

10 February 2008

CURRICULUM VITAE

TODD E. KATZNER
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CURRENT POSITIONS

| <u>Institution</u> | <u>Title</u> | <u>Year</u> |
|---|-----------------------------|----------------|
| National Aviary Dept. of Conservation & Field Research | Director | 2005 - present |
| University of Pittsburgh Department of Biology | Adjunct Assistant Professor | 2006 - present |
| Powdermill Avian Research Center Carnegie Museum of Natural History | Research Associate | 2006 - present |
| Hawk Mountain Sanctuary Association Acopian Center for Conservation Learning | Research Associate | 2003 - present |
| Wildlife Conservation Society International Programs | Research Associate | 2000 - present |

EDUCATION

| <u>Institution</u> | <u>Degree</u> | <u>Year Graduated</u> |
|---|---------------|-----------------------|
| Arizona State University Diss. title: <i>Ecology and behavior of four coexisting eagle species at Naurzum Zapovednik, Kazakhstan</i> | Ph.D. | May 2003 |
| The University of Wyoming Thesis title: <i>Winter ecology of the pygmy rabbit (<u>Brachylagus idahoensis</u>) in Wyoming.</i> | M.S. | December, 1994 |
| Oberlin College | B.A. | May, 1991 |

Special Programs and Courses

| | <u>Year</u> |
|---|-------------|
| Organization for Tropical Studies (OTS) Tropical Biology - An Ecological Approach | 1998 |
| Associated Colleges of the Midwest (ACM) Wilderness Field Station Ornithology, Behavioral Ecology of Vertebrates | 1990 |

AREAS OF SPECIALIZATION

Ecology, Conservation Biology, Ornithology, Mammalogy, Population Biology, Physiological Ecology

HONORS

Student Presentation Award, North American Ornithological Congress, New Orleans, September 2002.
Outstanding Teaching Associate Award. Department of Biology, Arizona State University. May 2002.
Phi Kappa Phi, University of Wyoming, May 1994.
Sigma Xi, Oberlin College, May 1991.

FELLOWSHIPS AND SCHOLARSHIPS

Estación Biológica de Doñana, Access to the Research Infrastructure Prog. ECODOCA Fellowship. 2004. \$1,946.
 National Science Foundation, International Postdoctoral Research Fellowship. 2003-2005. \$147,750
 National Security Education Program, Graduate International Fellowship. 2001. \$11,600
 Environmental Protection Agency, STAR Fellowship for Graduate Environmental Study. 1998-2001. \$94,326.
 National Defense Science and Engineering Graduate Fellowship Program. 1997. Honorable Mention.
 Reed W. Fautin Memorial Scholarship, University of Wyoming. 1993. \$1,100.

GRANTS AND RESEARCH FUNDING

Pennsylvania State Wildlife Grant Program. Assessing risks of wind energy development for a priority "umbrella" species: Pennsylvania's special responsibility for conservation of eastern golden eagles. Co-PI with Dave Brandes, Trish Miller, Robert Mulvihill, Michael Lanzone, 2008-2010. \$70,000.
 Association of Zoos and Aquariums - Conservation Endowment Fund. Non-invasive genetic estimation of population size of critically endangered *Gyps* vultures in Asia. Co-PI with Yula Kapetanakos and Nancy Clum. 2007 - 2008. \$22,765.
 Allegheny Plateau Audubon Society. GPS Telemetry of golden eagles in Pennsylvania. Co-PI with Trish Miller, Dave Brandes, Robert Mulvihill, Michael Lanzone, 2008. \$5,000
 National Birds of Prey Trust. Molecular ecology and conservation of imperial eagles (*Aquila heliaca*) and white-tailed eagles (*Haliaeetus albicilla*) from Kazakhstan. Co-PI with Andrew DeWoody. 2007-2008. \$31,000.
 Pennsylvania State Wildlife Grant Program. Assessing conservation needs of eastern golden eagles in Pennsylvania. Co-PI with Dave Brandes, Trish Miller, Robert Mulvihill, Michael Lanzone, 2007-2008. \$25,000.
 Wild Bird Global Avian Influenza Network for Surveillance. Monitoring Avian Influenza within and across species in Kazakhstan. 2007. \$48,360.
 National Geographic Society - Committee for Research and Exploration. Non-invasive genetic monitoring of the endangered Eastern Imperial Eagle in Kazakhstan. Co-PI with Andrew DeWoody, Evgeny Bragin and Jamie Rudnick. 2006. \$19,850.
 Wildlife Conservation Society - International Programs. Ecology and conservation of a unique community of endangered eagles at the Naurzum Zapovednik, Kazakhstan. Co-PI with Evgeny A. Bragin. 2002: \$4,845; 2003: \$5,700; 2004: \$6,270; 2005: \$9,416; 2006: \$4,840; 2007: \$5,000.
 Wildlife Conservation Society - International Programs. Status and conservation of vultures in south-eastern Kazakhstan. Co-PI with Sergei L. Sklyarenko. 2001-2002. \$8,875; 2003: \$5,300; 2004: \$5,830; 2005: \$5,744; 2006: \$5,700; 2007: \$5,000.
 Wildlife Conservation Society - International Programs. Conservation and monitoring of vultures China. 2005: \$5,625.
 Graduate College and Department of Biology, Arizona State University. Travel grant. 2001: \$1,000, 2002: \$514
 Wildlife Conservation Society - International Programs, Research Fellowship Program. Ecology and conservation of a unique community of endangered eagles at the Naurzum Zapovednik, Kazakhstan. Co-PI with Evgeny A. Bragin. 2000-2001. \$11,650.
 The Frank M. Chapman Memorial Fund, American Museum of Natural History. Integrating competition and predation in a unique community of endangered eagles in Kazakhstan. 2000. \$2,000.
 Northwest Airlines - Travel Support for Research. 2000. \$125.
 The Graduate College, Arizona State University. Graduate training in the biological sciences: preparing for the future. Co-PI with Dr. Thomas Dowling, Martin Gerrits, Lisa Dent, Jill Welter, Dr. Michael Moore and Dr. James Collins. 1999-2000. \$5,880.
 Northwest Airlines - Travel Support for Research. 1999. \$125.
 Biological Resources Division, US Geological Survey: Spatial and temporal relationships between habitats and primary prey of raptors in Kazakstan. Co-PI with Andrew Smith. 1997-2000. \$22,327.
 World Nature Association Grant. Conservation alternatives for endangered species management at the Naurzum Zapovednik, Kazakstan. 1997. \$800.
 The Frank M. Chapman Memorial Fund, American Museum of Natural History. Raptor conservation studies in a unique ecosystem in north-central Kazakstan. 1997. \$2,000.
 The International Osprey Foundation Endowment Fund Grant. Raptor conservation studies in a unique ecosystem in north-central Kazakstan. 1997. \$1,000.

