
KRISTEN E. LUKAS

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WORK: Cleveland Metroparks Zoo, 3900 Wildlife Way, Cleveland, OH 44109

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CURRENT PROFESSIONAL STATUS:

Curator of Conservation and Science, Cleveland Metroparks Zoo, Cleveland, OH

- Advance the role of scientific research in local, national, and international field conservation programs initiated or supported by the zoo
- Advance the role of scientific research in zoo animal management by designing research and behavior management programs, systematizing record keeping, conducting research, and directing keeper research
- Collaborate with local and national universities by mentoring and facilitating undergraduate and graduate students conducting *in situ* and *ex situ* research
- Administer conservation granting programs and oversee field conservation programs initiated by curatorial staff and zookeepers
- Disseminate information generated by zoo scientists at professional meetings and in peer-reviewed publications
- As a member of the zoo's Senior Animal Management Committee, develop and implement animal department programs, policies, and procedures

Additional Appointments and Responsibilities:

- Adjunct Assistant Professor, Department of Biology, Case Western Reserve University, Cleveland, OH
- Adjunct Assistant Professor, Department of Anthropology, Kent State University, Kent, OH
- Secretary, Ape Taxon Advisory Group (TAG), American Zoo and Aquarium Association (AZA)
- Gorilla Behavior Advisor, Gorilla SSP[®], AZA
- Steering Committee, Bushmeat Crisis Task Force, AZA
- Institutional Representative, Butterfly Conservation Initiative, AZA
- *Ad hoc* editor: Zoo Biology, International Journal of Primatology, American Society of Primatologists' Book Series

WORK EXPERIENCE:

2002-present	Curator of Conservation and Science, Cleveland Metroparks Zoo Cleveland, OH
1998-2002	Curator of Primates, Lincoln Park Zoo, Chicago, IL
1993-1998	Senior Research Associate, Zoo Atlanta, Atlanta, GA
1997	Instructor, Georgia Institute of Technology, Atlanta, GA
1996-1997	Instructor, Morehouse College, Atlanta, GA
1994-1997	Teaching Assistant, Georgia Institute of Technology, Atlanta, GA

EDUCATION:

- Ph.D. Experimental Psychology, Georgia Institute of Technology, Atlanta, GA 1999
Dissertation topic: *The role of feeding motivation and individual differences in the development and maintenance of regurgitation and reingestion (R/R) in captive lowland gorillas.*
- M.S. Experimental Psychology, Georgia Institute of Technology, Atlanta, GA 1995
Thesis topic: *The effects of alternating habitats on gorilla behavior.*
- B.A. Psychology, Bowling Green State University, Bowling Green, OH 1992
Senior thesis topic: *A behavioral evaluation of the introduction of an adult male gorilla to three female gorillas at the Toledo Zoo.*

TEACHING EXPERIENCE:

Zoo Biology and Management (Kent State University, Kent, OH)
Animal Behavior (Barat College, Lake Forest, IL)
Introduction to Psychology as a Natural Science (Morehouse College, Atlanta, GA)
Field Course in Animal Behavior - Kenya (Georgia Institute of Technology, Atlanta, GA)
Learning and Behavior (Georgia Institute of Technology, Atlanta, GA)
Introduction to Psychology (Georgia Institute of Technology, Atlanta, GA)
Comparative Psychology (Georgia Institute of Technology, Atlanta, GA)

CURRENT RESEARCH TOPICS:

- Effect of designed environment on gorilla and chimpanzee behavior
- Multi-institutional study of gorillas housed in all-male gorilla groups
- Butterfly and wildflower monitoring at Cleveland Metroparks Brookside Reservation
- Behavior of fossa (*Cryptoprocta ferox*) at Cleveland Metroparks Zoo
- Behavior of visitors to the Lester E. Fisher Great Ape House at Lincoln Park Zoo
- Impact of changing environments on four species of primates at Lincoln Park Zoo
- Characteristics of ape facilities at Midwestern zoos
- Longitudinal studies of primate behavior and exhibit use
- Analyzing abnormal behavior in a young adult male zebra, African elephants, otters, and polar bears

