings in *Incilius* toads. *Conservation Biology*: doi DOI: 10.1111/cobi.12567
299. Carillo, L., K. Johnson, and J.R. Mendelson III. 2015. Principles of program development and management for amphibian conservation captive breeding programs. *International Zoo News* 62:96–107.
300. Elgart, N. 2015. The social benefits of freezer flaps in the winter management of 0.2 African Elephants. *Animal Keepers' Forum* 42:50–51.
301. Chaohui G., C.M. Travers, H. Astley, L. Li, J. Mendelson, D. Hu, D. Goldman, and H. Choset. 2015. Kinematic gait synthesis for snake robots. *The International Journal of Robotics Research* 34:1–14.
302. Gjeltema, J., H.W. Murphy, S. Rivera. 2015. Clinical canine parvovirus type 2c infection in a group of Asian small-clawed otters (*Aonyx cinerea*). *Journal of Zoo and Wildlife Medicine* 46:120–123
303. Sharpe, S.S., S.A. Koehler, R.M. Kuckuk, M. Serrano, P.A. Vela, J.R. Mendelson III, and D.I. Goldman. 2015. Locomotor advantages of being a slender and slick sand swimmer. *Journal of Experimental Biology* 218:440–450.

304. Astley, H.C., C. Gong, M. Travers, M.M. Serrano, P.A. Vela, H. Choset, J.R. Mendelson III, D. L. Hu, and D.I. Goldman. 2015. Modulation of orthogonal body waves enables high maneuverability in sidewinding locomotion. *Proceedings of the National Academy of Sciences* 112:6200–6205 doi/10.1073/pnas.1418965112
305. Hill, R.L., J.R. Mendelson III, and J.L. Stabile. 2015. Direct observation and review of herbivory in Sirenidae (Amphibia: Caudata). *The Southeastern Naturalist* 14:N5–N9.
306. Mendelson, J.R., III, C.T. Kinsey, and J.B. Murphy. 2015. A review of the biology and literature of the Gulf Coast Toad (*Incilius nebulifer*), native to Mexico and the United States. *Zootaxa* 3974:517–537.
307. Mendelson, J.R., III, A. Eichenbaum, and J.A. Campbell. 2015. Taxonomic Review of the Populations of Large Fringe–Limbed Treefrogs (Hylidae: *Ecnomiohyla*) in Mexico and Nuclear Central America. *South American Journal of Herpetology* 10:187–194.
308. Vigilant, L., J. Roy, B. Bradley, C.J. Stoneking, M.M. Robbins, and T.S. Stoinski. 2015. Reproductive competition and inbreeding avoidance in a primate with habitual female dispersal. *Behavioral Ecology and Sociobiology* 69:1163–1172.
309. Talbot, C.F., L. Mayo, T.S. Stoinski, S.F. Brosnan. 2015. Face discrimination by orangutans (*Pongo* spp.) vary as a function of familiarity. *Evolutionary Psychological Science*, 1:172–182.
310. Wright, E., C.C. Grueter, N. Seiler, D. Abavandimwe, T.S. Stoinski, S. Ortman, M.M. Robbins. 2015. Energetic responses to variation in food availability in the two mountain gorilla populations (*Gorilla beringei beringei*). *American Journal of Physical Anthropology* 158:487–500.
311. Gazes R.P, R.R. Hampton, and S.F. Lourenco. 2015 Transitive inference of social dominance by human infants. *Developmental science*. doi:10.1111/desc.12367
312. Barks, S.K., M.E. Calhoun, W.D. Hopkins, M.R. Cranfield, A. Mudakikwa, T.S. Stoinski, F.G. Patterson, J.M. Erwin, E.E. Hecht, P. Hof and C.C. Sherwood. 2015. Brain organization of Gorillas reflects species differences in ecology. *American Journal of Physical Anthropology* 156:252–262.
313. Lock, B., and A. Bennett. 2015. Changes in plasma testosterone and aggressive behavior in male green iguanas (*Iguana iguana*) following orchidectomy. *Journal of Herpetological Medicine and Surgery* 25:107–115.
314. Mitchell, J. C., J. R. Mendelson III, and M. M. Stewart. 2015. Historical perspectives: George Bernard Rabb. *Copeia* 2015:1086–1092.