GRANTS AND RESEARCH FUNDING (cont.)

- Russian & East European Studies Consortium Travel Grant, Arizona State University. 1997. \$500.
- Hawk Mountain-Zeiss Raptor Research Award. Raptor conservation studies in a unique ecosystem in north-central Kazakhstan. 1997. \$1,000.
- Graduate Research Support Program, Arizona State University. Modeling predator-prey dynamics and their interaction with landscape level processes in a unique system in Kazakhstan. 1997. \$2,000.
- Hughes Student Research Grant, Oberlin College. 1991.

PEER-REVIEWED PUBLICATIONS

- Rudnick, J.A., **T.E. Katzner**, E.A. Bragin, and J.A. DeWoody. 2007. A non-invasive genetic evaluation of population size, natal philopatry, and roosting behavior of non-breeding eastern imperial eagles (*Aquila heliaca*) in central Asia. *Conservation Genetics*
- Rudnick, J.A., **T.E. Katzner**, E.A. Bragin, and J.A. DeWoody. 2007. Species identification of birds through genetic analysis of naturally shed feathers. *Molecular Ecology Notes*
- Ryabtsev, V. and **T. Katzner**. 2007. Severe declines of Eastern Imperial Eagle *Aquila heliaca* populations in the Baikal region, Russia: a modern and historical perspective. *Bird Conservation International* 17:197-209.
- Katzner, T.**, E.J. Milner-Gulland and E. Bragin. 2007. Using modeling to improve monitoring of structured populations: are we collecting the right data? *Conservation Biology* 21(1): 241-252.
- Kenward, R., **T. Katzner**, M. Wink, V. Marström, S. Walls, M. Karlbom, R. Pfeffer, E. Bragin, K. Hodder, and A. Levin. 2007. Rapid sustainability modelling for raptors by radio-tagging and DNA-fingerprinting. *Journal of Wildlife Management* 71(1): 238-245.
- Katzner, T.**, E. Bragin, S. Knick and A. Smith. 2006. Spatial structure in the diet of imperial eagles *Aquila heliaca* in Kazakhstan. *Journal of Avian Biology* 37: 594-600.
- Katzner, T.**, E. Bragin and E.J. Milner-Gulland. 2006. Modelling populations of long-lived birds of prey for conservation: a study of Imperial Eagles (*Aquila heliaca*) in Kazakhstan. *Biological Conservation* 132: 322-335.
- Rudnick, J.A., **T.E. Katzner**, E.A. Bragin, O.E. Rhodes, Jr., and J.A. DeWoody. 2005. Using naturally shed feathers for individual identification, genetic parentage analyses, and population monitoring in an endangered Eastern imperial eagle (*Aquila heliaca*) population from Kazakhstan. *Molecular Ecology* 14: 2959-2967.
- Katzner, T.** 2005. Corruption - a double-edged sword for conservation? A response to Smith and Walpole. *Oryx* 39(3):260-262.
- Katzner, T.**, S. Robertson, B. Robertson, J. Klucsarits, K. McCarty, and K.L. Bildstein. 2005. Increasing the efficiency of conservation efforts: an example using a nest box program for American kestrels (*Falco sparverius*). *Journal of Field Ornithology* 76(3):217-226.
- Katzner, T.**, E. Bragin, S. Knick and A. Smith. 2005. Relationship between demographics and dietary specificity of Imperial Eagles in Kazakhstan. *Ibis* 147:576-586.
- Busch, J.D., **T. Katzner**, E. Bragin and P. Keim. 2005. Tetranucleotide microsatellites for *Aquila* and *Haliaeetus* eagles. *Molecular Ecology Notes* 5:39-41.
- Leppert, L.L., S. Layman, E.A. Bragin, and **T.E. Katzner**. 2004. Hemoparasite prevalence in Imperial Eagles (*Aquila heliaca*), Steppe Eagles (*Aquila nipalensis*), and White-tailed Sea Eagles (*Haliaeetus albicilla*) from Kazakhstan. *Journal of Wildlife Diseases*. 40(2): 316-319.
- Katzner, T.E.**, C.H. Lai, J.D. Gardiner, J.M. Foggini, D. Pearson and A.T. Smith. 2004. Adjacent nesting by Bearded Vulture (*Gypaetus barbatus*) and Himalayan Griffon Vulture (*Gyps himalayensis*) on the Tibetan Plateau, China. *Forktail*. 20: 94-96.
- Sharkov, A., **T.E. Katzner** and T.M. Bragina. 2003. A new species of *Copidosoma* Ratzeburg (Hymenoptera: Encyrtidae) from eagle nests in Kazakhstan. *Journal of Hymenoptera Research*. 12(2):308-311.
- Katzner, T.**, E. Bragin, S. Knick and A. Smith. 2003. Coexistence in a multi-species assemblage of eagles in central Asia. *Condor*. 105: 538-551.
- Pain, D.J., A.A. Cunningham, P.F. Donald, J.W. Duckworth, D.C. Houston, **T. Katzner**, J. Parry-Jones, C. Poole, V. Prakash., P. Round, and R. Timmins. 2003. Causes and impacts of temporospatial declines of *Gyps* vultures in Asia. *Conservation Biology*. 17(3): 661-671.
- Katzner, T.E.** and Y.P. Cruz. 1998. Survival of the polyembryonic parasitoid *Copidosomopsis tanytmema* (Hymenoptera: Encyrtidae) in envenomized larvae of its host *Anagasta kuehniella* (Lepidoptera: Pyralidae). *Annals of the Entomological Society of America*. 91(6):808-812.

