

## Michael E. Tewes, Ph.D.

Regents Professor  
 The Frank D. Yturria Endowed Chair in Wild Cat Studies  
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### EDUCATION

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Ph.D.	University of Idaho	August 1986	Wildlife Resources
M.S.	Texas A&M University	May 1982	Wildlife Ecology
B.S.	Texas A&M University	May 1979	Wildlife Ecology

### CERTIFICATION

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The Wildlife Society, Member since 1977
The Wildlife Society, Certified Wildlife Biologist in 1981

### TEACHING EXPERIENCE

#### *Academic*

Sep. 1986-Present & Oct. 1981-Sep. 1984	Caesar Kleberg Wildlife Research Institute, Texas A&M Univ.-Kingsville
Sep. 1986-Present	Coordinator of the Feline Research Program
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Sep. 2008-Present	Frank Daniel Yturria Endowed Chair for Wild Cat Studies
Dec. 2007-Present	Regents Professor, Texas A&M University-System
Sep. 1995-2007	Professor
Sep. 1989-Sep. 1995	Associate Professor/ Associate Research Scientist
Sep. 1986-Sep. 1989	Assistant Research Scientist
(Sep. 1984-Sep. 1986)	PhD Student, University of Idaho (stipend from Kleberg Institute)
Oct. 1981-Sep. 1984	Research Associate

## PUBLICATIONS

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- Blackburn, A., C. J. Anderson, A. M. Veals, M. E. Tewes, D. B. Wester, J. H. Young Jr., R. W. DeYoung, and H. L. Perotto-Baldivieso. 2020. Landscape patterns of ocelot-vehicle collision sites. *Landscape Ecology*. DOI: <https://doi.org/10.1007/s10980-020-01153-y>
- Leonard, J. P., M. E. Tewes, J. V. Lombardi, D. B. wester, and T. A. Campbell. 2020. Effect of sun angle, temperature, and moon phase on sympatric ocelots and bobcats in South Texas, *PLoS One* 15: e0231732. DOI: <https://doi.org/10.1371/journal.pone.0231732>
- Lombardi, J. V. D. I. MacKenzie, M. E. Tewes, H. L. Perotto-Baldivieso, J. M. Mata, and T. A. Campbell. 2020. Co-occurrence patterns of bobcats, coyotes, and ocelots in Texas. *Ecology and Evolution* 10:4903-4917. DOI: <https://doi.org/10.1002/ece3.6242>
- Lombardi, J. V., H. L. Perotto-Baldivieso, and M. E. Tewes. 2020. Land cover trends in South Texas 1987-2050: Implications for wild felids. *Remote Sensing* 12:659. DOI: <https://doi.org/10.3390/rs12040659>
- Lombardi, J. V., M. E. Tewes, H. L. Perotto-Baldivieso, J. M. Mata, and T. A. Campbell. 2020. Spatial structure of woody cover affects habitat use patterns of ocelots in Texas. *Mammal Research* 65:555-563. DOI: <https://dx.doi.org/10.1007/s13364-020-00501-2>
- Tewes, M.E. 2019. The conservation status of the endangered ocelot: A 35-year perspective. 37<sup>th</sup> Annual Faculty Lecture, Texas A&M University-Kingsville. (recognized as a publication)
- Janecka, J.E., M.E. Tewes, I.A. Davis, A.M. Haines, A. Caso, T.L. Blakenship, and R.L. Honeycutt. 2016. Genetic differences in the response to landscape fragmentation by a habitat generalist, the bobcat, and a habitat specialist, the ocelot. *Conservation Genetics* DOI 10.1007/s 1059 2-016-0846-1
- Borries, C., L.I. Grassman Jr., E. Larney, M.E. Tewes, and A. Koning. 2015. Survival of a wild female marbled cat to at least 10 years of age. *Cat News*, No. 62.
- Janecka, J.E., M.E. Tewes, L.L. Laack, A. caso, L.I. Grassman, and R.L. Honeycutt. 2014. Loss of genetic diversity among ocelots in the United States during the 20<sup>th</sup> century linked to human induced population reductions \. *PLOS One* DOI: 10.1371/journal.pone 0089384.
- Holbrook, J.D., A. Caso, R.W. DeYoung, and M.E. Tewes. 2013. Population genetics of jaguarundis in Mexico: implications for future research and conservation. *Wildlife Society Bulletin* 37:336-341.
- Carvajal-Villarreal, S., A. Caso, P. Downey, A. Moreno, M.E. Tewes, L.I. Grassman Jr. 2012. Spatial patterns of the margay (*Leopardus wiedii*; Felidae, Carnivora) at "El Cielo" Biosphere Reserve, Tamaulipas, Mexico. *Mammalia* 76:237-244.
- DeYoung, R., J.D. Holbrook, M.E. Tewes, and J.H. Young. 2012. Using museums to inform management: Genetic insights into Texas mountain lion populations. Pages 30-32 in P.H. Dickerson and R.T. Gage, editors. *Proceedings of the Trans-Pecos Wildlife Conference-2012*. Sul Ross State University, Alpine, Texas. (M.S. student Holbrook)
- Harveson, P.M., L.A. Harveson, L. Hernandez-Santin, M.E. Tewes, N.J. Silvy, and J.T. Pittman. 2012. Characteristics of two mountain lion (*Puma concolor*) populations in Texas. *Wildlife Biology* 18:58-66.