315. Grant, E. H. C., E. Muths, R. A. Katz, S. Canessa, M. J. Adams, J. R. Ballard, L. Berger, C. J. Briggs, J. Coleman, M. J. Gray, M. C. Harris, R. N. Harris, B. Hossack, K. P. Huyvaert, J. Kolby, K. R. Lips, R. E. Lovich, H. I. McCallum, J. R. Mendelson III, P. Nanjappa, D. H. Olsen, J. G. Powers, K. L. D. Richgels, R. E. Russell, B. R. Schmidt, A. Spitzen-van der Sluijs, M. K. Watry, D. C. Woodhams, and C. L. White. 2015. Salamander chytrid fungus (*Batrachochytrium salamandrivorans*) in the United States—Developing research, monitoring, and management strategies: U.S. Geological Survey Open-File Report 2015–1233, 16 p., <http://dx.doi.org/10.3133/ofr20151233>.
316. Mendelson, J. R., III, and R. Altig. 2016. Tadpoles, froglets, and conservation: A discussion of basic principles of rearing and release procedures. *Amphibian and Reptile Conservation* 10: 20–27 (e116).
317. Kersey, D. C., C. Aitken-Palmer, S. Rivera, E.L. Willis, L.Y. Liang, and R.J. Snyder. 2016. The birth of a giant panda: Tracking the biological factors that successfully contribute to conception through to postnatal development. *Theriogenology* 85:671–677.
318. Mendelson, J. R., III, M. V. L. Barclay, M. Geiser, and J. W. Streicher. 2016. The taxonomic status of *Bufo intermedius* Günther, 1858: Forensic entomology confirms what was long suspected from morphology. *Copeia* 2016:697–701. DOI: <http://dx.doi.org/10.1643/CH-16-422>
319. Hyde, E.R., J.A. Navas-Molina, S.J. Song, G. Ackermann, C. Cardona, G. Humphrey, D. Boyer, T. Weaver, J.R. Mendelson III, V.J. McKenzie, J.A. Gilbert, and R. Knight. 2016. The oral and skin microbiomes of captive Komodo dragons are significantly shared with their habitat. *mSystems*: doi: 10.1128/mSystems.00046-16.
320. Diamond, R.F., T.S. Stoinski, J.L. Mickelberg, B. M. Basile, R. P Gazes, V. L. Templer, and R.R. Hampton. 2016. Similar stimulus features control visual classification in orangutans and Rhesus Monkeys. *Journal of the Experimental Analysis of Behavior* 105:100–110.
321. Page-Karjian, A., S. Rivera, F. Torres, C. Diez, D. Moore, R. Van Dam, and C. Brown. 2015. Baseline blood values for healthy free-ranging green sea turtles (*Chelonia mydas*) in Puerto Rico. *Comparative Clinical Pathology* 24:567–573.
322. Wines, M., V. Johnson, B. Lock, F. Antonio, J. Godwin, E. Rush, and C. Guyer. 2015. Optimal husbandry of hatchling eastern indigo snakes (*Drymarchon couperi*) during a captive head-start program. *Zoo Biology* 34:230-238.
323. Wyrwich, L., R. Hill, and B. Lock. 2015. Captive husbandry of the Arakan forest turtle (*Heosemys depressa*) and its implications for conservation. *Herpetological Review* 46:49.
324. Rivera, S., M. M. Crane, R. McManamon, and C. R. Gregory 2015. Surgical treatment of pulmonary melanophoroma in a beaded lizard (*heloderma horridum exasperatum*). *Journal of Zoo and Wildlife Medicine* 46:397–399.

325. Wilson, M.L., B.M. Perdue, M.A. Bloomsmith, and T. Maple. 2015. Rates of reinforcement and measures of compliance in free and protected contact elephant management systems. *Zoo Biology* 34:431–437.