PEER-REVIEWED PUBLICATIONS (cont.)

- Katzner, T.E.** and K.L. Parker. 1998. Long distance movements from established burrow sites by pygmy rabbits (*Brachylagus idahoensis*) in southwestern Wyoming. *Northwestern Naturalist*. 79(2):72-74.
- Katzner, T.E.** and K.L. Parker and H.H. Harlow. 1997. Metabolism and thermal response to changes in ambient temperature in winter acclimatized pygmy rabbits (*Brachylagus idahoensis*). *Journal of Mammalogy*. 78(4):1053-1062.
- Katzner, T.E.** and K.L. Parker. 1997. Vegetative characteristics and size of home ranges used by pygmy rabbits (*Brachylagus idahoensis*) during winter in southwestern Wyoming. *Journal of Mammalogy*. 78(4):1063-1072.

CONFERENCE PROCEEDINGS AND PUBLISHED REPORTS

- Katzner, T.**, E.J. Milner-Gulland and E. Bragin. 2007. Using modeling to improve monitoring of eagles: are we collecting the right data? International Scientific Conference "Biological Diversity of Asian Steppe," Kostanay, Kazakhstan.
- Risebrough, R.W., M.A. Virani, **T.E. Katzner** and J.W. Duckworth. 2006. Collapse of vulture populations in southern Asia. *In: Proceedings of the 23rd International Ornithological Congress, Beijing, China. Acta Zoologica Sinica*. 52(supplement): 42-43.
- Katzner, T.**, A. Gavashelishvili, S. Sklyarenko, M. McGrady, J. Shergalin, and K. Bildstein. 2004. Population and Conservation Status of Griffon Vultures in the Former Soviet Union. Pp. 235-240. *In: Chancellor, R. D. & B.-U. Meyburg eds. Raptors Worldwide: Proceedings of the WWGBP - 6th World Conference on Birds of Prey and Owls, Budapest, Hungary.*
- Bragin, E. and **T. Katzner**. 2004. Population trends and nesting success of Imperial Eagle, Golden Eagle and White-tailed Sea Eagle in north-west Kazakhstan in 1990-2002. Pp. 551-556. *In: Chancellor, R. D. & B.-U. Meyburg eds. Raptors Worldwide: Proceedings of the WWGBP - 6th World Conference on Birds of Prey and Owls, Budapest, Hungary.*
- Sklyarenko, S.L., **T. Katzner**, M. McGrady. 2003. Population status of scavenger raptors in south-eastern Kazakhstan. [in Russian]. Materials of the 4th Conference on Raptors of Northern Eurasia. Penza, Russia.
- Sklyarenko, S.L., M. McGrady, **T. Katzner**, and A.V. Kovalenko. 2003. Group nesting of Black Vultures in Kazakhstan [in Russian]. Materials of the 4th Conference on Raptors of Northern Eurasia. Penza, Russia.
- Katzner, T.**, and S. Sklyarenko. 2002. Conservation status of griffon and other vultures in central Asia. North American Ornithological Congress, New Orleans, LA. *In: Katzner, T., and J. Parry-Jones. 2003. Reports of the Workshop "Conservation of Gyps vultures in Asia." North American Ornithological Conference, New Orleans, LA, 2002.*
- Parker, K.L. and **T.E. Katzner**. 1993. Evaluating shrub-steppe habitat quality using the pygmy rabbit (*Brachylagus idahoensis*) as an indicator species. Pp. 43-51. *In: H.J. Harlow and M. Harlow, eds., University of Wyoming National Park Service Research Center, 17th Annual Report. Laramie, WY.*

PAPERS PRESENTED, WORKSHOPS ATTENDED & SESSIONS ORGANIZED OR CHAIRED

- Rudnick, J.A., **T.E. Katzner**, E.A. Bragin, and J.A. DeWoody. 2007. A noninvasive genetic evaluation of population size and natal philopatry of non-breeding eastern imperial eagles (*Aquila heliaca*) in Kazakhstan. Conservation Genetics Symposium, New York, NY.
- Session Moderator:** Sampling and Techniques. 2007 Joint Conference of the Raptor Research Foundation and the Hawk Migration Association of North America, Fogelsville, PA.
- Brandes, D., **T. Katzner**, T. Miller, M. Lanzone, K. Bildstein and D. Ombalski. 2007. A terrain-based dynamic model for simulating raptor migration through the Appalachians. 2007 Joint Conference of the Raptor Research Foundation and the Hawk Migration Association of North America, Fogelsville, PA.
- Miller, T., D. Brandes, M. Lanzone, D. Ombalski, R. Mulvihill, R. Brooks and **T. Katzner**. 2007. Flight characteristics of golden eagles (*Aquila chrysaetos*) migrating through eastern North America as determined by GPS telemetry. 2007 Joint Conference of the Raptor Research Foundation and the Hawk Migration Association of North America, Fogelsville, PA.
- Lanzone, M., T. Miller, D. Brandes, D. Ombalski, R. Mulvihill and **T. Katzner**. 2007. Golden eagle (*Aquila chrysaetos*) wintering behavior in the Appalachian Mountains of eastern North America using GPS satellite telemetry. 2007 Joint Conference of the Raptor Research Foundation and the Hawk Migration Association of North America, Fogelsville, PA.

PAPERS PRESENTED, WORKSHOPS ATTENDED & SESSIONS ORGANIZED OR CHAIRED (cont.)