FELLOWSHIPS, GRANTS, AWARDS, AND HONORS:

- 2005** **Institute of Museum and Library Services: Museums for America**
Received three-year grant for local conservation program development, African Conservation Initiative, and conduct conservation program awareness assessment (Lukas, Parr, & Fowler)
Amount awarded: \$147,575
- 2004** **The George Gund Foundation**
Received two-year grant for conservation program development, member survey, and lecture series (Lukas, Parr, & Fowler)
Amount awarded: \$90,500
- 2003** **The George Gund Foundation**
As part of AZA's Butterfly Conservation Initiative, received two-year grant for development of a traveling butterfly education exhibit (Lukas, Parr, & Kmiecik)
Amount awarded: \$4,500

- 2003** **Cleveland Magazine**
Recognized as one of Cleveland's 30 "Most Interesting People" by Cleveland Magazine for the year 2003. Honorees were profiled in the 30th Anniversary edition of the magazine. Cleveland, Ohio.
- 2002** **Conservation Endowment Fund, American Zoo and Aquarium Association**
A multi-institutional study of male gorillas in a variety of social contexts (Stoinski & Lukas);
Amount awarded: \$25,827
- 2001** **Institute of Museum and Library Services**
Multi-institutional study of captive all-male gorilla groups to be administered by Zoo Atlanta (Stoinski & Lukas)
Amount awarded: \$52,638
- 2000** **Cleveland Metroparks Zoo Conservation and Research Small Grants Program**
The initiation of a multi-institutional study of captive all-male gorilla groups (Stoinski & Lukas)
Amount awarded: \$1150
- 1999** **Chicago Sun-Times**
Profiled as one of thirty people under the age of thirty ("Thirty under thirty") in the city of Chicago making significant contributions in the area of public service. Chicago, Illinois
- 1999** **AZA Board of Regents**
2nd Annual Recipient of the Robert O. Wagner Professional Development Award, AZA Board of Regents Schools. Wheeling, West Virginia
- 1998** **Psychology Department, Georgia Institute of Technology**
1st Annual Recipient of the Michael York Graduate Student Award. Atlanta, Georgia
- 1998** **Conservation and Science Fellowship, Lincoln Park Zoo**
Recipient of a Dr. Scholl's Graduate Science Fellowship. Chicago, Illinois
Amount awarded: \$5,000
- 1992** **Psi Chi (National Honor Society in Psychology)**
Bowling Green State University
Bowling Green, Ohio

PROFESSIONAL ORGANIZATION MEMBERSHIPS:

American Society of Primatologists (Program Committee 2001-2002)
American Zoo and Aquarium Association (Professional Fellow)
Animal Behavior Society
International Society of Primatologists

PROFESSIONAL DEVELOPMENT:

Professional Management Development for Zoo and Aquarium Personnel, Years I - II.

Continuing and Professional Education Division of Continuing Studies, North Carolina State University and American Zoo and Aquarium Association, Oglebay Park, Wheeling, West Virginia; February 1999 and 2000.

PRESENTATIONS:

Behavioral Profiles of Captive Gorillas and their Utility as a Management Tool. Gold, K.C., Lukas, K., and Maple, T.L. Central Regional Conference of the Association of American Zoos and Aquariums, Oklahoma City, Oklahoma; March 1994.

Rotating Gorilla Troops through Multiple Exhibits at Zoo Atlanta's Ford African Rainforest: A Behavioral Evaluation. Lukas, K.E., Hoff, M.P., and Maple, T.L. Annual Conference of the Association of American Zoos and Aquariums, Seattle, Washington; September 1995.

Spatial Analysis in a Zoo Setting: The Effects of Alternating Habitats on Gorilla Behavior. Lukas, K.E., Hoff, M.P., and Maple, T.L. International Conference of the Spatial Analysis in Environment-Behaviour Studies, Eindhoven, The Netherlands; November 1995.

Behavior Analysis Goes to the Zoo, or a Fable of Llamas, Donkeys, Goats, Pigs, Hornbills, and Three Big Elephants. Lukas, K.E., Marr, M.J., and Sorensen, M. 22nd Annual Convention of the Association for Behavior Analysis, San Francisco, California; May 1996.

