

CURRICULUM VITAE

Spring 2010

Jack C. Turner

Professor of Biology
Department of Biological Sciences
Sam Houston State University
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Education

Doctor of Philosophy, Biology/Physiology (Dr. V.H. Shoemaker / R. Ruibal, advisor).
University of California, Riverside, CA (1973)

Thesis: Water, energy and electrolyte balance in the desert bighorn sheep, *Ovis canadensis cremnobates*.

Master of Arts, Zoology (Drs. L. McClanahan / B. H. Brattstrom, advisors). California State University, Fullerton, CA (1969)

Thesis: Physiological ecology of the great horned owl (*Bubo virginianus*):
Physiogenesis of Homeothermy

Bachelor of Arts, Biology. California State University, Fullerton, CA (1966)

Academic Teaching Assignments (SHSU)

Department of Biological Sciences

Teaching/Research Professor

—BIO 134 Contemporary Biology

—BIO 162 General Zoology

—BIO 266 Cell Biology and Genetics

—BIO 344 General Physiology

—BIO 346 (NUS 346) Pathophysiology

—BIO 495 Physiological Ecology of Southwest Desert Plants & Animals

University Administrative Assignments

Director, Medical & Allied Health Programs

Director, Joint Admissions Medical Program

COA&S BioHazard Officer

University Radiation Safety Officer

Departmental Administrative Assignments

Chair, Department Promotion and Tenure Advisory Committee (2010)

Chair, Performance Evaluation of Tenured Faculty Committee (2009)

Chair, Space Committee (2006–Current)

Chair, Curriculum Committee (2006–2009)

College Curriculum Committee (2006–2009)

Graduate Student Activity

- Jessica Jemison; MS Thesis Advisor; Graduated (2007); Effects of vegetation on mammal diversity
Joyce Brod; Thesis Advisor; Rodent filarial parasite load
Edward Tivador; Graduate Committee Member; Physiological ecology of toads
Jeffery Goessling; Graduate Committee Member; Physiological ecology of the Aruba rattlesnake

Peer-Reviewed Publications

- Turner, J.C.** 200X. Ixodid Tick (Acari: Ixodidae) Survey in Southeastern Texas Southern Pine Forest. *Journal of Medical Entomology*. (*Accepted for Publication*).
- Turner, J.C.** and J.O. Hall. 2009. Brain acetylcholinesterase activity of the American pronghorn antelope (*Antilocapra americana*) collected from the U.S. Army Dugway Proving Ground, Utah. *European Journal of Wildlife Research* 55(4):525–530.
- Turner, J.C.** and J. Cano. 2008. Demodectic Mange in a White-tailed Deer (*Odocoileus virginianus*) from Walker County, *Journal of Medical Entomology*. *Journal of Medical Entomology* 45(3): 572-575
- Cain, J.W. III, P.R. Krausman, S.S. Rosenstock, and **J.C. Turner**. 2006. Mechanisms of thermoregulation and water balance in desert ungulates. *Wildlife Society Bulletin* 34(3): 570-581.
- Turner, J.C.**, C.L. Douglas, C.R. Hallum, P.R. Krausman, and R.R. Ramey. 2005. Ostermann's assumption of a flawed habitat model is premised on facts not in evidence: Turner et al. (2005) response to Ostermann et al. (2005). *Wildlife Society Bulletin* 33(4): 1465-1473.
- Cain, J.W. III, P.R. Krausman, S.S. Rosenstock, and **J.C. Turner**. 2005. Literature review and annotated bibliography: water requirements of desert ungulates. United States Geological Survey Open File Report SBC-SDRS-2005-1003. United States Geological Survey, Open- File Report 2005–1141, U.S. Geological Survey, Southwest Biological Science Center, Sonoran Desert Research Station, University of Arizona, Tucson, AZ. pp111.
- Turner, J.C.**, C.L. Douglas, C.R. Hallum, P.R. Krausman, and R.R. Ramey. 2004. Determination of critical habitat for the endangered Nelson's bighorn sheep in southern California. *Wildlife Society Bulletin*. 34(2): 427-448.
- Turner, J.C.** 1984. Seasonal variation of red blood cell survival in desert bighorn sheep. *Canadian Journal of Zoology* 62(7): 1226-1231.
- Turner, J.C.** 1984. Diurnal periodicity of plasma cortisol and corticosterone in desert bighorn sheep (*Ovis canadensis cremnobates*) demonstrated by radioimmunoassay. *Canadian Journal of Zoology* 62(12): 2659-2665.
- Turner, J.C.** 1983. A field laparotomy technique for observing the reproductive tract of free-ranging desert bighorn sheep, *Ovis canadensis cremnobates*. *Theriogenology* 19(6): 787-794.
- White, Y., T. Hoage, **J.C. Turner**, and J. Bishop. 1983. Ultrastructure of adrenal reticularis and sertoli cells in sterile male mice. *E.M.S.A. Proc.* 41: 770-771.

