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Regents Professor, Texas A&M University System
 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

1981 - Certified Wildlife Biologist; 1977 - Member of The Wildlife Society

ACADEMIC HISTORY

Sep. 1986-Present Caesar Kleberg Wildlife Res. Inst., CKWRI, Texas A&M Univ.-Kingsville

Sep. 2008-Present Frank Daniel Yturria Endowed Chair in Wild Cat Studies, CKWRI

Dec. 2007-Present Regents Professor, CKWRI and Texas A&M University System

Sep. 1995-2007 Professor, CKWRI

Sep. 1989-Sep. 1995 Associate Professor/ Associate Research Scientist, CKWRI

Sep. 1986-Sep. 1989 Assistant Research Scientist, CKWRI

Sep. 1986-Present Coordinator of the Feline Research Program, CKWRI

Sep. 1984-Sep. 1986 PhD Student, University of Idaho, Dissertation about Ocelot Ecology

Oct. 1981-Sep. 1984 Research Associate, CKWRI, Texas A&M University-Kingsville

Summary of Ocelot Expertise: 43 years of ocelot research and conservation experience (1981-2024) including over 50 scientific articles, over 400 scientific presentations, over 150 popular articles, and over \$12 million funding. Expert Consultant for Private/NGO groups (12), state (4) and federal (17) agencies. Leader, Federal Ocelot Recovery Team I (1993-2000); Member, Federal Ocelot Recovery Team II (2003-Present). Only continuous member of both Federal Ocelot Recovery Teams over 30 years.

SCIENTIFIC PUBLICATIONS

Journal Articles

Sergeyev M, EP Tanner, MJ Cherry, JV Lombardi, TA Campbell, ME Tewes. 2023. Influence of abiotic factors on habitat selection of ocelots and bobcats: testing the interactive range limit theory. *Frontiers in Ecology & Evolution Front. Ecol. Evol.*, 29 November 2023 Sec. Conservation and Restoration Ecology Volume 11 - 2023 | <https://doi.org/10.3389/fevo.2023.1166184>

Sergeyev, M, DA Crawford, JD Holbrook, JV Lombardi, ME Tewes, TA Campbell. 2023. Selection in 3D: Assessing individual variation in habitat selection of ocelots, bobcats, and coyotes using LiDAR-derived canopy metrics. *Remote Sensing in Ecology and Conservation* 15 November 2023 <https://doi.org/10.1002/rse2.369>

Sergeyev, M, MJ Cherry, EP Tanner, JV Lombardi, ME Tewes, TA Campbell. 2023. Multiscale selection and avoidance of carnivores by endangered ocelots. *Scientific Reports Sci Rep* **13**, 8882 (2023). <https://doi.org/10.1038/s41598-023-35271-9>

Sergeyev M, JV Lombardi, ME Tewes, TA Campbell. 2023. Ocelots in the moonlight: influence of lunar phase on habitat selection and movement of two sympatric felids. *PLOS One* Published: November 30, 2023 <https://doi.org/10.1371/journal.pone.0286393>

Branney AB⁺, S Carvajal⁺, Lombardi JV⁺, WC Stasey, ME Tewes, A Caso. 2023. Community structure, spatial and temporal overlap of a diverse carnivore guild in the Sierra Tamaulipas, Mexico. *Global Ecology and Conservation*. Volume 44, August 2023, e02493 <https://doi.org/10.1016/j.gecco.2023.e02493>

Lombardi JV⁺, TJ Yamashita⁺, A Blackburn, JH Young Jr, ME Tewes, CJ Anderson. 2023. Examining the Spatial Structure of Woody Cover Within a Highway Road Effect Zone for Ocelots in Texas. *Urban Ecosystems Urban Ecosyst* **26**, 1057–1069. <https://doi.org/10.1007/s11252-023-01350-y>

Yamashita TJ, DB Wester, JH Young Jr, ME Tewes, JV Lombardi. 2023. Distinguishing buildings from vegetation in an urban-chaparral mosaic landscape. *Remote Sensing* 15:1703 <https://doi.org/10.3390/rs15061703>