- Holbrook, J.D., R. DeYoung, J.E. Janecka, M.E. Tewes, R. L. Honeycutt, and J. H. Young. 2012. Genetic diversity, population structure, and movements of mountain lions, *Puma concolor*, in Texas. *Journal of Mammalogy* 93:989-1000.
- Holbrook, J.D., R. DeYoung, M.E. Tewes, and J.H. Young. 2012. Demographic history of an elusive carnivore: using museums to inform management. *Evolutionary Applications* 5:619-628.
- Holbrook, J.D., R. DeYoung, A. Caso, M.E. Tewes, and J.H. Young. 2012. Hog-nosed skunks (*Conepatus leuconotus*) along the Gulf of Mexico: population status and genetic diversity. *Southwestern Naturalist* 57:223-225.
- Gilad, O., J.E. Janecka, F. Armstrong, M.E. Tewes, And R.L. Honeycutt. 2011. Mountain lions in Guadalupe Mountains National Park: estimates of occurrence and distribution through DNA analyses. *The Southwestern Naturalist* 56:297-304.
- Holbrook, J. D., R. W. DeYoung, M.E. Tewes, and J.H. Young. 2011. Demographic history of mountain lions in Texas. Pages 97-103 *in* Williams, J., H. Robinson, and L. Swenor, editors. *Proceeding of the 10<sup>th</sup> Mountain Lion Workshop, May2-5, 2011*. Bozeman, Montana, USA.
- Holbrook, J. D., R. DeYoung, M.E. Tewes, J. Young, J. Mays, and E. Meyers. 2011. Natural dispersal or illegal pets? Limitations on assigning origin to road-killed ocelots in the southwestern United States. *Wildlife Society Bulletin* 35:504-507.
- Janecka, J.E., M. E. Tewes, L.L. Laack, A. Caso, L.I. Grassman Jr., A.M. Haines, D. B. Shindle, W.J. Murphy, R.L. Honeycutt. 2011. Reduced genetic diversity and isolation of remnant ocelot populations occupying a severely fragmented landscape in southern Texas. *Animal conservation* 14:608-619.
- Young, J.H., M.E. Tewes, A.M. Haines, G. Guzman, and S.J. DeMaso. 2010. Survival and mortality of cougars in the Trans-Pecos Region. *The Southwestern Naturalist* 55:412-419.
- Horne, J.S., A.M. Haines, M.E. Tewes, and L.L. Laack. 2009. Habitat partitioning by sympatric ocelots and bobcats: implications for recovery of ocelots in southern Texas. *The Southwestern Naturalist* 54:119-126.
- Chen, M., M.E. Tewes, K. Pei, and L.I. Grassman Jr. 2009. Activity patterns and habitat use of sympatric small carnivores in southern Taiwan. *Mammalia* 73:20-26.
- Janecka, J.E., M.E. Tewes, L.L. Laack, L.I. Grassman Jr., A.M. Haines, and R.L. Honeycutt. 2008. Small effective population sizes of two remnant ocelot populations (*Leopardus pardalis albescens*) in the United States. *Conservation Genetics* 9:869-878.
- Tewes, M.E., and M.G. Hornocker. 2008. Effects of drought on bobcats and ocelots. Pages 123-138 *in* *Wildlife Science: Linking Ecological Theory to Management Applications* (T. Fulbright and D. Hewitt, eds.), CRC Press, Boca Raton, FL.
- Austin, S.C., L.I. Grassman Jr., M.E. Tewes, and N.J. Silvy. 2007. Ecology and conservation of the leopard cat *Prionailurus bengalensis* and clouded leopard *Neofelis nebulosa* in Khao Yai National Park, Thailand. *Acta Zoologica Sinica* 53:1-14.
- Austin, S.C., L.I. Grassman Jr., M.E. Tewes, and N.J. Silvy. 2007. Road ecology of the leopard cat *Prionailurus bengalensis* in Khao Yai National Park, Thailand. *Acta Zoologica Sinica* 53:373-377.
- Grassman, L.I., A.M. Haines, J.E. Janecka, and M.E. Tewes. 2007. Activity periods of photo-captured mammals in north central Thailand. *Mammalia* 70:306-309.

- Janecka, J.E., T.L. Blankenship, D.H. Hirth, C.W. Kilpatrick, L.I. Grassman, and M.E. Tewes. 2007. Evidence for male-biased dispersal in bobcats using relatedness analysis. *Wildlife Biology* 13:38-47.
- Janecka, J.E., C.W. Walker, M.E. Tewes, A. Caso, L.L. Laack, and R.L. Honeycutt. 2007. Phylogenetics of ocelot from the Tamaulipan Biotic Province and implications for ocelot recovery. *The Southwestern Naturalist* 52:89-96.
- Janecka, J.E., L.I. Grassman Jr., R.L. Honeycutt, W. Eiadthong, and M.E. Tewes. 2007. The use of whole genome amplified DNA for sequencing and applications to conservation genetics. *Journal of Wildlife Management* 71:1357-1360.
- Blankenship, T.L., A.M. Haines, M.E. Tewes, and N.J. Silvy. 2006. Comparing survival and cause-specific mortality between resident and transient bobcats *Lynx rufus*. *Wildlife Biology* 12:297-303.
- Grassman, L.I., J.E. Janecka, S.C. Austin, M.E. Tewes, and N.J. Silvy. 2006. Chemical immobilization of free-ranging dhole (*Cuon alpinus*), binturong (*Arctis binturong*), and yellow-throated marten (*Martes flavigula*) in Thailand. *European Journal of Wildlife Research* 55:297-300.
- Grassman, L.I., Jr., J. Janecka, and M.E. Tewes. 2006. Ecological separation of *Martes flavigula* with five sympatric mesocarnivores in north-central Thailand. Pages 63-76 in *Martes in carnivore communities: proceedings of the Fourth International Martes Symposium*, Lisbon, Portugal ( Margarida Santos-Reis, Johnny D. S. Birks, Erin C. O'Doherty, Gilbert Proulx, eds.) Alpha Wildlife Publications, Sherwood Park, Alberta, Canada.
- Haines, A.M., A. Caso, M.E. Tewes, and E.J. Redeker. 2006. Using Landsat imagery to identify potential ocelot habitat in Tamaulipas, Mexico. *Proceedings of the 20<sup>th</sup> Biennial Workshop on Aerial Photography, Videography, and High Resolution Digital Imagery for Resource Assessment #71*, Weslaco, Texas, USA.
- Haines, A.M., J.E. Janecka, M.E. Tewes, L.I. Grassman, and P. Morton. 2006. The importance of private lands for ocelot *Leopardus pardalis* conservation in the United States. *Oryx* 40:90-94.
- Haines, A.M., L.I. Grassman, M.E. Tewes, and J.E. Janecka. 2006. Results of the first ocelot (*Leopardus pardalis*) monitored with GPS telemetry. *European Journal of Wildlife Research* 52:216-218.
- Haines, A.M., M.E. Tewes, L.L. Laack, J.S. Horne, and J.H. Young. 2006. Corrigendum: Habitat based population viability analysis of ocelots in southern Texas. *Biological Conservation* 136:326-327.
- Haines, A.M., M.E. Tewes, L.L. Laack, J.S. Horne, and J.H. Young. 2006. Habitat based population viability analysis of ocelots in southern Texas. *Biological Conservation* 132:424-436.
- Heilbrun, R.D., N.J. Silvy, M.J. Peterson, M.E. Tewes. 2006. Estimating bobcat abundance using automatically triggered cameras. *Wildlife Society Bulletin* 34:69-73.
- Janecka, J.E., T.L. Blankenship, D.H. Hirth, M.E. Tewes, C.W. Kilpatrick, and L.I. Grassman Jr. 2006. Kinship and social structure of bobcats (*Lynx rufus*) inferred from microsatellite and radio-telemetry data. *Journal of Zoology ( London)* 269:494-501.
- Janecka, J.E., L.I. Grassman Jr., J.N. Derr, R.L. Honeycutt, W. Eiadthong, and M.E. Tewes. 2006. Rapid whole genome amplification of DNA from felids: applications for conservation genetics. *Wildlife Society Bulletin* 34:1134-1141.