- Andrews, A., T. Hoage, **J.C. Turner**, and J. Bishop. 1983. Ultrastructure of pituitary gonadotroph secretion and Leydig cells in sterile male mice. *E.M.S.A. Proc.* 41: 768-769.
- Turner, J.C.** and J. Payson. 1982. Antibody prevalence against selected infectious disease agents in desert bighorn sheep, *Ovis canadensis cremnobates*, herds of the Santa Rosa Mountains, California. *Journal of Wildlife Disease* 18(2): 243-245.
- Turner, J.C.** 1982. A modified Cap-Chur dart for marking desert bighorn sheep. *Journal of Wildlife Management* 46 (2): 553-557.
- Turner, J.C.** 1982. Chronic cranial osteitis in a Rocky Mountain bighorn sheep. *Journal of Wildlife Disease* 8(3): 373-379.
- Thompson, R. and **J.C. Turner**. 1982. Geographic variation in the breeding and lambing seasons of bighorn sheep. *Canadian Journal of Zoology* 60(8): 1781-1793.
- Turner, J.C.** and J. Payson. 1982. The occurrence of selected infectious diseases in the desert bighorn sheep, *Ovis canadensis cremnobates*, herds in the Santa Rosa Mountains, California. *California Fish and Game* 68(4): 235-243.
- Turner, J.C.** 1981. Physiogenesis of endothermy and its relation to growth in the great horned owl, *Bubo virginianus*, *Comparative Biochemistry & Physiology* 68A(2): 167-173.
- Turner, J.C.** 1981. Radio-telemetry analysis of habitat utilization by the Santa Rosa Mountain desert bighorn sheep, *Ovis canadensis cremnobates*. *National Geographic Society Research Reports* 13: 635-640.
- Turner, J.C.** 1979. Osmotic fragility of the red blood cells of dehydrated desert bighorn sheep. *Comparative Biochemistry & Physiology* 64A(1): 167-175.
- Turner, J.C.** 1979. Seasonal changes in the fatty acid composition of desert bighorn sheep bone marrow. *Comparative Biochemistry & Physiology* 62A(1) :599-604.
- Turner, J.C.** 1978. Chlorinated hydrocarbon residues in perianal fat of desert bighorn sheep. *Bulletin of Environmental Contamination & Toxicology* 19(1): 23-31.
- Turner, J.C.** 1978. Transplacental movement of organochloride residues in desert bighorn sheep. *Bull. Bulletin of Environmental Contamination & Toxicology* 21(1-2): 116-124.
- Turner, J.C.** 1977. Cemental annulations as an age criterion in North American sheep. *Journal of Wildlife Management* 41(2): 211-217.
- Turner, J.C.** 1976. Reproductive biology of the desert bighorn ram *Ovis canadensis nelsoni* and *O. c. cremnobates*: Initial investigations. *Proceedings of the Northern Wild Sheep Council*. 22-25p.
- Turner, J.C.** 1970. Water consumption of desert bighorn sheep. *Transactions of the Desert Bighorn Council*. 14: 189-197.

Chapters

- Turner, J.C.** 1976. Bighorns. Chapter 12 *In: Deep Canyon, A wilderness for science.* University of California, Riverside.
- Turner, J.C.**, and R. Weaver. 1980. Water relations of desert bighorn sheep. Chapter 7 *In: Desert Bighorn Sheep, its life history, ecology, and management.* G. Monson and L. Sumner, Eds. University of Arizona Press, Tucson. (pp.370).

Turner, J.C., and C.G. Hansen. 1980. Reproduction in desert bighorn sheep. Chapter 10
In: Desert Bighorn Sheep, its life history, ecology, and management. G. Monson
and L. Sumner, Eds. University of Arizona Press, Tucson. (pp.370).

Presentations/Posters

Turner, J.C. 2005. Phenology of Ixodid ticks (Acari: Ixodidae) and their relationship to zoonotic risk in a southeastern Texas Southern Pine forest rural–urban interface. 52nd Annual meeting of Southwestern Association of Naturalists. Sam Houston State University, Huntsville, TX (14–17 April).

Turner, J.C. and R.R. Ramey. 2004. Critical Habitat for Peninsular Ranges Bighorn Sheep: Logistic Regression and GIS Analysis of Essential Habitat Features in the Northern Santa Rosa Mountains, Riverside County, CA. Carlsbad Office of the U.S. Fish and Wildlife Service, Carlsbad, CA (26 May 2004).

Turner, J.C. 2004. Critical Habitat for Peninsular Ranges Bighorn Sheep; Cause for Invoking the “No may effect ...” to Avoid Section 7 Consultations. U.S. Army Corps of Army Engineers, South Pacific Division, 911 Wilshire Avenue, Los Angeles, CA (29 April 2004).