Lombardi JV, M Sergeyev, LR Schofield, ME Tewes, RN Wilkins. 2023. Spatial capture recapture and LiDAR-derived canopy metrics reveal high ocelot densities on Texas ranchlands. *Frontiers in Conservation Science Front. Conserv. Sci.*, 14 December 2022 Sec. Animal Conservation Volume 3 - 2022 | <https://doi.org/10.3389/fcsc.2022.1003044>

Branney, A.B., S. Carvajal, J.V. Lombardi, W.C. Stasey, M.E. Tewes, A. Caso. 2023. Jaguars, ocelots, coatimundis...oh my: species composition and temporal overlap of a diverse carnivore guild in the Sierra of Tamaulipas, Mexico. *Global Ecology and Conservation* 44, e02493

Lombardi, J.V., T.J. Yamashita, A. Blackburn, J.H. Young, Jr., M.E. Tewes, and C.J. Anderson. 2023. Examining the spatial structure of woody cover within a highway road effect zone for ocelots in Texas. *Urban Ecosystems* <https://doi.org/10.1007/s11252-023-01350-y>

Blackburn, A., A.M. Veals, M.E. Tewes, D.B. Wester, J.H. Young, Jr., R.W. DeYoung, and H.L. Perotto-Baldivieso. 2022. If you build it, will they come? A comparative landscape analysis of ocelot roadkill locations and crossing structures. *PLOS ONE* 17(5), e0267630.

Kays R., M.V. Cove, J. Diaz, ...J.V. Lombardi, M. Sergeyeve, M.E. Tewes, et al. 2022. SNAPSHOT USA 2020: A second coordinated national camera trap survey of the United States during the COVID-19 Pandemic. *Ecology* 103(10), e3775.

Korn, J.M., J.D. Ray, L.M. Thurmond, M.E. Tewes, and R.S. Matlack. 2022. Long dispersal distances of three male bobcats in Texas. *The Southwestern Naturalist* 66(3):261-264.

Lombardi J.V., A.M. Haines, G.W. Watts, III, L.I. Grassman Jr., J.E. Janečka, A. Caso, S. Carvajal-Villareal, Z.M. Wardle, T.J. Yamashita, W.C. Stasey, A.B. Branney, D.G. Scognamillo, T.A. Campbell, J.H. Young, Jr., M.E. Tewes. 2022. Status and distribution of jaguarundi in northeastern Mexico and Texas: making the case for extirpation and recovery in the United States. *Ecology and Evolution* 12(3), e8642.

Lombardi J.V., H.L. Perotto-Baldivieso, D.G. Hewitt, D.G. Scognamillo, T.A. Campbell, M.E. Tewes. 2022. Assessment of appropriate species-specific time intervals to integrate GPS telemetry data in ecological niche models. *Ecological Informatics* 70, 101701.

Lombardi J.V., M. Sergeyeve, L.R. Schofield, M.E. Tewes, R.N. Wilkins. 2022. Spatial capture-recapture and LiDAR-derived canopy metrics reveal high ocelot densities on Texas ranchlands. *Frontiers in Conservation Science* 3, 136.

Sergeyeve M., J.D. Holbrook, J.V. Lombardi, M.E. Tewes, and T.A. Campbell. 2022. Behaviorally mediated coexistence between ocelots, bobcats, and coyotes using hidden Markov models. *Oikos* 2022:e09480.

Veals, A.M., J.D. Holbrook, A. Blackburn, C.J. Anderson, R.W. DeYoung, T.A. Campbell, J.H. Young, Jr., and M.E. Tewes. 2022. Multiscale habitat relationships of a habitat specialist over time: the case of ocelots in Texas from 1982 to 2017. *Ecosphere* 13(8), e4204.

Veals, A.M., J.D. Holbrook, M.J. Cherry, T.A. Campbell, J.H. Young, Jr., and M.E. Tewes. 2022. Landscape connectivity for an endangered carnivore: habitat conservation and road mitigation for ocelots in the US. *Landscape Ecology* 1-19.