The Formation of an All-Male Gorilla Group at Zoo Atlanta. Lukas, K.E., Stoinski, T.S., and Maple, T.L. The Great Ape Interest Group Workshop, XVIth Congress of the International Primatological Society and XIXth Conference of the American Society of Primatologists, Madison, Wisconsin; August, 1996.

The Effects of Alternating Habitats on Gorilla Behavior. Lukas, K.E., Hoff, M.P., and Maple, T.L. The National Zoo Summer Lecture Series, Washington, D.C.; August 1996.

An All-Male Gorilla Group at Zoo Atlanta. Lukas, K.E., Stoinski, T.S., and Maple, T.L. Society for Literature and Science, Atlanta, Georgia; October 1996.

Gorilla Behavior. Lukas, K.E. Georgia State University's Anthropological Society, Atlanta, Georgia; November 1996.

All-Male Gorilla Groups: Planning for the Future. Lukas, K.E., Stoinski, T.S., and Maple, T.L. The 1997 International Gorilla Workshop, Pittsburgh, Pennsylvania; April 1997.

A Preliminary Analysis of R/R in Gorillas at Zoo Atlanta. Lukas, K.E., Hoff, M.P., Stoinski, T.S., and Maple, T.L. The 1997 International Gorilla Workshop, Pittsburgh, Pennsylvania; April 1997.

Comparative Psychology and Primate Conservation: The Synergistic Relationship between the Zoo and University. Lukas, K.E., and Maple, T.L. Central Regional Conference of the Association of American Zoos and Aquariums, Cleveland, Ohio; May 1997.

The Lone Behaviorist: Methods for Teaching Behaviorism in a Predominantly Cognitive Psychology Department. Lukas, K.E., Marr, M.J., and Maple, T.L. 23rd Annual Convention of the Association for Behavior Analysis, Chicago, Illinois; May 1997.

Rumination Syndrome in Captive Gorillas. Lukas, K.E., and Maple, T.L. 24th Annual Convention of the Association for Behavior Analysis, Orlando, Florida; May 1998.

Animal Training in a Zoo Setting. Lukas, K.E. 24th Annual Convention of the Association for Behavior Analysis, Orlando, Florida; May 1998.

Activity Budgets of Wild-Born Black and White Ruffed Lemurs at Zoo Atlanta and Tulsa Zoo. Lukas, K., Kurkowski, D., Jones, M., Stoinski, T., Forbes, S., Bettinger, T., & Maple, T. Conservation Research Consortium, Riverbanks Zoo, Columbia, South Carolina; June 1998.

The Use of Primates in Zoo Atlanta's Education Program. Lukas, K., Safran, S., and Bexell, S. 21st Annual Meeting of the American Society of Primatologists, Comprehensive Workshop for Teachers, Georgetown, Texas; June 1998.

Behavioral Effects of Removing Milk from the Gorilla (*Gorilla gorilla gorilla*) Diet at Zoo Atlanta. Lukas, K.E., Hamor, G., Bloomsmith, M.A., Horton, C.L., and Maple, T.L. 21st Annual Meeting of The American Society of Primatologists, Georgetown, Texas; June 1998.

Female Relationships in Captive Lowland Gorillas. Stoinski, T.S., Lukas, K.E., and Maple, T.L. XVIIth Congress of the International Primatological Society, Antananarivo, Madagascar; August 1998.

Teaching Animal Behavior in Africa: Georgia Institute of Technology and Zoo Atlanta's Field Study in Animal Behavior. Stoinski, T.S., Lukas, K.E., and Maple, T.L. Annual Conference of the Association of American Zoos and Aquariums, Tulsa, Oklahoma; September 1998.

Primate Behavior. Lukas, K.E. Invited chair and discussant for conference session. Central States Anthropological Society, Chicago, Illinois; April 1999.

Challenges of Establishing a Primate Training Program at Lincoln Park Zoo. Lukas, K.E. 25th Annual Convention of the Association for Behavior Analysis, Orlando, Florida; May 1999.