- Katzner, T.E.**, J. Rudnick, E.A. Bragin and J.A. DeWoody. 2007. What you see isn't always what you get: how accurate are counts of raptors and how many non-breeders are really out there? 2007 Joint Conference of the Raptor Research Foundation and the Hawk Migration Association of North America, Fogelsville, PA.
- Katzner, T.E.**, J. Rudnick, E.A. Bragin, J.A. DeWoody and E.J. Milner-Gulland. 2007. New approaches to monitoring eagles: collecting the most appropriate data & doing it without disturbing the birds. 2nd Annual meeting of the Eagle Conservation Alliance. Puebla, Mexico.
- Katzner, T.**, E.J. Milner-Gulland and E. Bragin. 2007. Using modeling to improve monitoring of eagles: are we collecting the right data? International Scientific Conference "Biological Diversity of Asian Steppe," Kostanay, Kazakhstan.
- Terraube, J., B. Arroyo, F. Mougeot and **T. Katzner**. 2006. Reproductive and trophic ecology of Pallid Harriers in north Kazakhstan: implications for population dynamics and conservation. 9th Congress on Spanish Harriers. Castuera, Extremadura, Spain.
- Sklyarenko, S. and **T. Katzner**. 2006. Status and distribution of black vulture, Eurasian griffon vulture and Himalayan griffon vulture in central Asia. Conference on Ornithological Research in Northern Eurasia. Stavropol, Russia.
- Rudnick, J.A., **T.E. Katzner**, E.A. Bragin, and J.A. DeWoody. 2005. A Noninvasive Investigation of Juvenile Population Size and Natal Philopatry in the Eastern Imperial Eagle. Conservation Genetics Symposium, Pacific Grove, CA.
- Poulakakis, N., Mantziou, G., Antoniou, A., Parmakelis, A., Skartsi, T., Vasilakis, D., Elorriaga, J., de la Puente, J., Gavashelishvili, A., Ghasabian, M., **Katzner, T.**, McGrady, M., Batbayar, N., Fuller, M., and Natsagdorj, T. 2005 Using microsatellite markers to infer the genetic structure of *Aegypius monachus* (Aves:Accipitridae). International Conference on Conservation and Management of Vulture Populations, Thessaloniki, Greece.
- Katzner, T.**, E.J. Milner-Gulland and E. Bragin. 2005. Using modeling to improve monitoring of birds: are we collecting the right data? Wilson Ornithological Society - Association of Field Ornithologists 2005 Joint Meeting. Beltsville, MD.
- Rudnick, J. **T. Katzner**, O.E. Rhodes, Jr., J.A. DeWoody. 2004. Non-invasive Monitoring of an Eastern Imperial Eagle Population in Kazakhstan. Society for Conservation Biology Conference, New York, NY.
- Galushin, V., **T. Katzner** and S. Sklyarenko. 2004. The black vulture in Russia and Kazakhstan. International Symposium on the Black Vulture *Aegypius monachus*. Cordoba, Spain.
- Katzner, T.**, E. Bragin, E.J. Milner-Gulland. 2004. Using modelling to improve monitoring of raptors in forest-steppe: an example with Imperial Eagles (*Aquila heliaca*) in Kazakhstan. International Symposium on Ecology and Conservation of Steppe-Land Birds, Lleida, Spain.
- Rudnick, J. **T. Katzner**, O.E. Rhodes, Jr., J.A. DeWoody. 2004. Non-invasive monitoring of an Imperial Eagle population in Kazakhstan. 2004 Meeting of the Indiana Chapter of The Wildlife Society, Bloomington, IN, U.S.A. *Poster presentation*.
- Rudnick, J.A., **T.E. Katzner**, E.A. Bragin, and J.A. DeWoody. 2004. Non-invasive Monitoring of an Eastern Imperial Eagle Population in Kazakhstan. Midwest Fish and Wildlife Conference Indianapolis, IN.
- Katzner, T.**, A. Gavashelishvili, S. Sklyarenko, M. McGrady, J. Shergalin, and K. Bildstein. 2003. Population and conservation status of Griffon Vultures in the former Soviet Union. 6th World Conference on Birds of Prey and Owls, Budapest, Hungary.
- Bragin, E.A. and **T. Katzner**. 2003. Population trends and nesting success of Imperial, Golden and White-tailed Sea Eagles in North-west Kazakhstan. 6th World Conference on Birds of Prey and Owls, Budapest, Hungary.
- Katzner, T.**, E. Bragin, S. Knick, and A. Smith. 2003. Dietary response and demography of Imperial Eagles (*Aquila heliaca*) in a spatially heterogeneous environment in Kazakhstan. 6th World Conference on Birds of Prey and Owls, Budapest, Hungary.
- Rudnick, J.A., **T.E. Katzner**, E.A. Bragin, and J.A. DeWoody. 2003. The Effective Population Size and Mating System of an Eastern Imperial Eagle Population in Kazakhstan. Joint Meeting of the Indiana Chapters of The Wildlife Society and The American Fisheries Society, Bloomington, IN. *Poster presentation*.
- Session Chair:** Old world Vulture Studies: Population status and movements. 6th World Conference on Birds of Prey and Owls, Budapest, Hungary.
- Sklyarenko, S.L., **T. Katzner**, M. McGrady. 2003. Population status of scavenger raptors in south-eastern Kazakhstan. [in Russian]. 4th Conference on Raptors of Northern Eurasia. Penza, Russia.
- Sklyarenko, S.L., M. McGrady, **T. Katzner**, and A.V. Kovalenko. 2003. Group nesting of Black Vultures in Kazakhstan [in Russian]. 4th Conference on Raptors of Northern Eurasia. Penza, Russia

PAPERS PRESENTED, WORKSHOPS ATTENDED & SESSIONS ORGANIZED OR CHAIRED (cont.)