- Blackburn, A. L.J. Heffelfinger, A.M. Veals, M.E. Tewes, J.H. Young, Jr., 2021. Cats, cars, and crossings: the consequences of road networks for the conservation of an endangered felid. *Global Ecology and Conservation* 27 [https://doi.org/10.1016/j/gecco.2021.01582](https://doi.org/10.1016/j.gecco.2021.01582)
- 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. 2021. Landscape patterns of ocelot-vehicle collision sites. *Landscape Ecology*. DOI: <https://doi.org/10.1007/s10980-020-01153-y>
- Lombardi, J.V., H.L. Perotto-Baldivieso, M. Sergeev, A.M. Veals, L. Schofield, J.H. Young, and M.E. Tewes. 2021. Landscape structure of woody cover patches for endangered ocelots in southern Texas. *Remote Sensing* 13, 4001: 13pp. <https://doi.org/10.3390/rs13194001>
- Lombardi, J.V., M.E. Tewes, W.C. Stasey, A. Caso, and S. Carvajal-Villareal. 2021. Ocelot density and habitat use in tropical deciduous forests in the Sierra Tamaulipas, Mexico. *Journal of Mammalogy* 103:57-67.
- MacKenzie, D.J., J.V. Lombardi, and M.E. Tewes. 2021. A note on investigating co-occurrence patterns and dynamics for many species, with imperfect detection and a log-linear modeling parameterization. *Ecology and Evolution* 11:8507-8515.
- 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. 37th 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. Blankenship, 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 20th century linked to human induced population reductions. *PLOS One* DOI: 10.1371/journal.pone.0089384.
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- 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.
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- 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.
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- 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.
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- 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.
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- 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.
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- 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.
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- 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.
- 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 3rd 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.

Book Chapters/Reviews

- 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.

- Tewes, M.E. 2002. Desert puma: evolutionary ecology and conservation of an enduring carnivore. *Journal Wildlife Management* (book review).
- 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.

Awards and Honors

- Honorary Alumni Award for National and International Achievements, College of Natural Resources, University of Idaho, Mar. 2023
- Educator of the Year Award, Texas Chapter of The Wildlife Society, Feb. 2020
- Best Popular Article Award, Texas Chapter of The Wildlife Society, Feb. 2020
- Selected as the 37 Annual Faculty Lecture Texas A&M University-Kingsville, Apr. 8, 2019
- Honorary Membership Award, Texas Society of Mammalogists, Feb. 2018
- Best Popular Article Award, The Wildlife Professional-TWS, TX Chap. of The Wildlife Soc., 2018
- Best Scientific Article Award, Texas Chapter of The Wildlife Society, 2016
- 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 Naturalists, Apr. 2010.
- Holder, The Frank Daniel Yturria Endowed Chair for Wild Cat Studies, Caesar Kleberg Wildlife Research Institute, Texas A&M University-Kingsville. Sep. 2008 to Present.
- Regents Professor, by the Board of Regents, the Texas A&M University System, 2007 to Present.
- Mid-Career Alumni Achievement Award, College of Nat Resources, Univ. of Idaho, Apr. 2008.
- 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, Feb. 2006
- Invited speaker at the Coastal Bend Photo Contest Banquet - gave tribute to Dr. Lynn Drawe, Director, Welder Wildlife Refuge, Oct. 2006
- Senior Researcher Award, College of Agri. & Human Sciences, Texas A&M-Kingsville, 2004
- Publication Award, Texas Chapter of The Wildlife Society, Tyler, Mar. 2003
- Invited as Plenary Speaker for the 37th Annual Meeting of the Texas Chapter of The Wildlife Society, Mar. 2002
- Invited as Plenary Speaker for the 6th 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, Aug. 1992
- Conservation Award, U.S. Committee of the United Nations Environment Programme, Capitol Hill, Washington, D.C., Sep. 1991

Chevron Conservation Award, Washington, D.C., May 1991
 Wildlife Conservationist of the Year, Sportsmen Conservationists of Texas, Austin, Apr. 1991
 Publication Award, Texas Chapter of The Wildlife Society, Tyler, Apr. 1991
 1st Recipient of Faculty Service Award, College of Agriculture and Human Sciences, Texas A&M
 University at Kingsville, 1991
 Keynote speaker for the Texas Mammal Society Annual Conference, 1988
 Certified Wildlife Biologist, The Wildlife Society, Washington, D. C., Apr. 1981

Scientific Presentations

Number of scientific presentations since 1986 through 2023: 433

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

2023-6

| | | | | | |
|---------|---------|---------|---------|---------|--------|
| 2022-21 | 2016-10 | 2010-18 | 2004-21 | 1998-7 | 1992-6 |
| 2021-35 | 2015-15 | 2009-13 | 2003-13 | 1997-17 | 1991-8 |
| 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 |