The Impact of Hay Provision on Gorilla Nest-building at Zoo Atlanta. Lukas, K.E., Stoinski, T.S., Snyder, R., Bexell, S., Burks, K., & Maple, T.L. 22nd Annual Meeting of the American Society of Primatologists, New Orleans, Louisiana; August 1999.

A Behavioral Comparison of Two All-male Gorilla Groups. Stoinski, T.S., Hoff, M.P., Lukas, K.E., & Maple, T.L. The Apes: Challenges for the 21st Century (International Conference on Great Apes). Naperville, IL; May 2000.

Behavioral Analysis of a Blackback Gorillas (*Gorilla gorilla gorilla*) in a Multi-Female Social Group. Lucas, A., & Lukas, K. The Apes: Challenges for the 21st Century (International Conference on Great Apes). Naperville, IL; May 2000.

Maternal Behavior and Group Cohesion following a Gorilla Introduction. Crosby, J., & Lukas, K. The Apes: Challenges for the 21st Century (International Conference on Great Apes). Naperville, IL; May 2000.

Integrating Two Gorilla Groups at Lincoln Park Zoo: A Behavioral Evaluation. Lukas, K., Noe, B., Limestall, C., & Fitzgerald, R. The Apes: Challenges for the 21st Century (International Conference on Great Apes). Naperville, IL; May 2000.

An Inter-Institutional Study of Individual and Nutritional Factors Associated with Regurgitation and Reingestion in Captive Gorillas. Lukas, K., Forthman, D., Bloomsmith, M., Marr, M.J.,

Blanchard-Fields, F., & Maple, T.L. The Apes: Challenges for the 21st Century (International Conference on Great Apes). Naperville, IL; May 2000.

Conducting a Post-Occupancy Evaluation as Part of the Design Process for a New Great Ape Facility. Ross, S.K., & Lukas, K.E. The Apes: Challenges for the 21st Century (International Conference on Great Apes). Naperville, IL; May 2000.

Assessing the Effect of Visitor Presence on Reproductive Behavior in Gibbons (*Hylobates leucogenys*) at Lincoln Park Zoo. Lukas, K.E., Maher, S.A., Jacobs, B.A., & Henderson, A.J. 23rd Annual Meeting of the American Society of Primatologists, Boulder, Colorado; July 2000.

Urinary Cortisol and Testosterone in Male Gorillas (*Gorilla g. gorilla*) Housed in Heterosexual and All-male Groups. Stoinski, T.S., Czekala, N., Lukas, K.E., & Maple, T.L. 23rd Annual Meeting of the American Society of Primatologists, Boulder, Colorado; July 2000.

Design Elements of Successful Great Ape Exhibits. Lukas, K.E., & Ross, S.K. Annual Conference of the Association of American Zoos and Aquariums, Lake Buena Vista, Florida; September 2000.

Increasing Gorillas' Use of Space by Alternating Groups between Zoo Exhibits. Lukas, K.E., Hoff, M.P., and Maple, T.L. 24th Annual Meeting of the American Society of Primatologists, Savannah, Georgia; August 2001.

Maternal Scaffolding of Offspring Behavior in Western Lowland Gorillas (*Gorilla gorilla gorilla*). Ross, S.K., Barger, N., Ganas, J., Lukas, K.E., Nichols, C., Megna, N., Stoinski, T., & Maestripieri, D. 24th Annual Meeting of the American Society of Primatologists, Savannah, Georgia; August 2001.

Exhibit Use by Great Apes as Part of a Post-Occupancy Evaluation. Ross, S.K., & Lukas, S.K. 24th Annual Meeting of the American Society of Primatologists, Savannah, Georgia; August, 2001.

The Role of Keepers in Behavioral Research Projects: The Curators' Perspective. Lukas, K.E., Gramieri, J., Reinertsen, M., & Rosenthal, M. Annual Conference of the Association of American Zoos and Aquariums, St. Louis, Missouri; September 2001.

The Bushmeat Crisis Task Force: An International Collaboration to Address a Leading Conservation Crisis in Africa. Lukas, K.E., American Zoo and Aquarium Association Primate Taxon Advisory Group Meetings, Oklahoma City Zoo; June 2002.