- Katzner, T.**, E. Bragin, S. Knick and A. Smith. 2002. Dietary response and demography in a population of imperial eagles in a spatially heterogeneous environment in Kazakhstan. North American Ornithological Congress, New Orleans, LA. *Received student presentation award.*
- Katzner, T.**, S. Sklyarenko, A. Gavashelishvili, M. McGrady and K. Bildstein. 2002. Abundance and conservation status of vultures in the former Soviet Union. North American Ornithological Congress, New Orleans, LA. *Poster presentation.*
- Co-organizer:** (with Jemima Parry-Jones), Workshop "Conservation of *Gyps* vultures in Asia." North American Ornithological Congress, New Orleans, LA, September 2002.
- Busch, J., **T. Katzner**, E. Bragin and P. Keim. 2002. Development of polymorphic microsatellite markers that amplify across two eagle genera. North American Ornithological Congress, New Orleans, LA. *Poster presentation.*
- Katzner, T.**, and S. Sklyarenko. 2002. Conservation status of griffon and other vultures in central Asia. North American Ornithological Congress, New Orleans, LA. *Workshop presentation.*
- Katzner, T.**, S. Knick, E. Bragin and A. Smith. 2002. The role of intraspecific interactions in the coexistence of four species of eagles at a nature reserve in Kazakhstan. International Ornithological Congress, Beijing, China.
- Rudnick, J., **Katzner, T.**, Busch, J., Rhodes, O.E. and J.A. DeWoody. 2002. Genetic variation and parentage in three species of Eurasian eagles. The 2002 Joint Meeting of the Indiana Chapters of The Wildlife Society and The American Fisheries Society, Bloomington, IN, U.S.A. *Poster presentation.*
- Rudnick, J., **Katzner, T.**, Busch, J., Rhodes, O.E. and J.A. DeWoody. 2002. Genetic variation and parentage in three species of Eurasian eagles. The 2002 Midwest Ecology and Evolution Conference, Bowling Green, OH, U.S.A. *Poster presentation.*
- Participant:** Regional meeting on the conservation of pygmy rabbits in Washington, Washington Department of Fish and Wildlife, 2002.
- Katzner, T.**, Knick, S., Bragin, E., and A. Smith. 2001. The role of intraspecific interactions in the coexistence of four species of eagles at a nature reserve in Kazakhstan. 4th Eurasian Congress on Raptors, Sevilla Spain.
- Co-organizer:** (with Jemima Parry-Jones), Workshop "Indian griffon vultures and their problems." 4th Eurasian Congress on Raptors, Seville, Spain, September 2001.
- Participant:** International Workshop on Red Listing. IUCN/SSC, INTAS, and the Uzbek Academy of Sciences, sponsors. Gazalkent, Uzbekistan, September 2001.
- Katzner, T.**, Knick, S., Bragin, E., and A. Smith. 2001. Species Coexistence Mediated by Intraspecific Interactions: Evidence from a Unique Community of Eagles in Central Asia. 2001 Annual Meeting, Cooper Ornithological Society, Albuquerque, NM, U.S.A.
- Katzner, T.E.** and S.L. Sklyarenko. 2000. Status of Vulture Populations in a Region of South-eastern Kazakhstan. 2000 Annual Meeting, Raptor Research Society, Jonesboro, AR, U.S.A. *Poster presentation.*
- Katzner, T.E.**, S.T. Knick, E.A. Bragin, D.W. Katzner and A.T. Smith. 1999. Understanding relationships among raptors: alternative numerical and graphical approaches to diet analysis. 1999 Annual Meeting, Raptor Research Foundation, La Paz, Mexico.
- Katzner, T.E.**, S.T. Knick, E.A. Bragin, D.W. Katzner and A.T. Smith. 1999. Alternative approaches to analysis of diets of raptors. 3rd Eurasian Conference of the Raptor Research Foundation, Mikulov na Moravě, The Czech Republic.
- Knick, S.T., T.M. Bragina, E.A. Bragin, and **T.E. Katzner**. 1999. Habitat mapping from satellite imagery in Kazakhstan. 2nd International Wildlife Management Conference, Gödöllő, Hungary. *Poster presentation.*
- Katzner, T.E.**, E.A. Bragin, S.T. Knick and A.T. Smith. 1998. Nest spacing and diet selection in a unique multi-species community of eagles in central Asia. 1998 Annual Meeting, Raptor Research Foundation, Ogden, Utah, U.S.A.
- Katzner, T.E.** and K.L. Parker. 1994. Winter ecology of the pygmy rabbit in Wyoming. Wyoming Chapter of the Wildlife Society Meeting, Casper, WY, U.S.A.
- Katzner, T.E.** and Y.P. Cruz. 1991. Interspecific competition between an ecto- and an endoparasitoid of the larvae of the moth *Anagasta kuehniella*. NCB Entomological Society of America Meeting, Milwaukee, WI, U.S.A. *Poster presentation.*