Turner, J.C. and J. Cano. 2004. Demodectic Mange in a White-tailed Deer (*Odocoileus virginianus*) from Walker County, Texas. Meeting of the Southwestern Association of Parasitologists. University of OK Field Research Station, Lake Texoma, OK. (22–24 April 2003).

Turner, J.C. 2004. Water balance strategies in response to dehydration in the Gulf Coast toad, *Bufo valliceps*. 51st Meeting of the Southwestern Association of Naturalists, University of Oklahoma, San Antonio, TX (15–17 April 2004).

Turner, J.C. 2004. Distribution and mitigation of the federally endangered Lyon's Pentachaeta (*Pentachaeta lyonii*) distribution in Los Angeles and Ventura Counties, California. Sensitive Species Workshop sponsored by California Department of Fish and Game, U.S. Fish and Wildlife Service, and California Natural Diversity Database. Four Points Ventura Harbortown Hotel (12-13 March 2004).

Turner, J.C. and J. Cano. 2003. Movement and reproduction in an over-abundant rural Texas white-tailed deer herd. Poster presentation at 50th Anniversary Meeting of the Southwestern Association of Naturalists, University of Oklahoma, Norman, OK (17-19 April 2003).

Turner, J.C. and K. Sommerfeld. 2003. Online Course Management: WebCT, Blackboard, Course Compass. Oral presentation and poster presented to Strategies for Teaching Success Conference and Workshop, hosted by Benjamin Cummings and the Department of Biology and Biochemistry, University of Houston, TX, 28-29 March, University of TX.

Turner, J.C. 2003. Use of "Best Scientific and Commercial Information" in the Determination of Critical Habitat for Nelson's bighorn sheep. Poster and paper presented to a colloquium on the endangered bighorn sheep in the Peninsular Ranges hosted by the City of Palm Springs at the O'Donnell Country Club, Palm Springs, CA (07-08 March 2003). This meeting assembled a nationally distinguished panel of bighorn biologists (myself included) to interface with the

senior regional and sectional administrators of the U.S. Fish and Wildlife Service, Bureau of Land Management, U.S. Forest Service, National Park Service and National Monuments. The colloquium was requested to provide input to Mr. Steven Griles, Assistant Interior Secretary and his staff regarding impending litigation on the USFWS designation of critical habitat for Nelson's bighorn sheep. The colloquium included half a day of field and site visits to local bighorn habitat and non-habitat.

- Turner, J.C.**, C.R. Hallum, and R. Rush. 2003. Critical Habitat Determination for Endangered Peninsular Ranges Bighorn Sheep, *Ovis canadensis nelsoni*. Poster to be presented to the 106th Annual Meeting of the Texas Academy of Science, 27 February–01 March 2003 at Stephen F. Austin University, Nacogdoches, TX.
- Hallum, C.R., **J.C. Turner**, and R. Rush. 2003. Logistic Regression Analysis for Critical Habitat of the Nelson Bighorn Sheep, *Ovis canadensis nelsoni*. Poster to be presented to the 106th Annual Meeting of the Texas Academy of Science, 27 February–01 March 2003 at Stephen F. Austin University, Nacogdoches, TX.
- Rush, R., **J.C. Turner**, and C.R. Hallum. 2003. GIS-Based Habitat Model to Determine Critical Habitat for the Endangered Peninsular Ranges Bighorn Sheep, *Ovis canadensis nelsoni*. Poster to be presented to the 106th Annual Meeting of the Texas Academy of Science, 27 February–01 March 2003 at Stephen F. Austin University, Nacogdoches, TX.
- Turner, J.C.** 2002. Preprofessional Advisement Strategies for 2002/2003. Presentation to Students, and Administration, 06 November 2002 at Blinn College, Brenham, TX.
- Turner, J.C.** 2002. Habitat modeling for the Peninsular Range Bighorn Sheep: A Tool for Wise Rural Development. Building Industry Association for the Coachella Valley, Palm Desert, CA.
- Turner, J.C.** 2002. Logical Evaluation and Designation of Critical Habitat for the Endangered Peninsular Range Bighorn Sheep, *Ovis canadensis nelsoni*. Invited presentation to the Palm Springs, California City Council, Planning Commission, Mayor, and Mayoral Staff.
- Hoffpauir, D.R., **J.C. Turner**, and R. Rush. 2002. Application of GIS to Habitat Modeling of Nelson's Bighorn Sheep, *Ovis canadensis nelsoni*, in Southern California. Presented at the 49th Annual Meeting of The Southwestern Association of Naturalists, 25-27 April 2002 at Universidad Autónoma del Estado de Morelos, Cuernavaca, Morelos, México.
- Turner, J.C.** 2002. Critical Habitat Evaluation for an endangered population of Nelson's Bighorn Sheep, *Ovis canadensis nelsoni*, in the Peninsular Ranges of Southern California. Presented at the 49th Annual Meeting of The Southwestern Association of Naturalists, 25-27 April 2002 at Universidad Autónoma del Estado de Morelos, Cuernavaca, Morelos, México.
- Turner, J.C.**, and P. Krausman. 2002. The Endangered Species Act, Habitat Conflicts, Desert Land Use, Impacts Mitigations and Nelson's Bighorn Sheep (*Ovis canadensis nelsoni*) in the Peninsular Ranges of California. Presented to the U.S. Fish and Wildlife Service, CA and the California Department of Fish and Game, San Diego, CA.