- Grassman, L.I., Jr., M.E. Tewes, N.J. Silvy, K. Kreetiyutanont. 2005. Ecology of three sympatric felids in a mixed evergreen forest in north-central Thailand. *Journal of Mammalogy* 86:29-38.
- Grassman, L.I., Jr. M.E. Tewes, N.J. Silvy, and K. Kreetiyutanont. 2005. Spatial organization and diet of the leopard cat (*Prionailurus bengalensis*) in north-central Thailand. *Journal of Zoology, London* 266:45-54.
- Grassman, L.I., Jr., M.E. Tewes, and N.J. Silvy. 2005. Ranging, habitat use and activity patterns of binturong *Arctictis binturong* and yellow-throated marten *Martes flavigula* in north-central Thailand. *Wildlife Biology* 11:49-57
- Grassman, L.I., Jr., M.E. Tewes, N.J. Silvy, and K. Kreetiyutanont. 2005. Spatial ecology and diet of the dhole *Cuon alpinus* (Canidae, Carnivora) in north central Thailand. *Mammalia* 69:11-20.
- Grassman, L.I., Jr., M.E. Tewes, and N.J. Silvy. 2005. Armoring the Camtrakker camera-trap in a tropical Asian forest. *Wildlife Society Bulletin* 33:349-352.
- Grassman, L.I., Jr., A.M. Haines, M.E. Tewes, and N.J. Silvy. 2005. Stouffer wildlife timers as an index of vertebrate activity periods in a tropical forest. *Wildlife Society Bulletin* 33:1174-1177.
- Haines, A.M., M.E. Tewes, and L.L. Laack. 2005. Survival and sources of mortality in ocelots. *Journal of Wildlife Management* 69:255-263.
- Haines, A.M., M.E. Tewes, L.L. Laack, w.E. Grant, and J.H. Young. 2005. Evaluating recovery strategies for an ocelot population in the United States. *Biological Conservation* 126:512-522.
- Laack, L.L., M.E. Tewes, A.M. Haines, and J. Rappole. 2005. Reproductive life history of ocelots *Leopardus pardalis* in southern Texas. *Acta Theriologica* 50:505-514.
- Grassman, L.I., Jr. N. Sarataphan, M.E. Tewes, N.J. Silvy, and T. Nakanakrat. 2004. Ticks (Acari: Ixodidae) parasitizing wild carnivores in Phu Khieo Wildlife Sanctuary, Thailand. *Journal of Parasitology* 90:657-659.
- Grassman, L.I., Jr., K. Kreetiyutanont, M.E. Tewes, and N.J. Silvy. 2004. Translocation of a captive-raised leopard cat (*Prionailurus bengalensis*) in north central Thailand. *Natural History Bulletin of the Siam Society* 52:49-54.
- Grassman, L.I., Jr., S. C. Austin, M.E. Tewes, and N.J. Silvy. 2004. Comparative immobilization of wild felids in Thailand. *Journal of Wildlife Diseases* 40:575-578.
- Haines, A.M., L.I. Grassman, and M.E. Tewes. 2004. Survival of radiocollared adult leopard cats *Prionailurus bengalensis* in Thailand. *Acta Theriologica* 49:349-356.
- Harveson, P.M., M.E. Tewes, G.L. Anderson, and L.L. Laack. 2004. Habitat use by ocelots in south Texas: implications for restoration. *Wildlife Society Bulletin* 32:948-954.
- Cain, A.T., V.R. Tuovila, D.G. Hewitt, and M.E. Tewes. 2003. Effects of a highway and mitigation projects on bobcats in southern Texas. *Biological Conservation* 114:189-197.
- Heilbrun, R.D., N.J. Silvy, M.E. Tewes, M.J. Peterson. 2003. Using automatically-triggered cameras to individually identify bobcats. *Wildlife Society Bulletin* 31:748-755.
- Pence et al. 2003. Helminths of the ocelot from southern Texas. *Journal of Wildlife Diseases* 39:683-689.
- Tewes, M.E., J.M. Mock, and J.H. Young. 2002. Bobcat predation on quail, birds, and mesomammals. Pages 65-70 in S.J. DeMaso, W.P. Kuvlesky, Jr., F. Hernandez, and M.E.