Grantsmanship

Overall Grantsmanship: \$12,155,271 (through 2023)

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

External Grants

Total: \$10,670,931 (1986-2023)

2023: 4,074,223

| | | |
|-----------------|----------------------|----------------------|
| 2022: 606,625 | 2009: \$57,500 | 1996-1997: \$204,500 |
| 2021: \$508,750 | 2008: \$305,345 | 1995-1996: \$136,400 |
| 2020: \$387,891 | 2007: \$57,300 | 1994-1995: \$193,000 |
| 2019: \$549,572 | 2006: \$44,000 | 1993-1994: \$211,808 |
| 2018: \$374,349 | 2005: \$30,500 | 1992-1993: \$75,000 |
| 2017: \$510,220 | 2004: \$128,540 | 1991-1992: \$123,300 |
| 2016: \$175,500 | 2003: \$105,500 | 1990-1991: \$111,950 |
| 2015: \$186,000 | 2002: \$96,868 | 1989-1990: \$57,000 |
| 2014: \$138,000 | 2001: \$117,000 | 1988-1989: \$75,950 |
| 2013: \$178,670 | 2000: \$139,892 | 1987-1988: \$76,152 |
| 2012: \$226,974 | 1999: \$109,315 | 1986-1987: \$18,400 |
| 2011: \$143,600 | 1998: \$65,645 | |
| 2010: \$357,525 | 1997-1998: \$109,917 | |

Undated, 1993-1997: \$100,000+ for Ocelot Genetics Project

Internal Support

Total: \$451,304 (through 2023)

| | | |
|----------------|----------------|---------------------|
| 2023: \$10,000 | | |
| 2022: \$10,000 | 2014: \$5,000 | 2006: \$7,000 |
| 2021: \$10,000 | 2013: \$9,797 | 2005: \$18,000 |
| 2020: \$7,000 | 2012: \$12,000 | 2004: \$43,000 |
| 2019: \$7,000 | 2011: \$20,500 | 2003: \$48,000 |
| 2018: \$7,000 | 2010: \$53,000 | 2002: \$24,000 |
| 2017: \$5,000 | 2009: \$33,000 | 1997-2001: \$75,000 |
| 2016: \$5,000 | 2008: \$19,000 | |
| 2015: \$5,000 | 2007: \$25,000 | |

In-Kind Support

Total: \$604,286 (through 2023)

| | | |
|----------------|----------------|---------------------------|
| 2023: \$25,000 | | |
| 2022: \$20,000 | 2013: \$31,000 | 2004: \$23,000 |
| 2021: \$35,000 | 2012: \$33,000 | 2003: \$5,000 |
| 2020: \$5,000 | 2011: \$50,000 | 2002: \$8,000 |
| 2019: \$70,000 | 2010: \$32,000 | 2001: \$10,000 |
| 2018: \$5,000 | 2009: \$45,000 | 1995-2000: (not recorded) |
| 2017: \$5,000 | 2008: \$35,000 | 1993-1994: \$19,250 |
| 2016: \$27,000 | 2007: \$45,000 | 1992-1993: \$28,000 |
| 2015: \$10,000 | 2006: \$20,000 | 1991-1992: \$5,000 |
| 2014: \$26,000 | 2005: \$23,000 | |

Professional Societies

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 Comparative and Integrative Biology

Southwestern Association of Naturalists

Leadership in Professional Societies

Member, Federal Ocelot Recovery Team II (2003-Present)

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 I (1992-2002)

Coordinator- Ocelot Translocation Working Group (2012-2013)

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 6th 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-25th 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

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 mange 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.