Understanding Increased Aggression in a Silverback Gorilla at Lincoln Park Zoo: Challenging Zookeeper Hypotheses. Lukas, K.E., & Thompson, S.D. 25th Annual Meeting of the American Society of Primatologists, Oklahoma City, Oklahoma; June 2002.

Social Addition and Subtraction in a Captive Chimpanzee Group. Ross, S.R., & Lukas, K.E. 25th Annual Meeting of the American Society of Primatologists, Oklahoma City, Oklahoma; June 2002.

The Contribution of AZA Institutions to *In Situ* Conservation: Gorillas as a Case Study. Stoinski, T.S. & Lukas, K.E. Annual Conference of the Association of American Zoos and Aquariums, Fort Worth, Texas; September 2002.

Research and Conservation of Gorillas. Lukas, K.E. 1st Annual Regional Gorilla Workshop; Cleveland, Ohio; October 2002.

Psychological Science in the Zoo. Lukas, K.E. 15th Annual Convention of the American Psychological Society; Atlanta, Georgia; May 2003.

Gorilla Behavior Index: A tool for management of all-male western lowland gorilla (*Gorilla g. gorilla*) groups? Kuhar, C.W., Stoinski, T.S., Lukas, K.E., & Maple, T.L. 26th Annual Meeting of the American Society of Primatologists, Calgary, Alberta; July 2003

Practically Speaking: What is the Role of Research in Animal Management? Lukas, K.E. Annual Conference of the Association of American Zoos and Aquariums, Columbus, Ohio; September 2003.

Ape Puke to Zebra Stress: How Science Works for the Zoo. Lukas, K.E. Invited Keynote Address, Women in Science and Technology Career Workshop, Cuyahoga Community College, Parma, Ohio; January, 2004.

Social Dynamics of Captive Male Western Lowland Gorillas Living in All-Male Groups (Poster). Stoinski, T., Kuhar, C., Lukas, K., & Maple, T.L. 1st Annual Meeting of the Midwest Primate Interest Group, Urbana-Champaign, Illinois; October, 2004.

Male Gorillas in the Gorilla SSP and Ape TAG Update. Stoinski, T., & Lukas, K.E. 4th Annual Regional Gorilla Workshop, Cincinnati, Ohio; November, 2005.

From A to Z: How Science Works for the Zoo. Lukas, K.E. Invited speaker, 17th Annual Howard Hughes Lecture for Junior and Senior High School Students, Case Western Reserve University, Cleveland, Ohio; November, 2005.

PUBLICATIONS:

Gold, K.C., Lukas, K., and Maple, T.L. (1994). Behavioral profiles of captive gorillas and their utility as a management tool. American Zoo and Aquarium Association (AZA) Regional Conference Proceedings (pp. 31-35). Wheeling, West Virginia: AZA.

Lukas, K.E., Hoff, M.P., and Maple, T.L. (1995). Rotating gorilla troops through multiple exhibits at Zoo Atlanta's Ford African Rainforest: A behavioral evaluation. American Zoo and Aquarium Association (AZA) Annual Conference Proceedings (pp. 352-354). Wheeling, West Virginia: AZA.

Salthouse, T.A., Hambrick, D.Z., Lukas, K.E., and Dell, T.C. (1996). Determinants of adult age differences on synthetic work performance. Journal of Experimental Psychology: Applied, 2(4), 305-329.

Hoff, M.P., Powell, D.M., Lukas, K.E., and Maple, T.L. (1997). Individual and social behavior of lowland gorillas in outdoor exhibits compared with indoor holding areas. Applied Animal Behaviour Science, 54, 359-370.