- Berger, eds. Quail V: Proceedings of the Fifth National Quail Symposium 5:65-70, Texas Parks and Wildlife Department, Austin, Texas, USA.
- Tewes, M.E. 2002. Desert puma: evolutionary ecology and conservation of an enduring carnivore. *Journal Wildlife Management* (book review).
- Tewes, M.E., and R.W. Hughes. 2001. Ocelot management and conservation along transportation corridors in southern Texas. Pages 559-564 *in* G.L. Evink, editor. Proceedings of the International Conference on Ecology and Transportation, Keystone, Colorado, USA.
- Cain, A.T., V. R. Tuoyila, D.G. Hewitt, and M.E. Tewes. 2000. Bobcat response to a highway expansion in southern Texas: Are habitat fragmentation and vehicle-caused mortalities a consequence and can they managed? Pages 89-90 *in* Terry A. Messmer, and Ben West, editors. Proceedings of Wildlife and Highways: Seeking Solutions to an ecological and socio-economic dilemma. The Wildlife Society 7<sup>th</sup> Annual Conference. Nashville, Tennessee, USA. (expanded abstract).
- Harveson, L.A., M.E. Tewes, N.J. Silvy, and J. Rutledge. 2000. Prey use by mountain lions in southern Texas. *Southwestern Naturalist* 45:472-476.
- Shindle, D.B., and M.E. Tewes. 2000. Immobilization of wild ocelots with tiletamine and zolazepam in southern Texas. *Journal of Wildlife Diseases* 36:546-550.
- Walker, C.W., L.A. Harveson, M.T. Pittman, M.E. Tewes, and R.L. Honeycutt. 2000. Microsatellite variation in two populations of mountain lions (*Puma concolor*) in Texas. *The Southwestern Naturalist* 45:196-203.
- Harveson, L.A., B. Route, F. Armstrong, N.J. Silvy, and M.E. Tewes. 1999. Trends in populations of mountain lion in Carlsbad Caverns and Guadalupe Mountains National Park. *Southwestern Naturalist* 44:490-494.
- Harveson, L.A., P.M. Harveson, M.E. Tewes, J.H. Everitt, D.E. Escobar, and M.R. Davis. 1999. Using aerial videography and satellite imagery to identify riparian habitats in southern Texas. 17<sup>th</sup> Biennial Workshop on Color Photography and Videography in Resource Assessment, American Society for Photogrammetry and Remote Sensing and Department of Environmental and Resource Sciences, University of Nevada-Reno, Reno, Nevada, May 5-7.
- Tewes, M.E., E. Redeker, and N. Cook. 1999. Utility of airborne multispectral video imagery to identify cover types used by ocelots. 17<sup>th</sup> Biennial Workshop on Color Photography and Videography in Resource Assessment, American Society for Photogrammetry and Remote Sensing and Department of Environmental and Resource Sciences, University of Nevada-Reno, Reno, Nevada, May 5-7.
- Tewes, M.E., G. Portes, and A. Caso. 1999. Management and conservation of wild cats in northeast Mexico. Pages 241-248 *in* W. Hamilton and C.J. Villareal, editors. Proceeding 4<sup>th</sup> Wildlife Conservation and Management. Universidad Autonoma Agraria "Antonio Narro", Saltillo, Coahuila, Mexico.
- Hewitt, D.G., A. Cain, V. Tuovila, D.B. Shindle, and M.E. Tewes. 1998. Impacts of an expanded highway on ocelots and bobcats in southern Texas and their preferences for highway crossings. Pages 126-134 *in* G.L. Evink, P. Garrett, D. Zeigler, and J. Berry, editors. Proceedings of the International Conference on Wildlife Ecology and Transportation. FL-ER-69-98, Florida Department of Transportation, Tallahassee, Florida, USA.