Leopard

Country-level population estimate for leopards in Botswana, Southern Africa

Jungle Cat

Occupancy of jungle cats in the Hula Valley and Jordan River Corridor of northern Israel

Service

Outreach and Education

Popular Presentations

Popular presentations to technical and non-technical audiences: 189 (through 2013)
 (Details of the popular presentations can be provided upon request)

| | | | | |
|---------|---------|---------|---------|---------|
| 2013-8 | 2007-5 | 2001-10 | 1995-3 | 1989-14 |
| 2012-11 | 2006-7 | 2000-5 | 1994-7 | 1988-8 |
| 2011-9 | 2005-11 | 1999-3 | 1993-7 | 1987-7 |
| 2010-15 | 2004-4 | 1998-NA | 1992-7 | |
| 2009-7 | 2003-0 | 1997-2 | 1991-8 | |
| 2008-13 | 2002-6 | 1996-NA | 1990-12 | |

Popular Articles

Popular articles (35) to semi-technical and lay audiences. (through 2011)

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)

International Society for Endangered Cats

International Union for the Conservation of Nature & Natural Resource

Naismith Engineering (Corpus Christi)

Castillo Engineering (Kingsville)

Parsons Engineering (Houston)

Bechtel Engineering (San Francisco)

Michigan Bear Hunters Association

High Road, Inc.

University Committees

Summary of Committee-Years (1 committee for 1 year) (updated Jan 2010):

Number of "committee-years": 130

university level:33

college level:36

departmental:61

University Level

Honorary Degree Committee (chair 2008-10, member 1993-94)
 Regents Professor Selection Committee (chair 2008, member 2009, 2010)
 Faculty Developmental Leave Committee (chair 2008-09, member 2007-08, 2009-10)
 President's Senior Faculty Advisory Committee (member 2008-09)
 Advisory Committee for Faculty Tenure Appeals (chair 2008)
 Selection Committee for Head Librarian (member 2007-08)
 University Promotion Committee (member 2002, 2005, 2006)
 Annual Faculty Lecture Committee, Member (2004-05)
 University Research Council (chair, 2002-04)
 Faculty Senate Grievance Committee (1995-97)
 Institutional Animal care and Use Committee (chair 1994-95, 1987-1995)
 Traffic Appeals Committee (member 1990-93)
 Annual Faculty Lecture Committee (member 1993-94, 2003-2004)

College Level

Post-tenure Review Committee (2007)
 Promotion Committee (chair 1996-98, 2000-01; member: 1995-96, 1998-00, 2001-04, 06-07)
 Tenure Committee (chair 1995-96, member 2000-01)
 Faculty Awards Committee (chair 2005-06)
 Search Committee for Statistician Position (2004-06)
 Search Committee, Development Officer Search Committee (chair, 1999)
 Search Committee, GIS Lab Coordinator position (chair, 1999)
 Search Committee (for Kuvlesky position)
 Competitive Scholarship/Fellowship Committee (1993-94, 94-95, 2001-10)
 Faculty Candidate Selection Committee (1993)
 Faculty and Staff Awards Committee (1991-92)
 Faculty Award of Excellence Committee (1990-91)
 State Employee Charitable Campaign committee (chair for 3 yrs)

Departmental Level

Promotion Committee (AWS) (1996-2010)
 Tenure Committee (AWS) (1996-2010)
 Joint Ph.D. Program Council Committee (member 1997-2005)
 Search Committee for Statistician Position (chair 2004-2006)
 Library Resources Committee (Chair, AWS) (1992-2001)
 Library Resources Committee (Chair, CKWRI) (1994-2001, 2005-10)
 Strategic Plan Committee (AWS) (1993-94)
 25% Teaching/Tenure Committee (CKWRI) (1988-89)

*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

Advisory Board for the College of Natural Resources, University of Idaho (2011-2020)
 Federal Recovery Team II for the Endangered Ocelot, U.S. Fish and Wildlife Service (2003-Present)
 Federal Recovery Team I 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)

1997-2007

Texas Country Reporter (May 07)

South African film crew visited and developed piece for Nature Program in Africa (Feb 07)

TV piece: Channel 10 (CBS) in Corpus Christi about CKWRI 25th Anniv. (Moore tape) (2006)

TV Interview: Channel 3 (ABC) in Corpus Christi regarding Dr. Drawe Tribute (Calallen) (06)

TV Interview: Channel 10 (CBS) in Corpus Christi regarding Dr. Drawe Tribute (Calallen) (06)

Richard Moore television interview regarding Yturria Ranch (2005)

NBC, Channel 6 local news, Corpus Christi- interview about jaguarundi sighting (2004)

Jack Hannah syndicated program-segment seen by 66 countries (1998)

Texas Parks and Wildlife weekly program- ocelot research on Yturria Ranch (*ca.* 1997)