- Lukas, K.E., and Maple, T.L. (1997). Comparative psychology and primate conservation: The synergistic relationship between the zoo and university. American Zoo and Aquarium Association (AZA) Regional Conference Proceedings (pp. 537-543). Wheeling, West Virginia: AZA.
- Lukas, K.E., Hamor, G., Bloomsmith, M.A., Horton, C.L., and Maple, T.L. (1998). Behavioral effects of removing milk from the gorilla (*Gorilla gorilla gorilla*) diet at Zoo Atlanta. American Journal of Primatology, 45(2), 193.
- Lukas, K.E., Marr, M.J., and Maple, T.L. (1998). Teaching operant conditioning at the zoo. Teaching of Psychology, 25(2), 112-116.
- Stoinski, T.S., Lukas, K.E., and Maple, T.L. (1998). A survey of research in North American zoos and aquariums. Zoo Biology, 17, 167-180.
- 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 Behaviour Science, 63(3), 237-249.
- Lukas, K.E. (1999). From food to fitness. [Review of the book Foraging for Survival]. Zoo Biology, 18(4), 355-357.
- Lukas, K.E., Hamor, G., Bloomsmith, M.A., Horton, C.L., and Maple, T.L. (1999). Removing milk from captive gorilla diets: The impact on regurgitation and reingestion (R/R) and other behaviors. Zoo Biology, 18, 515-528.
- Lukas, K.E., Maher, S.A., Jacobs, B.A., and Henderson, A.J. (2000). Assessing the effect of visitor presence on reproductive behavior in gibbons (*Hylobates leucogenys*) at Lincoln Park Zoo. American Journal of Primatology, 51, Supplement 1, 70.
- Stoinski, T.S., Czekala, N., Lukas, K.E., and Maple, T.L. (2000). Urinary cortisol and testosterone in male gorillas (*Gorilla g. gorilla*) housed in heterosexual and all-male groups. American Journal of Primatology, 51, Supplement 1, 94.
- Stoinski, T.S., Hoff, M.P., Lukas, K.E., and Maple, T.L. (2000). A preliminary behavioral comparison of two captive all-male gorilla groups. Zoo Biology, 20, 27-40.
- Lukas, K., Gramieri, J., Rosenthal, M., & Ross, M.R. (2001). The role of keepers in behavioral research projects: The curator's perspective. American Zoo and Aquarium Association (AZA) Annual Conference Proceedings (pp. 45-53). Wheeling, West Virginia: AZA.
- Ross, S.R. and Lukas, K.E. (2001). The care and management of captive chimpanzees workshop: Managing social behavior. Journal of Applied Animal Welfare Science, 4(4), 299-301.
- Ross, S.R. and Lukas, K.E. (2001). Exhibit use by great apes as part of a post-occupancy evaluation. American Journal of Primatology, 54, Supplement 1, 31.
- Stoinski, T.S., Czekala, N., Lukas, K.E., and Maple, T.L. (2002). Urinary androgen and corticoid levels in captive, male western lowland gorillas (*Gorilla g. gorilla*): Age- and social group-related differences. American Journal of Primatology, 56, 73-87.