- Shindle, D.B., and M.E. Tewes. 1998. Woody species composition of habitats used by ocelots (*Leopardus pardalis*) in the Tamaulipan Biotic Province. *Southwestern Naturalist* 43:273-279.
- Tewes, M.E., and D.R. Blanton. 1998. Potential impacts of international bridges on ocelots and jaguarundis along the Rio Grande wildlife corridor. Pages 135-139 in G.L. Evink, P. Garrett, D. Zeigler, and J. Berry, editors. *Proceedings of the International Conference on wildlife Ecology and Transportation*. FL-ER-69-98, Florida Department of Transportation, Tallahassee, Florida, USA.
- Harveson, L.A., M.E. Tewes, N.J. Silvy, J. Rutledge, J.H. Everitt, G.L. Anderson, D.E. Escobar, I. Cavazos, and M.R. Davis. 1997. Using remote sensing to identify mountain lion habitat in south Texas. 16<sup>th</sup> Biennial Workshop on Videography and Color Photography in Resource Assessment. American Society for Photogrammetry and Remote Sensing and U.S.D.A. Subtropical Agricultural Research Laboratory. Weslacao, Texas, USA, April 29-May 1.
- Anderson, G.L., M. Bray, D. Griffin, P.K. McDowell, W. Swanson, and M.E. Tewes. 1997. Using remote sensing and GIS to map vegetation and determine ocelot habitat. 16<sup>th</sup> Biennial Workshop on Videography and Color Photography in Resource Assessment. American Society for Photogrammetry and Remote Sensing and U.S.D.A. Subtropical Agricultural Research Laboratory. Weslacao, Texas, April 29-May 1.
- Harveson, L.A., M.E. Tewes, N.J. Silvy, and J. Rutledge. 1996. Mountain lion research in Texas: past, present, and future. *Proceedings of the 5<sup>th</sup> Mountain Lion Workshop*. San Diego, California.
- Beltran, J.F., and M.E. Tewes. 1995. Immobilization of ocelots and bobcats with ketamine hydrochloride and xylazine hydrochloride. *Journal of Wildlife Diseases* 31:43-48.
- Pence, D.B., M.E. Tewes, D.B. Shindle, and D.M. Dunn. 1995. Notoedric mange in an ocelot (*Felis pardalis*) from southern Texas. *Journal of Wildlife Diseases* 31:558-561.
- Tewes, M.E., L.L. Laack, and A. Caso. 1995. Corridor management for ocelots in the United States and northern Mexico. Pages 444-446 in J.A. Bissonette and P.R. Krausman, eds. *Integrating people and wildlife for a sustainable future*. *Proceedings of the first International Wildlife Management Congress*. The Wildlife Society, Bethesda, Md. USA.
- Young, J.H., and M.E. Tewes. 1994. Evaluation of techniques for initial restoration of ocelot habitat. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wildlife Agencies*. 31:336-342.
- Keener, J.M., and M.E. Tewes. 1994. Seed preferences of nongame birds in the Rio Grande Valley. *Proc. Annu. Conf. Southeast. Assoc. Fish and Wildl. Agencies*. 31:
- Tewes, M.E. 1994. Habitat connectivity: its importance to ocelot management and conservation. Pages 290-296 in A. Vega, ed. *Conservation corridors in the Central American Region*. *Proceedings of the Paseo Pantera Regional Conference*. Gainesville, Florida, USA.
- Navarro-Lopez, L.D., J.H. Rappole, and M.E. Tewes. 1993. Distribution of the endangered ocelot (*Felis pardalis*) in Texas and northeastern Mexico. Pages 157-169 in R.A. Medellin, and G. Ceballos, eds. *Avances en el Estudio de los Mamiferos de Mexico*. *Publicaciones Especiales*, Vol. 1. Asociacion Mexicana de Mastozoologia, A.C. Mexico, D.F.
- Tewes, M.E., L.L. Laack, A. caso, and G.T.M. Schildwachter. 1993. Corridor management for ocelots in the United States and northeast Mexico. *Proceeding International Wildlife Management Congress, 1993*, Heredia, Costa Rica.

- Tewes, M.E. 1991. Endangered species and the design of reserves. Proceedings Intl. Symp. On Wildlife, SEDUE II, Ciudad Victoria, Mexico.
- Bluett, R.D., M.E. Tewes, and B.C. Thompson. 1989. Bobcat pelt quality and temporal distribution of harvest in Texas. Proceedings Annual Conference Southeastern Association of Fish and Wildlife Agencies 43:466-469.
- Bluett, R.D., M.E. Tewes, and B.C. Thompson. 1989. Geographic distribution of commercial bobcat harvests in Texas, 1978-1986. Texas Journal of Science 41:379-385.
- Tewes, M.E., D.J. Schmidly. 1987. The Neotropical felids:jaguar, ocelot, margay, and jaguarundi. Pages 697-712 *in* Wild Furbearer Management and Conservation in North America (M. Novak, J.A. Baker, M.E. Obbard, and B. Malloch, eds.). Ministry of Natural Resources, Ontario, 1,150 pp.
- Tewes, M.E., and S.D. Miller. 1987. Future research needs for the ocelot in Texas. Pages 164-166 *in* Proceedings of the 3<sup>rd</sup> Southeastern Nongame and Endangered Wildlife Symposium (R.R. Odom, K.A. Riddleberger, and J.C. Ozier, eds.). Georgia Dept. of Nat. Resources, Athens, Georgia, 253 pp.
- Rappole, J.H., D. Navarro-Lopez, M. Tewes, and D. Everett. 1986. Remote-trip cameras as a means for surveying for nocturnal felids. Pages 45-52 *in* Nocturnal mammals: techniques for study (R.P. Brooks, ed.). School of Forest Resources Papers, Pennsylvania State Univ., University Park, 48:1-57.
- Tewes, M.E., and D.D. Everett. 1986. Status and distribution of the endangered ocelot and jaguarundi in Texas. Pages 147-158 *in* Cats of the World: Biology, Conservation, and Management (S.D. Miller, and D.D. Everett, eds.). National Wildlife Federation, Washington, D.C., 501 pp.
- Tewes, M.E. 1984. Opportunistic feeding by white-tailed hawks at prescribed burns. Wilson Bulletin 96:135-136.
- Tewes, M.E. 1984. Ground-nesting by barn owls. Raptor Research 18:36.
- Smith, J.H., D.S. Folse, E.G. Long, J.D. Christi, D.T. Crouse, M.E. Tewes, and others. 1983. Leprosy in wild armadillos (*Dasypus novemcinctus*) of the Texas Gulf Coast:epidemiology and mycobacteriology. Journal of Reticuloendothelial Society 34:75-88.

## Scientific Presentations

Number of scientific presentations since 1986 through 2020: 371

(Details of the presentations can be provided upon request.)

2020-19	2014-7	2008-8	2002-9	1996-5	1990-2
2019-33	2013-8	2007-14	2001-4	1995-10	1989-6
2018-7	2012-16	2006-14	2000-7	1994-7	1988-4
2017-29	2011-13	2005-13	1999-9	1993-3	1987-6
2016-10	2010-18	2004-21	1998-7	1992-6	
2015-15	2009-13	2003-13	1997-17	1991-8	



## Grantmanship

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Overall Grantmanship: \$6,935,673 (through 2020)  
 (Details of the grants can be provided upon request.)