INVITED SYMPOSIA

- Katzner, T.E.** 2007. Conservation ecology at arm's length: non-invasive approaches to demography of rare and endangered species. Department of Biology, Westminster College, New Wilmington PA.
- Katzner, T.E.** 2007. Conservation ecology at arm's length: non-invasive approaches to demography of rare and endangered species. Odum School of Ecology, University of Georgia, Athens, GA.
- Katzner, T.E.** 2006. Non-invasive population studies of threatened raptors. Pennsylvania Society of Ornithology, Powdermill Nature Reserve, PA.
- Katzner, T.E.** 2006. Conservation ecology at arm's length: non-invasive demography of rare and endangered species. Department of Biological Sciences. Duquesne University, Pittsburgh, PA.
- Katzner, T.E.** 2005. Ecology and conservation of eagles and vultures in central Asia: non-invasive approaches to the study of rare and endangered species. Vermont Institute of Natural Sciences, Queche, VT.
- Katzner, T.E.** 2005. Conservation ecology at arm's length: non-invasive demography of rare and endangered species. Department of Biology Seminar. University of Pittsburgh, Pittsburgh, PA.
- Katzner, T.E.** 2005. Spatial structure in diet of Imperial Eagles (*Aquila heliaca*) in Kazakhstan and its relation to their demography. Coe College Wilderness Field Station, Ely, MN.
- Katzner, T.E.** 2005. Conservation of imperial eagles in Kazakhstan: can we use modeling to assess and improve our monitoring? Ecology & Evolution Seminar. University of Pittsburgh, Pittsburgh, PA.
- Katzner, T.E.** 2004. Does predator diet impact demography? An example from a population of imperial eagles in Kazakhstan. Ecology and Evolution Seminar. Imperial College London at Silwood Park, UK.
- Katzner, T.E.** 2004. Is coexistence of eagles in Kazakhstan mediated by competition? Unidad de Biología Aplicada, Estación Biológica de Doñana, Sevilla, Spain.
- Katzner, T.E.** 2003. Ecology of eagles at the Naurzum Zapovednik, Kazakhstan. Renewable Resources Assessment Group, Department of Environmental Science and Technology, Imperial College, London.
- Katzner, T.E.** 2003. Ecology and behavior of eagles at Naurzum Zapovednik, Kazakhstan. Oberlin College, Department of Biology, Oberlin, OH.
- Katzner, T.E.** 2003. Behavioral ecology of large eagles in Kazakhstan. Acopian Center for Conservation Learning, Hawk Mountain Sanctuary, Orwigsburg, PA.
- Katzner, T.E.** 2003. Eagle ecology and behavior at the Naurzum Nature Reserve, Kazakhstan. Coe College, Department of Biology, Cedar Rapids, IA.
- Katzner, T.E.** 2003. Ecology and conservation of eagles and vultures in Kazakhstan. Wildlife Discussion Group, Purdue University, West Lafayette, IN.
- Katzner, T.E.** 2002. Eagle ecology at a nature reserve in Kazakhstan. Arizona Game and Fish Department, Phoenix, AZ.
- Katzner, T.E.** 2001. Ecology and conservation of eagles and vultures in Kazakhstan. Wildlife Conservation Society, Bronx, NY.
- Katzner, T.E.** and K.L. Parker. 1995. Winter ecology of the pygmy rabbit in Wyoming. Biology Research Seminar, Coe College, Cedar Rapids, IA.

POPULAR PAPERS, PRESENTATIONS, WEB PAGES & PHOTO CREDITS

- Katzner, T.E.** 2007. Migrating Eagles and Wind Turbines: Resolving Conflict in an Information Void. Three Rivers Birding Club, Pittsburgh, PA.
- Katzner, T.E.** 2007. Conservation and eagles. Boy Scout Troop 560, Shaler, PA.
- Katzner, T.E.** 2007. Conservation ecology at arm's length: non-invasive population studies of threatened raptors. Allegheny Plateau Audubon Society Chapter, Johnstown, PA.
- Katzner, T.E.** 2007. In Rebuttal: Seeing Real Elephants. Op-ed Page, Pittsburgh Post-Gazette, 14 November 2007.
- Katzner, T.E.** 2007. Avian Rehabilitation for Conservation and Science. Flight Path 1(2):1 & 3 (*Bulletin of the Department of Conservation & Field Research at the National Aviary*).
- Katzner, T.E.** 2007. Partnering for conservation: Sociedad Ornitológica de Hispaniola. Flight Path 1(2):4 (*Bulletin of the Department of Conservation & Field Research at the National Aviary*).
- Katzner, T.E.** 2007. Human population and biodiversity. Flight Path 1(1):1 & 5 (*Bulletin of the Department of Conservation & Field Research at the National Aviary*).
- Katzner, T.E.** 2007. Partnering for conservation: Powdermill Avian Research Center. Flight Path 1(1):4 (*Bulletin of the Department of Conservation & Field Research at the National Aviary*).
- Katzner, T.E.** 2006. Avian studies in Kazakhstan: eagles on the edge and vultures on the verge. Sherwood Oaks, Pittsburgh, PA.

POPULAR PAPERS, PRESENTATIONS, WEB PAGES & PHOTO CREDITS (cont.)

- Katzner, T.E.** 2006. 300 million and growing: a complex problem for conservation. *Bird Calls* 20(3):6. (*National Aviary newsletter*)
- Katzner, T.E.** 2006. Notes from the field..... *Bird Calls* 20(3):4-5. (*National Aviary newsletter*)
- Katzner, T.E.** 2006. Notes from the field..... *Bird Calls* 20(2):4-5. (*National Aviary newsletter*)
- Katzner, T.E.** 2006. Notes from the field..... *Bird Calls* 20(1):2. (*National Aviary newsletter*)
- Katzner, T.E.** 2005. Rotary club breakfast talk. Forest Hills Rotary, Pittsburgh, PA.
- Katzner, T.E.** 2005. Notes from the field..... *Bird Calls* 19(2):2. (*National Aviary newsletter*)
- Contributor:** 2005. Georgia Field Report:Field Trip Earth, <http://www.fieldtripearth.org/article.xml?id=1156>
- Katzner, T.E.** 2005. Notes from the field..... *Bird Calls* 19(2):1. (*National Aviary newsletter*)
- Katzner, T.E.** 2004. Vultures on the verge. . . of a biological breakdown. *Wildlife Conservation*. 107:44-47. Reprinted in *Bird Calls* 19(2);6-7. (*National Aviary newsletter*)
- Contributor:** 2003. Kazakhstan Field Report:Field Trip Earth, <http://www.fieldtripearth.org/article.xml?id=901>
- Katzner, T.E.** 2003. Eagles and vultures in Kazakhstan. Luncheon presentation. The Nature Conservancy, International Development Office, New York, NY.
- Katzner, T.E.** 2003. An eagle's-eye view. *Wildlife Conservation*. 106:4-5.
- Katzner, T.E.** 1999. Rainforest Expert: JASON Project. Arizona Science Center, Phoenix, AZ, U.S.A.
- Katzner, T.E., R. Capitan and B.A. Andres.** 1996. Checklist of summer birds of Ft. Richardson. Ft. Richardson Army Base, Anchorage, AK, U.S.A.
- Katzner, T.E., R. Capitan and B.A. Andres.** 1996. Otter Lake/Otter Lake to Sixmile Lake Nature Trail Guides. Ft. Richardson Army Base, Anchorage, AK, U.S.A.
- Katzner, T.E.** 1996. Snowshoe Hare Biology. Snowshoe Hare Moon Walk. Forest Service Moon Walk Series, U.S. Forest Service, Laramie, WY, U.S.A.
- Photographic contributions:** 2007. "Golden Eagle Days, Part II." Marcia Bonta, PA State Game News, Dec.
- Photographic contributions:** 2005. "Vultures of Georgia and the Caucasus" L. Gavashelishvili. 2005.
- Photographic contributions:** 2005. "A birdwatching guide to Georgia" Gavashelishvili et al. 2005.