- Turner, J.C.**, C. Douglas, and T.L. Leslie. 2002. Bighorn Sheep Habitat Model for the San Jacinto Mountains. Presented to the U.S. Fish and Wildlife Service, California Department of Fish and Game, Coachella Valley Coalition, Bureau of Indian Affairs, and representatives of the Palm Springs City Administration, Palm Springs, CA.
- Rice, M., and **J.C. Turner**. 2001. Virtual GIS Imagery: A novel approach to Habitat Modeling and Evaluation. Presented November 2001 at Southwest Texas State University.
- Kremer-Goodell, S., C. White, and **J. Turner**. 1998. Prey selection of Great Horned Owls (*Bubo virginianus*) in relation to military activity on Dugway Military Proving Ground, Dugway, UT. Trans. Nat. Raptor Assoc. Annual Meeting (June 1998).
- Stephens, R.K., **Turner, J.C.**, and Barber, T.E. 1997. Determination of carbamate pesticides using solid phase extraction and high performance liquid chromatography with fluorescence detection. Texas Academy of Sciences Annual Meeting, Sam Houston State University, 7 March 1997.
- Cheshire, C.M., **Turner, J.C** and Freile, D. 1996. Comparison of trace metal analysis of blood and tissue of wild animals from a pristine and contaminated site. American Chemical Society in Houston, TX; 17-19 October) Abstract and paper reviewed and published in meeting transactions.
- Stephens, R.K., **Turner, J.C.**, and Barber, T.E. 1996. Technique for the determination of carbamate pesticides in animal blood serum and tissue. American Chemical Society, Houston, TX; 17-19 October) Abstract and paper reviewed and published in meeting transactions.
- Dominey S., Johnson, M., **Turner, J.C.**, and Hoage, T. 1990. LM and TEM analysis of *Bufo valliceps* integumentary glands. (Presented by students Dominey and Johnson at the Spring meeting of the Texas Society for Electron Microscopy in Kerrville, TX.) (Abstract and paper reviewed and published in meeting transactions).

Research Monographs and Technical Reports:

- Turner, J.C.** 2007. Faculty Development Leave (2006-2007). Assessment of contamination to ESA Endangered Vernal Pools resulting from potentially toxic golf course runoff. U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service.
- Turner, J.C.** 2007. U.S. Army Corps of Engineers and California Department of Fish and Game jurisdictional delineation for APN parcel #105-201-097, Williams Canyon, Orange County, CA.
- Turner, J.C.** 2007. Presence / Absence Spring survey of special status biological resources at New Perris, with reference to the Western Riverside County Multiple Species Habitat Conservation Plan. City of Perris, Riverside County, California.
- Turner, J.C.** 2007. Written review of U.S. Fish and Wildlife Service Proposed Rule to revise the taxonomy and designation of Critical Habitat for desert bighorn sheep in the Peninsular Ranges (a Distinct Vertebrate Population Segment or DPS), as published in the Federal Register on 10 October 2007 (72 FR 57740; October 10, 2007).