### *External Grants*

Total: \$5,990,083 (1986-2020)

2020: \$387,891	2008: \$305,345	1996-1997: \$204,500
2019: \$549,572	2007: \$57,300	1995-1996: \$136,400
2018: \$374,349	2006: \$44,000	1994-1995: \$193,000
2017: \$510,220	2005: \$30,500	1993-1994: \$211,808
2016: \$175,500	2004: \$128,540	1992-1993: \$75,000
2015: \$186,000	2003: \$105,500	1991-1992: \$123,300
2014: \$138,000	2002: \$96,868	1990-1991: \$111,950
2013: \$178,670	2001: \$117,000	1989-1990: \$57,000
2012: \$226,974	2000: \$139,892	1988-1989: \$75,950
2011: \$143,600	1999: \$109,315	1987-1988: \$76,152
2010: \$357,525	1998: \$65,645	1986-1987: \$18,400
2009: \$57,500	1997-1998: \$109,917	
Undated, 1993-1997: \$100,000+ for Ocelot Genetics Project		

### *Internal Support*

Total: \$421,304 (through 2020)

2020: \$7,000	2013: \$9,797	2006: \$7,000
2019: \$7,000	2012: \$12,000	2005: \$18,000
2018: \$7,000	2011: \$20,500	2004: \$43,000
2017: \$5,000	2010: \$53,000	2003: \$48,000
2016: \$5,000	2009: \$33,000	2002: \$24,000
2015: \$5,000	2008: \$19,000	1997-2001: \$75,000
2014: \$5,000	2007: \$25,000	

### *In-Kind Support*

Total: \$524,286 (through 2020)

2020: \$5,000	2012: \$33,000	2004: \$23,000
2019: \$70,000	2011: \$50,000	2003: \$5,000
2018: \$5,000	2010: \$32,000	2002: \$8,000
2017: \$5,000	2009: \$45,000	2001: \$10,000
2016: \$27,000	2008: \$35,000	1995-2000: (not recorded)
2015: \$10,000	2007: \$45,000	1993-1994: \$19,250
2014: \$26,000	2006: \$20,000	1992-1993: \$28,000
2013: \$31,000	2005: \$23,000	1991-1992: \$5,000

## Professional Societies

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The Wildlife Society

Southwest Section of The Wildlife Society

Texas Chapter of The Wildlife Society

Cat Specialist Group, Species Survival Commission of the Intl Union for Conservation of Nature

American Society of Mammalogists

Texas Society of Mammalogists

Society for Conservation Biologists

Southwestern Association of Naturalists

### *Leadership in Professional Societies*

President- Texas Society of Mammalogists (2009-2010)

President- Texas Organization for Endangered Species (1990-91)

Secretary-Treasurer, Southwest Section of The Wildlife Society (served 1995-2000)

Board of Directors- Wild Felid Association (2009-2011)

Leader- Federal Ocelot Recovery Team (1992-2002)

Coordinator- Ocelot Translocation Working Group (2012-Present)

### *Professional Committees*

I have served on at least thirty-six (36) professional committees, including chair on thirteen (13) committees.

### *The Wildlife Society*

Member- The Wildlife Society 6<sup>th</sup> annual Conf., Exhibits and Posters Subcommittee, 1998-99

### *Texas Chapter of The Wildlife Society*

Chair-Honorary Member Committee, 2009

Chair-Site Selection Committee, 3 years: 2000-01, 2001-02, 2002-03

Chair-Nominations/Elections Committee, 1998-99

Chair-Audit Committee, 1995-96

Chair-Site Selection Committee, 1992-93

Chair-Nominations/Elections Committee, 1991-92

Chair-Site Selection Committee, 1992-93

Chair-Nominations Committee, 1991-92

Chair-25<sup>th</sup> Anniversary Program Committee, 1989-90

Chair-Audit Committee, 1987-88, 1988-89

Member-Publicity Committee, 2009-10

Member-Nominations/Elections Committee, 1997-98

Member- Publications Award Committee, 1997-98, 2000-01

Member-Local Arrangements Committee, 1997-98

Member-Site Selection Committee, 1996-97  
 Member-Publicity Committee, 1988-89, 1991-92  
 Member-Site Selection Committee, 1988-89, 1991-92  
 Member-Nominations Committee, 1990-91, 1995-96  
 Member-Local Arrangements Committee, 1989-90  
 Member- Clarence Cottam Award Guidelines Committee, 1988-89  
 Member-Education-Information Committee, 1987-88,1988-89

*Southwest Section of The Wildlife Society*

Secretary-Treasurer, 1995-2000  
 Chair-Site Selection, 1994-95  
 Member-Program Committee, 1994-95

*Southeast Section of The Wildlife Society*

Member-Nongame Committee  
 Member-Endangered Species Committee  
 Member-Furbearer Committee

*Wild Felid Association*

Member, Program Committee, 2010-2011  
 Member, Newsletter Committee  
 Member, Web Committee

## List of Wild Cat Projects- Past and Current

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*Ocelot*

Ocelot spatial ecology, social organization, and activity patterns in Texas.  
 Selection of soil types by ocelots and relevance for habitat restoration.  
 Ocelot home range patterns, activity, and habitat use in northeast Mexico.  
 Thornshrub structure and composition of ocelot habitat.  
 Microhabitat and macrohabitat selection by ocelot and bobcat.  
 Survival rates and mortality patterns for ocelot in southern Texas.  
 Reproductive ecology of ocelots in a semi-tropical environment.  
 Food habits of ocelot and possible prey competition with bobcats.  
 Use of remote sensing and satellite imagery to quantify ocelot habitat.  
 Population viability analysis to assess population persistence of ocelots in Texas.  
 Modeling of metapopulation dynamics for ocelot and the effects of recovery strategies.  
 Assessment of ocelot density and habitat area requirements within ocelot home ranges.  
 Translocation of ocelots on Laguna Atascosa Refuge.  
 Use of cameras to identify and estimate population size of ocelots.  
 Use of infrared digital videography to assess ocelot habitat.  
 Use of SPOT and LANDSAT satellite imagery to quantify ocelot thornshrub.  
 Assessment of genetic relatedness and social organization of ocelots.  
 Ocelot genetic erosion during the past century and past decade.