ACADEMIC APPOINTMENTS

| <u>Employer</u> | <u>Title</u> | <u>Year</u> |
|---|------------------------------|--------------------|
| University of Pittsburgh Department of Biology | Adjunct Assistant Professor | 2006 - present |
| U.S. National Science Foundation & Imperial College London | Postdoctoral Research Fellow | 2003-2005 |
| Arizona State University Department of Biology | Lecturer | 2002 |
| Arizona State University Department of Biology | Teaching Associate | 1996-1998, 2001 |
| Coe College, Iowa Department of Biology | Lecturer | 1995 |
| University of Wyoming Department of Zoology and Physiology | Graduate Research Associate | 1993-1994 |
| University of Wyoming Department of Zoology and Physiology | Teaching Associate | 1992-1993 |
| Oberlin College, Ohio Department of Biology | Teaching Assistant | 1990 |
| Oberlin College, Ohio Department of Biology | Tutor | 1989, 1991 |

ACADEMIC APPOINTMENTS (cont.)

| <u>Courses</u> | <u>Capacity</u> | <u>Subjects covered</u> | <u>Institution</u> |
|-----------------------|------------------------|---|--|
| Biodiversity | Guest Lecturer | Non-invasive pop. estimation | Westminster College, PA, 2007 |
| Ecology | Guest Lecturer | Field Ecology | University of Pittsburgh, 2006 |
| Field Sampling | Guest Lecturer | Field Sampling Tech. | Kostanay Pedagogical Institute (KZ) 2006 |
| Bio Ethics | Guest Lecturer | Corruption & Conservation | Duquesne University, 2006 |
| Mammalogy | Lead Instructor | All topics | Arizona State University, Sierra Anches Field Stn., 2002 |
| Mammalogy | Guest Lecturer | Population Ecology, Sampling | Arizona State University, 1998 2001 |
| Conservation Biology | Guest Lecturer | Population Biology, Wildlife Management | Arizona State University, 1997 1998, 2000, 2001 |
| Mammalogy | Lead Instructor | All topics | Coe College, 1995 |
| Mammalogy | Teaching Assoc. | Mammal labs | Arizona State University, 1996, 1998, 2001 |
| Wildlife Conservation | Teaching Assoc. | Field Techniques | Arizona State University, 1997, 98 |
| General Biology | Teaching Assoc. | General labs | University of Wyoming, 1992, 93 |
| Organismal Biology | Teaching Assist. | Biology labs | Oberlin College, 1990 |

Students Supervised

| <u>Students Supervised</u> | <u>Degree & Research Topic</u> | <u>Institution</u> |
|-----------------------------------|--|---|
| Alexander Sagalov | Diplome (2001) Variability in diet of imperial eagles | University of Kustanay Kustanay, Kazakstan |
| Alexander Popkov | Diplome (2001) Habitat associations of eagle prey | University of Kustanay Kustanay, Kazakstan |
| Seth Layman | B.A. Biology (1999) Parasites of eagle chicks | The Colorado College Colorado Springs, CO |
| Anatoly Taran | Diplome (1999) Eagle predator-prey interactions | University of Kustanay Kustanay, Kazakstan |

Advisory Committees

| <u>Advisory Committees</u> | <u>Degree & Research Title</u> | <u>Institution</u> |
|-----------------------------------|--|---------------------------|
| Jennifer Gabel | Ph.D. (2007) <i>Gene flow & fragmentation analysis of Cherokee Darter</i> | Duquesne University |

RESEARCH AND CONSULTATION APPOINTMENTS

| <u>Employer</u> | <u>Title</u> | <u>Year</u> |
|--|--|--------------------|
| National Aviary Conservation & Field Research | Director | 2005 - present |
| University of Pittsburgh Department of Biology | Adjunct Assistant Professor | 2006 - present |
| Hawk Mountain Sanctuary Association Acopian Center | Research Associate | 2003 - present |
| Wildlife Conservation Society International Programs | Research Associate | 2000 - present |
| Desert Botanical Garden, Arizona Research Office | Biological Consultant | 1997 |
| U.S. Fish and Wildlife Service, Alaska Migratory Bird Management | Biological Technician | 1996 |
| University of Wyoming Department of Zoology and Physiology | Research Associate | 1995-1996 |
| National Biological Service, Idaho Raptor Res. and Tech. Assist. Center | Research Associate, Field Crew Leader | 1995 |
| University of Wyoming Department of Zoology and Physiology | Biological Technician | 1994 |

RESEARCH AND CONSULTATION APPOINTMENTS (cont.)

| <u>Employer</u> | <u>Title</u> | <u>Year</u> |
|--|-----------------------|--------------------|
| U.S. Fish and Wildlife Service, Hawaii Hawaii Field Station | Biological Technician | 1992 |
| Associate Colleges of the Midwest, Minnesota Wilderness Field Station | Research Associate | 1992 |
| Oberlin College, Ohio Department of Biology | Research Technician | 1990-1991 |

SERVICE RELATED ACTIVITIES

Search Committee, Conservation Biologist Search, Powdermill Nature Reserve, Carnegie Museum of Natural History. 2006-2007

Ornithological Technical Committee, State of Pennsylvania. 2006 - present.