## 2016

326. Mendelson, J. R., III, and R. Altig. 2016. Tadpoles, froglets, and conservation: a discussion of basic principles of rearing and release procedures. *Amphibian and Reptile Conservation* 10: 20–27 (e116).
327. Mendelson, J.R., III, M.V.L. Barclay, M. Geiser, and J.W. Streicher. 2016. The taxonomic status of *Bufo intermedius* Günther, 1858: Forensic entomology confirms what was long suspected from morphology. *Copeia* 2016:697–701. DOI: <http://dx.doi.org/10.1643/CH-16-422>
328. Mendelson, J.R., III. 2016. A frog dies in Atlanta, and a world vanishes with it. *New York Times* (invited Op-Ed). 10 October 2016. [http://www.nytimes.com/2016/10/10/opinion/a-frog-dies-in-atlanta-and-a-world-vanishes-with-it.html?action=click&pgtype=Homepage&version=Mothers-Visible&moduleDetail=inside-nyt-region-1&module=inside-nyt-region&region=inside-nyt-region&WT.nav=inside-nyt-region&\\_r=0](http://www.nytimes.com/2016/10/10/opinion/a-frog-dies-in-atlanta-and-a-world-vanishes-with-it.html?action=click&pgtype=Homepage&version=Mothers-Visible&moduleDetail=inside-nyt-region-1&module=inside-nyt-region&region=inside-nyt-region&WT.nav=inside-nyt-region&_r=0)
329. Hill, R. 2016. *Cheyladra serpentina*. *Herpetological Review* 47:79.
330. Hill, R. 2016. *Coluber constrictor*. *Herpetological Review* 47:83.
332. Kersey, D. C., C. Aitken-Palmer, S. Rivera, E. L. Willis. L. L. Liang, and R. J. Snyder. 2016. The birth of a Giant Panda: tracking the biological factors that successfully contribute to conception through to postnatal development. *Theriogenology* 85: 671–677.

## 2017

333. Grant, E. H. C., E. Muths, R. A. Katz, S. Canessa, M. J. Adams, J. R. Ballard, L. Berger, C. J. Briggs, J. Coleman, M. J. Gray, M. C. Harris, R. N. Harris, B. Hossack, K. P. Huyvaert, J. Kolby, K. R. Lips, R. E. Lovich, H. I. McCallum, J. R. Mendelson III, P. Nanjappa, D. H. Olsen, J. G. Powers, K. L. D. Richgels, R. E. Russell, B. R. Schmidt, A. Spitzen-van der Sluijs, M. K. Watry, D. C. Woodhams, and C. L. White. 2017. Using decision analysis to support proactive management of emerging infectious diseases in wildlife. *Frontiers in Ecology and the Environment* 15: doi:10.1002/fee.1481
334. Astley, H. C., V. E. Astley, D. Brothers, and J. R. Mendelson III. 2017. Digital analysis of photographs for snake-length measurement. *Herpetological Review* 48:39–43.
335. Mendelson, J. R., III. 2017. Working Life: The call of the wild. *Science* 357:326. DOI: 10.1126/science.357.6348.326
336. McKenzie, V.J., S. Song, F. Delsuc, T.L Prest, A.M. Olivero, T.M. Korpita, A. Alexiev, K.R. Amato, J.L. Metcalf, M. Kowalewski, N.L Avenan, A. Link, T. Di Fiore, A. Sequin-