- Turner, J.C.** 2006. Review and analysis of existing Nelson's bighorn sheep (*Ovis canadensis nelsoni*) distribution data obtained from the United States Fish and Wildlife Service. Jeffer, Mangels, Butler & Marmaro LLP; Cox, Castle & Nicholson LLP; City of Palm Springs.
- Turner, J.C.** and P. Vergne. 2006. Biological assessment of existing wildlife resources on the proposed Warrior Golf project site in Moreno Valley, Riverside Co., CA.
- Turner, J.C.** 2006. Assessment of the success of construction mitigations on targeted resources at Sycamore Ranch, Fallbrook, Riverside Co., CA.
- Wegscheider, F. and **J.C. Turner.** 2006. 90-Day Report of dry-season vernal pool branchiopod sampling for the Sunset Crossroads Project Site in Riverside Co., CA; Conducted Under The Endangered Species Act Section 10(A)(1)(A) Permit # TE-038716-0. U.S. Fish and Wildlife Service, Carlsbad Office, CA and Lennar Communities Inland, Corona, CA.
- Wegscheider, F. and **J.C. Turner.** 2006. 90-Day report of wet-season vernal pool branchiopod sampling for the Sunset Crossroads Project Site in Riverside Co., CA; Conducted Under The Endangered Species Act Section 10(A)(1)(A) Permit # TE-038716-0. U.S. Fish and Wildlife Service, Carlsbad Office, CA and Lennar Communities Inland, Corona, CA.
- Turner, J.C.** 2005. Habitat and habitat use by Nelson's bighorn sheep (*Ovis canadensis nelsoni*) in Chino Canyon, Riverside Co., CA. Jeffer, Mangels, Butler & Marmaro LLP; Cox, Castle & Nicholson LLP; City of Palm Springs.
- Turner, J.C.** and H.M. Strozier. 2005. Integrated golf course pest management plan (IGCPMP) for Landmark Golf of Hemet, Riverside County, CA. Heartland Ventures, L.L.C., Oceanside, CA., U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service.
- Vergne, P. and **J.C. Turner.** 2005. Los Angeles pocket mouse, *Perognathus longimembris brevinasus*, and other potential sensitive small mammal species presence-absence trapping studies for Sunset Crossroads Project Site, located in Riverside Co., CA. Lennar Communities Inland, Corona, CA.
- Ramey, R.R. and **J.C. Turner.** 2005. Potential impact of geotechnical activities proposed Eagle Canyon Dam and detention basin, Riverside Co. CA: Issues of encroachment into the critical habitat of Nelson's bighorn sheep in the Peninsular Ranges; A federal Endangered Act listed species. A Report for Riverside County Flood Control & Water Conservation District, Project No. 6-0-0190.
- Arnold, B., S.W. Carothers, and **J.C. Turner.** 2004. Biological Assessment of Habitat for Species within the Draft Coachella valley MSHCP Conservation Areas, Coachella Valley, Riverside County, California. Report to Venable LLP, Washington D.C. pp 62 +11 Figs.
- Turner, J.C.** and T. Leslie. 2004. Assessment of Existing Biological Conditions at Sunset Crossroads, Banning, Riverside County, CA. Report to Lennar and Associates, and SAGE Community Group. pp 50 + Appendices A-E.
- Leslie, T. and **J.C. Turner.** 2004. Jurisdictional Delineation: Preliminary findings of U.S. Army corps of Engineers, California Department of Fish and Game and

- California Water Quality Control Board Jurisdiction at Sunset Crossroads, Banning, Riverside County, CA. Report to SAGE Community Group. pp 46 + Exhibits 1–5.
- Turner, J.C.** 2001-2003. Provided written review for the City of Palm Springs, CA: Palm Hills Specific Site Plan, Santa Rosa Mountains, Riverside County, California. Environmental Impact Evaluation Report, Section 5.10 Biological Resources; Impacts; Mitigations. Requested by the City of Palm Springs, Planning Commission; H. Strozier, Esq., TPA, Inc., Costa Mesa, CA, J. Schlect, Esq., Palm Spring, CA, and Dudek and Associates, Palm Springs, CA.
- Leslie, T., and **J.C. Turner**. 2003. Survey of the Sensitive Wildlife species of the Alberhill Ranch, Riverside County, California with particular reference to California Gnatcatcher (*Polioptila californica*), Orange-throated Whiptail (*Cnemidophorus hyperythrus*), San Diego Horned Lizard (*Phrynosoma coronatum blainvillei*), Stephen's Kangaroo Rat (*Dipodomys stephensi*), Western Spadefoot Toad (*Scaphiopus hammondi*), and the Quino Checkerspot Butterfly (*Euphydryas editha quino*). Report is submitted to California Department of Fish and Game and USFWS for review and placed into the public record.
- Ramey R.R., H. M. Strozier, and **J.C. Turner**. 2003. Response to comments from Defenders of Wildlife, Sierra Club, U.S. Fish and Wildlife, California Department of Fish and Game and the Cahuilla Native American Tribal Council on wildlife issues within the Environmental Impact Report for the Palm Hills Land Company. Our responses were vetted by Cox Castle & Nicholson LLP, Los Angeles, CA and will be published to the public record early in 2004.
- Turner, J.C.**, H. Strozier, D. Joseph. 2003. Assessment for Sensitive Resources in the Monte Serrano Region of the Santa Rosa Mountains, Riverside County, CA. Bighorn Sheep. Report submitted to City of Palm Springs, California Department of Fish and Game, U.S. Fish and Wildlife Service, Cahuilla Native American Tribal Council, and placed into public record.
- Turner, J.C.** and R.R. Ramey. 2003. Assessment for Bighorn Habitat by GPS Modeling in the Cornish at Bighorn region of the Santa Rosa Mountains, Riverside County, CA. Report submitted to City of Palm Desert, California Department of Fish and Game, U.S. Fish and Wildlife Service, and placed into the public record.
- Turner, J.C.**, H. Strozier. 2003. Biotic Assessment and Report of Sensitive Resource Surveys for Live Oak Ranch, Los Angeles County, CA. Report submitted for review to the Sage Community Group, U.S. Army Corps of Engineers, U.S. Fish and Wildlife, and California Department of Fish and Game.
- Turner, J.C.**, H. Strozier, M. Logan, L. Malessa. 2003. Focused Surveys for the Federally Endangered Lyon's Pentachaeta (*Pentachaeta lyonii*) and the threatened Santa Monica Mountains Dudleya (*Dudleya cymosa ovatifolia*) on the Triangle Ranch, Los Angeles County, CA. Report is submitted for review to the Sage Community Group, California Department of Fish and Game and USFWS and placed into the public record.
- Turner, J.C.** and L. Neal. 2001. Camp Navajo: A Cultural Resources Survey of 25,000 Acres of the Western Mogollon Rim at Bellemont, Coconino County, Arizona 383pp + Fig & Appendices. Report initially reviewed and accepted by U.S.