Estimate of effective population size of ocelots using genetics.  
 Assessment of lethal alleles and fitness correlates in an isolated ocelot population.  
 Prevalence of helminth parasites in ocelots.  
 Record of range in ocelots.  
 Evaluation of thornshrub reestablishment techniques for ocelot habitat restoration.  
 Identification of optimal sites for reestablishment of ocelot habitat.

### *Bobcat*

Bobcat foraging ecology over six years at the Welder Wildlife Refuge in southern Texas.  
 Spatial patterns and habitat use of an exploited bobcat population on Aransas Refuge.  
 Impacts of international bridges and related transportation upon bobcats along the Rio Grande.  
 Reduced home range use within agroecosystems of the Rio Grande Valley.  
 Bobcat home range and movements near Highway 281 and use of “cat tunnels”.  
 Population genetic structure and variability in southern Texas.  
 Use of remote cameras to determine individual bobcats.  
 Assessment of bobcat harvest during a 10-year period in western United States.  
 Assessment of bobcat harvest during an 8-year period in Texas.

### *Mountain lion*

Mountain lion home range, movements, and social organization in southern Texas.  
 Population trends of mountain lion in the Guadalupe Mountains.  
 Human Perception and attitudes toward mountain lion in Texas.  
 Genetic and population structure of mountain lions in Texas.  
 Comparison of historic and contemporary genetic variability of mountain lions.  
 Estimate the effective population size of mountain lions in western and southern Texas.

### *Jaguarundi*

Home range, habitat use, and activity patterns of jaguarundi in Mexico.  
 Genetic variability and population structure of jaguarundi in Mexico.  
 Sedation techniques and protocols of free-ranging jaguarundi.

### *Thailand and Taiwan Cats*

Leopard cat ecology in Thailand.  
 Leopard cat survival rates in Southeast Asia.  
 Comparative ecology of clouded leopard, Asiatic golden cat, and marbled cat in Thailand.  
 Development of sedation protocols for 4 species of Thailand cats.  
 Home range overlap of binturong, yellow-throated marten, and dhole with Thai cats.  
 Genetic variability and potential inbreeding of 3 rare felids in Thailand.  
 Photo capture, habitat use, and activity patterns of 4 species of civet cats in Taiwan.

## Service

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### *Consultantships on Endangered Cats*

Expert testimony/Sworn expert testimony requested by:

Provided affidavit, deposition, and expert court testimony in litigation involving a bobcat harvest dispute between the Michigan Bear Hunters Association and the state of Michigan (Lansing, Michigan; Nov 2005)

Texas Railroad commission Hearing, Austin; on permit examination regarding controversial coal mine near Eagle Pass, Texas.

Affidavit, Law Firm in Washington, D.C.; intracoastal dredge dumping issue in coastal Texas.

Federal Court Testimony, Pecos, Texas; trial involving international smuggling of wild cat skins.

Consultants Request for expert consultation on endangered ocelots occurred either by or for the following agencies:

*Federal*

U.S. Fish & Wildlife Service

Office of Endangered Species

Office of Scientific Authority

Cooperative Wildlife Research Units

Division of Ecological Services

Department of Defense

U.S. Army Corp of Engineers

U.S. Bureau of Land Management

U.S. Bureau of Reclamation

U.S. Department of Agriculture

U.S. Soil Conservation Service

Division of Refuge System

Division of Realty and Acquisition

Division of Law Enforcement

Animal Damage Control

Federal Aviation Administration

International Boundary and Waters  
Commission

*State*

Texas Parks and Wildlife Department

Texas Department of Agriculture

Texas Department of Highways

Texas General Land Office

*Private*

Private Environmental or Engineering Consulting Firms (M. Tewes served as subcontractor)

Blanton and Associate (Austin)

Hicks and Company (Austin)

Horizon Company (Austin)

Mariah Company (Austin)

Albert Halff Associates (Dallas)

Naismith Engineering (Corpus Christi)

Castillo Engineering (Kingsville)

Parsons Engineering (Houston)

Bechtel Engineering (San Francisco)

Michigan Bear Hunters Association

International Society for Endangered Cats  
 International Union for the Conservation of Nature & Natural Resource

*Civic Activities*

*Civic Activities for the Youth*

President, Wild Cat Conservation, Inc., a nonprofit benefitting wild cat conservation  
 Manager and Coach, National Little League Baseball (T-ball)  
 Coach, Girls Basketball, Boys and Girls Club, Kingsville (ages 11-12)  
 Judged several elementary and middle school science fairs  
 Presentations to several classes, school groups, scout groups....  
 Member, King High School Band Booster Club  
 Member, Girl Scouts of America  
 Served on the Board of Directors, Paisano Council of Girl scouts (south Texas Region)  
 Served on the School Board of the Epiphany Episcopal School, Kingsville  
 Served on the Long-range Planning Committee, Epiphany Episcopal School, Kingsville  
 Served on the Grants Committee, Epiphany Episcopal School, Kingsville

*Other Civic Activities*

Member of First United Methodist Church, Kingsville  
 Administrative Board, First United Methodist Church, Kingsville  
 Pastor-Parish Committee  
 Member, Kingsville Chapter of the Navy League  
 Member, Texas A&M University-Kingsville-Javelina Athletics Club