- Orlando, C. Feh, L. Orlando, J.R. Mendelson III, J. Sanders, and R. Knight. 2017. The effects of captivity on the mammalian gut microbiome. *Integrative and Comparative Biology* doi:10.1093/icb/ix090.
337. Frost, D. R., E. Moriarity Lemmon, R. W. McDiarmid, and J. R. Mendelson III. 2017. Anura—Frogs. *In* B. I. Crother (ed.), *Scientific and Standard English Names of Amphibians and Reptiles of North American North of Mexico*, 8<sup>th</sup> Edition. SSAR Herpetological Circular 43: 6–24.
338. Pessier, A.P., and J.R. Mendelson III (Eds.). 2017. *A Manual for Control of Infectious Diseases in Amphibian Survival Assurance Colonies and Reintroduction Programs, Ver. 2.0*. IUCN/SSC Conservation Breeding Specialist Group: Apple Valley, Minnesota, USA. 283pp.
331. Thompson, L. R, et al. plus 41 authors and Earth Microbiome Consortium (incl. J. R. Mendelson III). 2017. A communal catalogue reveals Earth’s multiscale microbial diversity. *Nature* 551: 457–463 + Supporting Online Materials. doi:10.1038/nature24621 (*Research News & Views*: Raes, 2017 doi:10.1038/nature24756)
341. Page-Karjian, A., M. Hahne, K. Leach, H. Murphy, B. Lock, and S. Rivera. 2017. Neoplasia in snakes at Zoo Atlanta during 1992–2012. *Journal of Zoo and Wildlife Medicine* 48: 521–524
- 2018**
342. Chau, L.M., A.M. Groh, E.C. Anderson, M.O. Alcala, J.R. Mendelson III, S.B. Slade, K. Kerns, S. Sarro, C. Lusardi, and M.A.D. Goodisman. 2018. Genetic diversity and sex ratio of naked mole rat, *Heterocephalus glaber*, zoo populations. *Zoo Biology* 2018:1–12. DOI: 10.1002/zoo.21417
343. Perdue, B.M. and E.R. Brown. 2018. Irrational choice in human and nonhuman primates. *Animal Cognition*: <https://doi.org/10.1007/s10071-017-1156-9>
344. Murphy, H.W., and M.D. Danforth. 2018. Update on the Great Ape Heart Project. Pp. 581–587 *In*: E. Miller, N. Lamberski, and P.P. Calle (Eds.), *Fowler's Zoo and Wild Animal Medicine Current Therapy, Vol. 9*, Elsevier Press.
345. Murphy, H.W., M.D. Danforth, and V.L. Clyde. 2018. The Great Ape Heart Project. *International Zoo Yearbook* 52:1–10. doi:10.1111/izy.12180
346. Mendelson, J. R., III. 2018. Frogs in glass boxes: responses of zoos to global amphibian extinctions. Pp. 298–310, *In*: B. Minter and J.P. Collins (Eds.) *The Ark and Beyond: The Evolution of Zoo and Aquarium Conservation*. University of Chicago Press. ISBN-13:978-0226538464
347. Hill, R.L., K.G. Martin, E. Stanley, and J.R. Mendelson III. 2018. A taxonomic review of the genus *Hemiphractus* (Anura: Hemiphractidae) in Panama: description of two new

species, resurrection of *Hemiphractus panamensis* (Stejneger, 1917), and discussion of *Hemiphractus fasciatus* Peters, 1862. *Zootaxa* 4429: 495–512.  
<https://doi.org/10.11646/zootaxa.4429.3.3>

348. Anon. *Batrachochytrium salamandivorans* (Bsal) Rapid Response Template (ver. 8 June 2018). US Geological Survey National Bsal Task Force  
<http://www.salamanderfungus.org/task-force/#78e85c5ac0bcb0f25> [J. R. Mendelson III, co-author]
349. Hill, R.L., S. Huskisson, E. Weigel, and J.R. Mendelson III. 2018. Growth rates of juvenile *Boa constrictor* under two feeding regimes. *Zoo Biology* 2018:1–5.  
<https://doi.org/10.1002/zoo.21460>
350. Waugh, L., S. Lyon, G.A. Cole, J. D'Agostino, J. Cross, M. Strong-Townsend, M. Yerramilli, J. Li, A. Rakitin, S. Hardy, and J. Brandão. 2018. Retrospective analysis and validation of serum symmetric dimethylarginine (sdma) concentrations in cheetahs (*Acinonyx jubatus*). *Journal of Zoo and Wildlife Medicine* 49:623–631.