- Army, Office of Environmental Affairs; Department of Defense; and Arizona State Historic Preservation Office March 2001. Final Report accepted January 2002.
- Turner, J.C.** 2001. Provided written review of: U.S. Fish and Wildlife Service. Economic Impacts of Critical Habitat Designation for Bighorn Sheep in the Peninsular Ranges, CA.
- Turner, J.C.** 2001. Provided written review of: U.S. Fish and Wildlife Service. Economic Impacts of Critical Habitat Designation of the Arroyo Southwestern Toad (*Bufo microscaphus californicus*).
- Turner, J.C., R. Musi, P.J. White, K. Bagdonas, and S. Kremer.** 1999. Environmental Studies at the U.S. Army Dugway Proving Ground, Tooele County, Dugway, Utah: I. Mourning Dove and Song Bird Response to Army National Guard Training; II. Canid Community Ecology and Response to Army National Guard Training; III. Incidental Lepidopteran Response to Army National Guard Training; IV. Raptor Nesting Ecology and Food Habits in Relation to Army National Guard Training; and V. Analysis of Xenobiotic Compounds Isolated from pronghorn Antelope (*Antilocapra americana*) serum. 165pp + Figs & Appendices. Final Report reviewed and accepted by DoD/U.S. Army and Utah Division of Wildlife, January 1999. (Reviewed by the Office of Environmental Affairs, Department of Defense)
- Turner, J.C.** 1991. Guidelines for use of human subjects in research at Sam Houston State University. In-house Sam Houston State University Faculty Senate review; recommended for, and adopted by Sam Houston State University over the signature of Dr. B.K. Marks, Vice President for Academic Affairs and Student Services. 50pp.
- Hoage, T., **Turner, J.C.**, and Bishop, J. 1984. Genetic, ultrastructural, and endocrine changes in sterile male F₁ progeny of triethylenemelamine treated parents: I. Pituitary—Gonadal Axis. Final Report to National Center for Toxicological Research, Jefferson, AR. 18pp + 12 fig.
- Turner, J.C.**, Hoage, T., and Bishop, J. 1984. Genetic, ultrastructural, and endocrine changes in sterile male F₁ progeny of triethylenemelamine treated parents: II. Adrenal—Gonadal Axis. Final Report to National Center for Toxicological Research, Jefferson, AR. 25pp + 18 Fig.

Internal / External Funding

TOTAL INTERNAL / EXTERNAL FUNDING APPROXIMATING: \$ 1,550,000

- 2009-2010: Scholarship enabling two SHSU students to participate in a Kaplan Program MCAT Review. Award Budget: \$3912 FUNDED
- 2009-2010: Joint Admissions Medical Program (JAMP); State scholarship program for financially disadvantaged students including administration expenses. Entitlement. Proposed Administrative Budget: \$15,000 FUNDED
- 2008-2009: Joint Admission Medical Program Grant to Sam Houston State University. State Grant to Undergraduate Programs for to assist