Graduate Student Representative, faculty search committee, Department of Biology, ASU. 2002.

Graduate Student Representative, faculty search committee, Department of Biology, ASU. 2000-2001.

Graduate Student Representative (Ecology), Department of Biology, ASU. 2000-2001.

Organizing committee for "Graduate training in the biological sciences" seminar series, Department of Biology, ASU. 2000-2001.

PROFESSIONAL ORGANIZATIONS AND ACTIVITIES

Wildlife Conservation Society of the Philippines (2005 - present)

Georgian Center for the Conservation of Wildlife (GCCW) 2004 - present.

American Ornithologists Union. 1993-present.

American Society of Mammalogists. 1993 - present.

Cooper Ornithological Society. 1998-present.

Ecological Society of America. 1997-2003.

Raptor Research Society. 1998-present.

Society for Conservation Biology. 1996-2003.

Wilson Ornithological Society. 1998-present.

Central Arizona Chapter, Society for Conservation Biology. Member 1997-2002. President, 1997.

Asian Raptor Research and Conservation. 1999-2001.

World Working Group on Birds of Prey and Owls. 1999-2001.

ADVISORY BOARD MEMBERSHIP

Advisory Committee: Sociedad Ornitología de la Hispaniola (SOH; 2005 - present)

Scientific Advisor: Philippine Eagle Foundation (2006 - present)

Scientific Advisor: American Zoo and Aquarium Associations (AZA) Raptor Taxon Advisory Group (TAG). (2004 - present)

Scientific Advisor: American Zoo and Aquarium Associations (AZA) Cinereous Vulture Species Survival Plan (SSP). (2004 - present).

SCIENTIFIC EDITORIAL AND REVIEWING ACTIVITY

Editor: Animal Conservation (2007 - present)

Review Board: National Birds of Prey Trust (2005-present)

Editorial Board: Animal Conservation (2005 - 2006)

Editor and compiler: Reports of the Workshop "Conservation of *Gyps* vultures in Asia." North American Ornithological Conference (2002)

Editor and compiler: Reports of the Workshop "Indian griffon vultures and their problems." 4th Eurasian Congress on Raptors (2001)

Reviewer: Ecology (2007)

Reviewer: Ecological Applications (2007)

Reviewer: Conservation Biology (2007)

Reviewer: Wildlife Conservation Society of the Philippines Proceedings (2007)

Reviewer: Oryx (2003, 2004, 2006*2, 2007, 2008)

Reviewer: Biological Conservation (2006*2)

SCIENTIFIC EDITORIAL AND REVIEWING ACTIVITY (cont.)**Reviewer:** Bird Conservation International (2006*2)**Reviewer:** Journal of Avian Biology (2007)**Reviewer:** Pittsburgh Zoo Conservation Fund Grant Program (2008)**Reviewer:** BP Conservation Leadership Program (2005, 2006, 2007)**Reviewer:** American Zoological and Aquarium Association Conservation Endowment Grant Program (AZA-CEF; 2005, 2006, 2007)**Reviewer:** ActionBioscience.org, American Institute of Biological Sciences (2007)**Reviewer:** International Foundation for Science (Research Grants; 2005, 2006)**Reviewer:** Ecography (2006*2)**Reviewer:** Ibis (2006*2, 2007)**Reviewer:** Journal of Applied Ecology (2005, 2006, 2007)**Reviewer:** Belgian Journal of Zoology (2006).**Reviewer:** Ostrich: the African Journal of Ornithology (2005)**Reviewer:** Animal Conservation (2004, 2005, 2006)**Reviewer:** Journal of Raptor Research. (1999, 2003, 2005, 2006, 2007)**Reviewer:** Journal of Mammalogy (1998, 2004)**Reviewer:** Mongolian Journal of Biology (2004, 2008)**Reviewer:** Condor (2004)**Reviewer:** Vulture News (2004, 2005, 2006)**Reviewer:** Ardea (2008)**Reviewer:** Wildlife Conservation Society, International Research Fellowship Program (2003, 2004, 2006, 2007*2)**Reviewer:** Conference Proceedings: 6th World Conference on Birds of Prey and Owls, Budapest, Hungary. (2003)**Reviewer:** Action Plan: Pallid Harriers. BirdLife International (2002)**Reviewer:** Proceedings of the Workshop on Golden Eagles at the 1999 Raptor Research Foundation Meeting (2001)**Reviewer:** Journal of Field Ornithology (2000)**Reviewer:** Washington State Recovery Plan for the Pygmy Rabbit (1995)**Language Editing:** Acta Theriologica Sinica (2005)**POPULAR REVIEWING, EDITING AND ADVISING ACTIVITY****Text Editor:** "A birdwatching guide to Georgia" Gavashelishvili et al. 2005.**Text Editor:** "The Naurzum State Nature Reserve" E. Bragin, 2005**POPULAR PRESS COVERAGE****PopCity, Pittsburgh on-line newsletter**, National Aviary Breaks New Ground in Migration Tracking, 06 December 2006.**WDUQ Public Radio 90.5FM**, Interview on growth of Department of Conservation and Field Research, 01 December 2006.**KQV News Radio 1410AM**, Interview on satellite tracking of eastern imperial eagles in Kazakhstan. 29 November 2006**Pittsburgh Post-Gazette**, Health and Science Section, 25 October 2006. "Aviary research finds eagles need a closer look"**The Animal Planet Report**, on Animal Planet, 11 November 2005.**The New York Times**, Science Page, July 26, 2005. "Raptors' Fidelity Is Proved Without Ruffling Any Feathers."**Arizona State University Research Magazine**, Spring 1999. "Resource Management - It's for the birds!"