Postal Service national segment on the ocelot stamp (1996)

Houston PBS segment (*ca.* 1996)

Richard Moore television interview (sometime between 1997-2001)

Before 1995

16 Television Interviews on Endangered Species Issues:

National: 1994 / Texas: 1994

Corpus Christi (7): 1992, 1991 (2), 1987, 1986 (2), 1982

Rio Grande Valley (4): 1994, 1992, 1989, 1988

El Paso: 1990 / Midland: 1983 / Odessa: 1983

Radio Interviews (8)

Tewes, M. Endangered ocelots, part 1. Passport to Texas radio program (2009)

Tewes, M. Endangered ocelots, part 2. Passport to Texas radio program (2009)

Tewes, M. The cougar in the Hill Country and Texas KKYX radio farm program (2009)

Tewes, M. Black panthers as myth in Texas. KKYX radio farm program (2009)

Public Broadcasting service (Todd Mundt Show, U.S. distribution)

Bill Morrill program in San Antonio

Corpus Christi station
Rio Grande Valley station

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.

Teaching

Graduate Students

Chair, Past Graduate Student Committees – 33 Graduated

Aidan Blackburn Branney. Dec 2022. Bobcat Use of Restored and Managed Tracts in Southern Texas. Thesis

Maksim Sergejev. Dec 2022. Fine scale Habitat Use and Movement of Ocelots and Bobcats. Dissertation

Amanda Veals. Dec 2021. Resource Selection and Landscape Connectivity of the Ocelot (*Leopardus pardalis*) in Southern Texas. Dissertation. Dissertation

AnnMarie Blackburn. Aug 2020. Influence of Roads and Landscape Features on the Spatial Ecology and Mortality of Ocelots in South Texas. Thesis

Jason Lombardi. May 2020. Factors of Ocelot Occupancy in South Texas. Dissertation

Dan Taylor. 2017. Genetic analysis of bobcat (*Lynx rufus*) and ocelots (*Leopardus pardalis*) in a fragmented landscape using noninvasive sampling. Dissertation

Gordon Wesley Watts III. May 2015. Bobcat Response to Drought in a Semi-Arid Environment. Thesis

John Leonard. Dec 2016. Home Range Characteristics, Activity Patterns, and Resource Selection of Sympatric Ocelots (*Leopardus pardalis*) and Bobcats (*Lynx rufus*) and Major Histocompatibility Complex Variation in Ocelots. Dissertation

Jennifer Marie Korn. Dec 2013. Genetic Pedigree and Prey Dynamics of Ocelot and Fine Scale Movement Patterns of Bobcats in South Texas. Dissertation