	qualified financially disadvantaged students seeking Texas Medical School admission. Proposed Administrative Budget:	\$21,000	FUNDED
2006-2007:	<u>Full Year Faculty Development Leave Funded Research</u>		
A.	Turner, J.C. Seasonal variation of vegetation and wildlife in the northern Santa Rosa Mountains with particular reference to the desert bighorn sheep, an ESA listed species. Proposed Budget:	\$100,000	FUNDED
B.	Turner, J.C. Survey for ESA listed species and invasive exotic species on the north and west portion of the Island of Lanai, Hawaii. Funded Dole Pineapple (Castle & Cooke, Inc.). Proposed Budget:	\$37,000	FUNDED
C.	Turner, J.C. Assessment of vernal pool contamination from Landmark Golf Course runoff. Funded Heartland/MSK Realty Ventures. Proposed Budget:	\$47,000	FUNDED
2002:	Turner, J.C. U.S. Army, Camp Navajo, Coconino County, AZ Funded through SHSU/TRIES. Proposed Budget:	\$11,300	FUNDED
2001:	Turner, J.C. Redirected academic time allocation for research. Funded through SHSU/TRIES. Proposed Budget:	\$7,000	FUNDED
2000:	Turner, J.C. Developed and wrote Scope of Work for: Acetylcholinesterase Titers from Pronghorn Antelope, <i>Antilocapra americana</i> , Tissues Collected at the U.S. Army Dugway Proving Ground, Dugway, UT. Proposed Budget:	\$1,000	FUNDED
1998:	Turner, J.C. Developed, wrote, and coordinated the Scope of Work for: Analysis of Toxic Residues in the Serum of Feral Horses at Dugway Proving Grounds, Tooele Co., UT. Funded through SHSU/TRIES. Proposed Budget:	\$35,000	FUNDED
1997:	Turner, J.C. Redirected academic time allocation for research: Texas Research Institute for Environmental Studies Buy-out. Funded through SHSU/TRIES. Proposed Budget:	\$5,051	FUNDED
1996:	Turner, J.C. Redirected academic time allocation for research: Texas Research Institute for Environmental Studies Buy-out. Funded through SHSU/TRIES. Proposed Budget:	\$10,462	FUNDED
1995:	Turner, J.C. Redirected academic time allocation for research: Texas Research Institute for Environmental Studies Buy-out. Funded through SHSU/TRIES. Proposed Budget:	\$27,783	FUNDED
1994:	Turner, J.C. Redirected academic time allocation for research: Texas Research Institute for Environmental Studies Buy-out. Funded through SHSU/TRIES. Proposed Budget:	\$26,532	FUNDED
1994:	Turner, J.C. Developed, wrote, and coordinated and implemented the Scope of Work for: Analysis of Toxic Residues in a Secondary Consumer, the Pronghorn Antelope, <i>Antilocapra americana</i> , at Dugway Proving Grounds, Tooele Co., UT. Funded through SHSU/TRIES. Proposed Budget:	\$35,000	FUNDED
1994:	Turner, J.C. Developed, wrote, and coordinated the Scope of Work and Memorandum of Agreement for an environmental		

assessment and bio-monitoring program at the U.S. Army Dugway Proving Grounds, Tooele County, UT. The project was multifaceted and included an assessment of various military activities (past and present) on: I. Raptor Nesting Ecology, Food Habits & Prey Identification; II. Monitoring Avian Productivity & Survivorship; III. Canidae Distribution & Habitat Management (Gray, Red, Kit Foxes and Coyote). Project was staffed with one Post-Doctorate Fellow and four (4) full time field staff employees. Funded through SHSU/TRIES.

- Proposed Budget: \$410,000 FUNDED
- 1993: **Turner, J.C.** Developed, wrote and coordinated the Scope of Work and Memorandum of Agreement for the TRIES—U.S. Navy Contract N68711-94-D-1790 (New Environmental Technology) for the Eradication of avian Nuisance Using UHF Sound Waves. Proposed Budget: \$35,000 (Demonstration), \$250,000 (Implementation). Project was discontinued after one year due to a change in the military’s budgeting funding priorities. Demo Proposed Budget: \$35,000 FUNDED
- 1993: **Turner, J.C.** Redirected academic time allocation for research. Funded through SHSU/TRIES. Proposed Budget: \$4,975 FUNDED
- 1993: **Turner, J.C.** Co-developed and wrote (with M. Thies) the Scope of Work and Memorandum of Agreement for the “Complete Floral and Faunal Survey of the U.S. Army National Guard Activity; Camp Navajo, Coconino County, Bellemont, AZ. Submitted through SHSU/TRIES. Proposed Budget: \$300,000 FUNDED
- 1993: **Turner, J.C.** Developed, wrote and coordinated the Scope of Work and Memorandum of Agreement for the “Cultural and Historical Survey and Development of the Cultural Resource Management Plan for Camp Navajo (U.S. Army National Guard) Coconino County, Bellemont, AZ. Project embraced a Class III Archeological Survey and incorporation of previously conducted ethnographic, archaeological, and historic buildings surveys into a Cultural Resource Management Plan (CRMP). Proposed Budget: Phase I - \$60,000; Phase II - \$70,000; Phase III - \$154,000; Phase IV - Cultural Resource Management Plan (CRMP) - \$30,000. Submitted through SHSU/TRIES. Proposed Budget: \$428,261 FUNDED
- 1992: Investigative team member charged with evaluating the Microtox Toxicity Test System for the Texas Research Institute for Environmental Studies Analytical Laboratory.. Funded through SHSU/TRIES. Proposed Budget: \$34,200 FUNDED
- 1991: **Turner, J.C.** Sam Houston State University Faculty Research. Noninvasive cortisol determination as an index of chronic stress

in a threatened species: The desert bighorn sheep, *Ovis canadensis cremnobates*. Proposed Budget: \$7,500 FUNDED