*Invited to serve Advisory Boards and Committees*

Federal Recovery Team for the Endangered Ocelot and Jaguarundi, U.S. Fish and Wildlife  
 Service (1993-present, chair 1993-2000)  
 Ocelot Translocation Working Group (2008-present)  
 Board of Directors, Wild Felid Association (2007-present)  
 Jaguar Scientific Advisory Committee, invitation from Dept. of Game & Fish, State of Arizona  
 Borderland Cats Advisory Panel  
 Research Advisory Board, International Society for Endangered Cats  
 Laguna Madre Binational Advisory Committee  
 State Mammal Working Committee, Texas Parks and Wildlife Department  
 Endangered Resources Technical Advisor, Resource Protection Division, Texas Parks and  
 Wildlife Department  
 Endangered Species Advisory Council, Pride of Texas Conservation Fund, Fort Worth  
 Advisory Board, South Texas Private Lands Initiative, Nature Conservancy  
 Advisor/Consultant, Texas Zoo Consortium on Captive Ocelot Management  
 Advisory Board, Mountain Lion Research and Management Program, Texas Parks and Wildlife  
 Department

*Texas Organization for Endangered Species:*

Presidential Officer (3-yr. term as officer)

President-elect  
 President  
 Past President (3-yr. term)  
 Committees  
 Chair-Awards Committee  
 Chair-Nominations Committee  
 Chair-Program Committee  
 Chair-Local Arrangements Committee  
 Member-Future Directions Committee  
 Member-Steering Committee  
 Member-Endangered Species Act Committee  
 Member-Animal Technical Committee  
 Member-Communities Technical Committee  
 Member-Plant Technical Committee  
 Member-Animal Technical Committee  
 Member-Communities Technical Committee

#### *Media Coverage*

*Television (28 different programs or segments)*

*Radio Interviews (8)*

#### *Magazine articles (by external authors)*

*Smithsonian*. Not a lot of ocelots. (June 2002)

*Audubon*. The ghost cat's ninth life. (July-August, 2000) (p. 71-77)

*Texas Parks and Wildlife Magazine*. Rare beauty of the thornshrub. (2000) (p. 15)

*National Wildlife Magazine*. Cat on the spot. (June/July, 1994) (32:34-37)

*Sports Afield*. The wild cats of North America. (July, 1993)

*Discovery Magazine*. Land of five cats. (fall, 1993)

*National Geographic*. Photo with caption about M. Tewes and Texas A&I Univ. (June, 1985)

*National Wildlife Magazine*. (ca. 1983)

*Texas Monthly Magazine*. Phantom cat of the Valley. (June, 1983)

*Audubon*. Creatures Column- endangered small wild cats. (May, 1983)

*Southern Living*

*Garbage Recycling Magazine*

*Defenders of Wildlife*

*Ranger Rick* (children's wildlife magazine)

Numerous passages in books (state, national) and articles in newspapers covering research about the ocelot, mountain lion, and Thailand cats.

## Awards and Honors

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Educator of the Year Award, Texas Chapter of The Wildlife Society (Feb, 2020)

Best Technical Publication Award, Texas Chapter of The Wildlife Society (Feb, 2020)

Annual Faculty Lecture for Texas A&M University-Kingsville (April 2019)

Outstanding Service Award, Texas Chapter of The Wildlife Society (Feb 22, 2013)  
 Publication Award, Texas Chapter of The Wildlife Society (Feb 22, 2013)  
 Publication Award- "George Miksch Sutton Award in Conservation Research"- Southwestern Association of Naturalist, April 2010.  
 Holder, The Frank Daniel Yturria Endowed Chair for Wild Cat Studies, Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville. September 2008 to Present.  
 Regents Professor designation by the Board of Regents of the Texas A&M University System, 2007 to Present  
 Mid-Career Alumni Achievement Award, College of Nat Resources, Univ. of Idaho, April 08  
 Publication Award- "Best Scientific Article" for "Ecology of three sympatric felids in a mixed evergreen forest in north-central Thailand. Journal of Mammalogy 86:29-38." Texas Chapter of The Wildlife Society, South Padre Island, February 2006  
 Invited speaker at the Coastal Bend Photo Contest Banquet- gave tribute to Dr. Lynn Drawe, Director, Welder Wildlife Refuge, October 2006  
 Senior Researcher Award, College of Agri. & Human Sciences, Texas A&M-Kingsville, 2004  
 Publication Award, Texas Chapter of The Wildlife Society, Tyler, March 2003  
 Invited as Plenary Speaker for the 37<sup>th</sup> Annual Meeting of the Texas Chapter of The Wildlife Society, March 2002  
 Invited as Plenary Speaker for the 6<sup>th</sup> Mountain Lion National Conference, 2000  
 Javelina Alumni Association's Distinguished Research Award, Texas A&M University- Kingsville, May 1997  
 The Lotty Award, Endangered Species Conservation Federation, August 1992  
 Conservation Award, U.S. Committee of the United Nations Environment Programme, Capitol Hill, Washington, D.C., Sept. 1991  
 Chevron Conservation Award, Washington, D.C., May 1991  
 Wildlife Conservationist of the Year, Sportsmen Conservationists of Texas, Austin, April 1991  
 Publication Award, Texas Chapter of The Wildlife Society, Tyler, April 1991  
 Certified Wildlife Biologist, The Wildlife Society, Washington, D. C., April 1991  
 1<sup>st</sup> Recipient of Faculty Service Award, College of Agriculture and Human Sciences, 1991  
 Keynote speaker for the Texas Mammal Society Annual Conference, 1988

## Teaching

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### *Courses*

Member of the Graduate Faculty, Texas A&M University-Kingsville (1987-Present)  
 Affiliate member of the Graduate Faculty, Texas A&M University, College Station (1995-2006)

Courses which I have taught in the past or currently teaching.

WSCI 6372- Wildlife Conservation Biology  
 RWM 595- Advanced Problems Course  
 RWM 5372- Wildlife Conservation Biology  
 RWM 502- Biopolitics and Public Relations  
 RWM 590- Topics in Conservation Biology  
 RWM 310- Wildlife Mgt Techs (team taught)