- William Chad Stasey. May 2012. Evaluating Translocation Strategies for Ocelots in the Tamaulipan Biotic Province. Dissertation
- Arturo Caso. Aug 2013. Spatial Differences and Local Avoidance of Ocelots (*Leopardus pardalis*) and Jaguarundi (*Puma yaguarundi*) in Northeast Mexico. Dissertation
- Sasha Carvajal Villarreal. May 2016. Selected Ecological Patterns and Distribution of Fire Sympatric Felids in Northeastern Mexico. Dissertation
- Joe Holbrook. 2011. Historic genetic variability and effective population size of cougars in Texas. (Co-advisory Randy DeYoung) (M.S., Aug 2011)
- John Young. 2009. Estimating mountain lion (*Puma concolor*) population parameters in Texas. Dissertation
- Jan Janecka. 2006. Conservation genetics, population structure, and genetic erosion in ocelots of the Tamaulipan Biotic Province. Dissertation
- Aaron Haines. 2006. Viability analysis, population persistence, and recovery alternatives of the relict ocelot population in the United States. Dissertation
- Lon Grassman, Jr. 2004. Selected ecological patterns of the clouded leopard, golden cat, marbled cat, and leopard cat in Phu Khieo Wildlife Sanctuary, Thailand. (Ph.D., May 2004)
- Jennifer Mock. 2004. Spatial ecology and habitat use patterns of an unharvested bobcat population on the Aransas National Wildlife Refuge. (M.S., Aug. 2004)
- Sean Austin. 2002. Ecology of sympatric carnivores in Khao Yai National Park, Thailand. (Ph.D., Dec. 2002)
- Mei-Ting Chen. 2002. Activity patterns and habitat use of sympatric small carnivores at low elevations in southern Taiwan. (M.S., Dec. 2002)
- Iliana Pena. 2002. Assessing public knowledge, attitudes, and beliefs regarding mountain lions in Texas. (M.S., Aug. 2002)
- Terry Lynn Blankenship. 2000. Ecological response of bobcats to fluctuating prey populations on the Welder Wildlife Foundation Refuge. (Ph.D., May 2000)
- Nathan Sean Cook. 2000. Utility of multispectral digital aerial videography and SPOT satellite imagery in identification of ocelot cover types. (M.S., Aug. 2000)
- Clay V. Fischer. 1998. Habitat use by free-ranging felids in an agroecosystem. (M.S., Dec. 98)
- Jon Stuart Horne. 1998. Habitat partitioning of sympatric ocelot and bobcat in southern Texas. (M.S., May 1998)
- Christopher Warren Walker. 1997. Patterns of genetic variation in ocelot (*Leopardus pardalis*) populations for south Texas and northern Mexico. (Ph.D., Dec. 1997)
- Louis Allen Harveson. 1997. Ecology of a Mountain Lion Population in Southern Texas. Dissertation
- Patricia Harveson. 1996. Using GIS to analyze habitat selection by ocelot and bobcat populations in south Texas. (M.S., Dec. 1996)
- Jody Lee May. 1996. Population size and distribution of cactus ferruginous pygmy-owls in Brooks and Kenedy Counties, Texas. (M.S., May 1996)
- David Brian Shindle. 1995. Habitat use of ocelots in the Tamaulipan Biotic Province. (M.S., Dec. 1995)
- Arturo Caso. 1994. Home range and habitat use of three neotropical carnivores in northeast Mexico. (M.S., Dec. 1994)

John Hillis Young, Jr. 1992. Development of techniques to establish thorn shrub seedlings for restoration of ocelot habitat. (M.S., Aug. 1992)

Jon Michael Keener. 1990. Focal attraction of nongame birds in the Rio Grande Valley. (M.S., Dec. 1990)

Member, Graduate Student Committees

Elizabeth Bates. 2008. Community ecology of reddish egrets. Texas A&M University-Kingsville. (Ph.D., in progress)

Elizabeth Bates. 2007. Genetic variability in reddish egrets. Texas A&M University-Kingsville. (M.S., 2007)

Patti Schlottman. 2005. Use of environmental enrichment to reduce stress captive exotic felids. Texas A&M University-Kingsville. (M.S., in progress)

Heilbrun, Richard. 2002. Use of remote cameras to assess bobcat population estimates. Texas A&M University-College Station. (M.S., 2002)

Nellis, Daniel. 2000. Predation on leatherback turtle hatchlings at Sandy Point National Wildlife Refuge. Texas A&M University-Kingsville. (M.S., May 2000)

Cain, Alan Thomas. 1999. Bobcat use of highway crossing structures and habitat use near a highway expansion in southern Texas. Texas A&M University-Kingsville. (M.S., Dec. 99)

Tuovila, Valerie Rose. 1999. Bobcat movements and survival near U.S. Highway 281 in southern Texas. Texas A&M University-Kingsville. (M.S., Dec. 1999)

McCoid, Michael James. 1997. Interactions of *Carlia* cf. *fusca* (Scincidae) with the herpetofauna of Guam. Texas A&M University-Kingsville. (M.S., Dec. 1997)

Snodgrass, Keri. 1997. Food habits of coyotes (*Canis latrans*) on barrier islands. Texas A&M University-Corpus Christi. (M.S., May 1997)

Supervised

Post-doctoral Fellows and Research Associates:

Arturo Caro, Lon Grassman, Mark Asleson, Juan Beltran, Bob Bluett, Linda Laack, Greg Schildwachter

Research Interns, Temporary Workers, and Volunteers:

Jill Barbour, Tricia Bothwell, Manuel Camargo, Joe Devine, Cody Moore, Sonia Najera, Charlie Reed, Alma Ripps, Chip Ruthven, Juan Saldivar, John Watson

Courses

Member of the Graduate Faculty, Texas A&M University-Kingsville (1987-2010)

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)