Personal & Professional Growth and Development

- 41st Annual Texas Association of Advisors to the Health Professions. Overton Hotel and Convention Center, Lubbock TX. February 10-12, 2010.
- Joint Admission Faculty Director's State Meeting at the Overton Hotel and Convention Center, Lubbock TX. February 10, 2010.
- 24th Annual Career & Education Day. Presented by the Houston Hispanic Forum. Panel Session: Medical Career Paths at Sam Houston State University. George R. Brown Convention Center, 09 January 2010.
- Texas Education Agency, Texas Science, Technology, Engineering & Mathematics; Testimony on behalf of SHSU for Huntsville ISD Panel Hearing for Program Grant. 07 December 2009, Austin, Texas. \$600,000 grant awarded to HISD.
- Distance Education and Learning Technologies for Academics, Online Faculty Certification Sam Houston State University, 30 October 2009.
- Joint Admission Faculty Director's Regional Meeting at the University of Texas Health Science Center Houston Medical School, Houston, TX. 20 August 2009.
- 3rd Annual CLE Conference: Endangered Species Act, La Quinta, California, May 18–19, 2009.
- 40th Annual Texas Association of Advisors to the Health Professions. Texas A&M University Health Science Center, College of Medicine, College Station, TX. February 5-7, 2009.
- Joint Admission Faculty Director's State Meeting at the Texas A&M University Health Science Center, College of Medicine, College Station, TX. February 5, 2009.
- 6th Annual Joan Coffey Symposium and the 1st Annual Medicine and the Social Sciences and Humanities Conference, April 16-17, 2009 Sam Houston State University, Huntsville, Texas. Session Moderator.
- Joint Admission Faculty Director's Regional Meeting at the University of Texas Health Science Center Houston Medical School, Houston, TX. 21 August 2008.
- CLE International, Endangered Species Act and Habitat Conservation Planning Conference. Tucson, AZ. November 14-15, 2002.
- 8th Annual International Conference on Endangered Species Act. 14-15 November 2002 at Sheraton El Conquistador Resort and Country Club in Tucson, AZ. Invited Participant.

National/International Scientific Peer Review Panels

- United States Environmental Protection Agency, Office of Research and Development, National Center for Environmental Research and Quality Assurance; Peer Review Division, Washington, D.C. 20460. March 3–5, 2004. STAR Fellowships —Zoology (4—F3) Peer Review Panel.
- United States Environmental Protection Agency, Office of Research and Development, National Center for Environmental Research and Quality Assurance; Peer Review

- Division, Washington, D.C. 20460. March 2002. STAR Fellowships —Vertebrate Biology (2—F3) Peer Review Panel.
- United States Environmental Protection Agency, Office of Research and Development, National Center for Environmental Research and Quality Assurance; Peer Review Division, Washington, D.C. 20460. March 2002. STAR Fellowships —Ecology (3—F3) Peer Review Panel.
- United States Environmental Protection Agency, Office of Research and Development, National Center for Environmental Research and Quality Assurance; Peer Review Division, Washington, D.C. 20460. February 2001. STAR Fellowships —Zoology (K1) Peer Review Panel.
- United States Environmental Protection Agency, Office of Research and Development, National Center for Environmental Research and Quality Assurance; Peer Review Division, Washington, D.C. 20460. February 2001. STAR Fellowships —Entomology (K3) Peer Review Panel.
- United States Environmental Protection Agency, Office of Research and Development, National Center for Environmental Research and Quality Assurance; Peer Review Division, Washington, D.C. 20460. January 1999. Endocrine Disruptor Peer Review Panel.
- United States Environmental Protection Agency, Office of Research and Development, National Center for Environmental Research and Quality Assurance; Peer Review Division, Washington, D.C. 20460. May 1997. Endocrine Disruptor Peer Review Panel.
- United States Environmental Protection Agency, Office of Research and Development, National Center for Environmental Research and Quality Assurance; Peer Review Division, Washington, D.C. 20460. April 1997. Environmental Biology Peer Review Panel.

Honors and Awards

- Southern California Academy of Sciences, Academy Research Award of Merit, 1969
- Phi Kappa Phi Honor Society
- Chancellor's Patent Fund Award, University of California, 1971
- Who's Who in the West, 1979
- The Society of Sigma Xi, 1973
- Outstanding Young Men of America, 1980
- Excellence in Teaching Award (Finalist) Sam Houston State University, 1991
- Outstanding Contributions to Academic Success (Student Nominations), TX Omicron Chapter of Alpha Chi, 1991, 1994(2x), 1995
- Who's Who Among America's Teachers (Student Nominations) 1996, 1999, 2000, 2003, 2004, 2005, 2009

Professional Affiliations

- American Society of Mammalogists
- American Entomological Society
- Beta Beta Beta Honor Society
- Texas Association of Advisors for the Health Professions

Native Plant Society; Southern California Botanists
Society of the Sigma Xi
Southern Association of Advisors for the Health Professions
Southwestern Association of Naturalist (SWAN)
Texas Academy of Sciences
Texas Association of Advisors for the Health Professions
The Wildlife Society
The Wildlife Society Texas Chapter
The Wildlife Society Toxicology Working Group