- Lukas, K.E., Barkauskas, R.T., Maher, S.A., Jacobs, B.A., Bauman, J.E., Henderson, A.J., and Calcagno, J. (2002). A longitudinal study of delayed reproductive success in a pair of captive white-cheeked gibbons (*Hylobates leucogenys*). Zoo Biology, 21, 413-434.
- Lukas, K.E., Eves, H., and Bailey, N. (2003). Working with the Bushmeat Crisis Task Force: Dedicating yourself and your institution to action. Proceedings of the 29th National Conference of the American Association of Zoo Keepers (AAZK), p. 177-180. Topeka, KS: AAZK, Inc.
- Lukas, K.E., Hoff, M.P., and Maple, T.L. (2003). Gorilla behavior in response to systematic alternation between zoo enclosures. Applied Animal Behaviour Science, 81(4), 367-386.
- Lukas, K.E., Stoinski, T.S., Snyder, R., Bexell, S., and Burks, K. (2003). Nest building in captive *Gorilla gorilla gorilla*. International Journal of Primatology, 24(1), 103-124.
- Hopkins, W.D., Stoinski, T.S., Lukas, K.E., Ross, S.R., and Wesley, M.J. (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(3), 302-308.
- Lukas, K.E. (2003). [Review of the book Gorilla Biology. A Multidisciplinary Perspective]. International Journal of Primatology, 24(6), 1363-1365.
- Lukas, K.E., and Schoffner, T. (2003). Report from the 1st Annual Great Lakes Regional Gorilla Workshop (November 6-7, 2002). Cleveland Metroparks Zoo; Cleveland, Ohio.
- McCarthy, S.T., Lukas, K.E., Sironen, A.L., and Winkler, D. (2003). Fossa behavior and exhibit use at Cleveland Metroparks Zoo. International Zoo News, 50(7), 396-406.
- Stoinski, T.S., Kuhar, C., Lukas, K.E., and Maple, T.L. (2004). Social dynamics of captive western lowland gorillas living in all-male groups. Behaviour, 141, 169-195.
- Stoinski, T.S., Lukas, K.E., Kuhar, C.W., and Maple, T.L. (2004). Factors influencing the formation and maintenance of all-male gorilla groups in captivity. Zoo Biology, 23, 189-203.
- Crosby, J.Y., and Lukas, K.E. (2004). A case study of primiparous maternal and infant gorilla (*Gorilla gorilla gorilla*) behavior. Journal of Applied Animal Welfare Science, 7(3), 145-162.
- Ross, S.R., and Lukas, K.E. (2005). Zoo visitor behavior at an African ape exhibit. Visitor Studies Today, 8(1), 4-12.
- Fuller, G.A., and Lukas, K.E. (2005). Observations of captive siamangs at Cleveland Metroparks Zoo. International Zoo News, 52(7), 387-394.
- Lukas, K.E. and Ross, S.R. (2005). Zoo visitor knowledge and attitudes towards gorillas and chimpanzees. Journal of Environmental Education, 36(4), 33-48.

Fuller, G., Schoffner, T., and Lukas, K. (2005). Report from the New World Primate Workshop: A Focus on Cebids (September 30 – October 1, 2005). Cleveland Metroparks Zoo, Cleveland, Ohio.

Ross, S.R., and Lukas, K.E. (2006) Use of space in a non-naturalistic environment by chimpanzees and lowland gorillas. Applied Animal Behaviour Science, 96(1-2), 143-152.

Kuhar, C. W., Stoinski, T. S., Lukas, K. E., & Maple, T. L. (2006). Gorilla Behavior Index revisited: Age, housing and behavior. Applied Animal Behaviour Science, 96(3-4), 315-326.

Manuscripts in Press:

Coe, J.C., Scott, D., and Lukas, K.E. Facility design for captive bachelor gorillas. Zoo Biology.

Manuscripts Submitted:

Lukas, K.E. Scientific animal management: Is it a priority?

Lukas, K.E. The status of research in zoos and aquariums. (Book Chapter)

Stoinski, T.S., Lukas, K.E., and Hutchins, M. Zoos and conservation: Moving beyond a piecemeal approach. (Book Chapter)

Manuscripts in Preparation:

Chowdry, P., von Stein, H., Hoellein, E., Mueller, J., and Lukas, K.E. A case study of infant development in Wolf's guenon (*Cercopithecus wolfii*).

Hoellein, E.A., Lukas, K.E., Stoinski, T.S., and Kuhar, C. Gorilla behavior in a multi-male group before and after the death of a silverback.

Lukas, K.E., and Parr, K.A. Can zoos really inspire visitors to take conservation action? An evaluation of *The Bushmeat Promise* Pilot Project at Cleveland Metroparks Zoo.

Lukas, K.E., and Ross, S.R. Designing environments to facilitate research.

Lukas, K.E., Stoinski, T.S., Hoff, M.P., and Maple, T.L. A behavioral evaluation of the formation of a young all-male gorilla group at Zoo Atlanta.

Lukas, K.E., Calcagno, J., Radtke, J., and Loth, T. A comparison of Diana monkey (*Cercopithecus diana*) behavior in multiple zoo enclosures.

Mueller, J.E., Chowdry, P., Cancino, L.R., and Lukas, K.E. Reproductive behavior and infant development in *Cryptoprocta ferox*.

Mueller, J.E., Crim, A., Chowdry, P., Cancino, L.R., Poynter, B., and Lukas, K.E. Solitary and social behavior in captive *Batagur baska*.

ACADEMIC REFERENCES:

Terry L. Maple, Ph.D.

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