

CURRICULUM VITAE

Jane M. Packard

August 1, 2014

- CURRENT TITLE:** Associate Professor , Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, Texas 77843-2258
- CONTACT:** (979) 845-5777, 845-1465; FAX (979) 845-3786; j-packard@tamu.edu
Website: people.tamu.edu/~j-packard
- EDUCATION:** B.A.1974 Psychology, Swarthmore College, Swarthmore, Pennsylvania
Ph.D. 1980. Ecology and Behavioral Biology, University of Minnesota, Minneapolis
- SPECIALIZATION:** Biodiversity Stewardship: integrating Ethology and Conservation Biology
- ACADEMIC APPOINTMENTS:** External Member, Graduate Faculty, Texas A&M Univ. at Kingsville, 1998-2006
Associate Professor of Wildlife & Fisheries Sciences, Texas A&M Univ. 1990-present
Member, Graduate Faculty, Texas A&M Univ., 1986-present
(employed at TAMU 1985, promoted 1990) Assistant Professor of Wildlife & Fisheries Sciences, Texas A&M Univ. 1985-90
Postdoctoral Research Associate, School of Forest Resources and Conservation, University of Florida, Gainesville, 1982-84
Lecturer, Ecology & Behavioral Biology, Univ. Minn., 1980, 1981
Teaching Assistant, Ecology & Behavioral Biology, Univ. Minn, 1979
Research Assistant, Biochem.; Ecology & Behavioral Biology, Univ. Minn, 1977-78
Research Assistant, Max-Planck Institute, Seewiesen, Germany 1972-73
- PROFESSIONAL AWARDS AND RECOGNITION:** Student Organization Advisor of the Year, Department of Student Activities, 2008
Faculty Award. Women's Spirit Month at Texas A&M Univ., 2001
Vice Chancellor's Award in Excellence: Graduate Teaching, Agriculture Program, Texas A&M Univ., 1995
(2 teaching, 2 service at TAMU) Outstanding Fellows Advisor, Texas A&M Univ., 1993
Award for Outstanding Poster Session, Am. Soc. Mammal., 1983
Doctoral Dissertation Fellowship, Univ. Minn., 1979
Graduate School Fellowship, Univ. Minn., 1974-77
Graduated with Distinction, Swarthmore College, 1974
- (invited speaker: 9 international, 16 national, 4 TAMU)*
- Invited Speaker- International (last 10 years)**
“ Man meets wolf: ethological perspectives”. July 6-9, 2008. Plenary Session. Canine Science Forum. Budapest, Hungary.
"Promoting Public Understanding of Sciences". May 26, 2004. Xishuangbana Tropical Biological Garden, People's Republic of China. (with C. Lindsey, Ft. Worth Museum of Science and History).
Previous: Universidad de Nuevo Leon (2000); The Zool. Soc. London (1996); University of Rome (1994); Universidad Autonoma de Tamaulipas (1991,1993); Universidad. Autonoma Agraria "Antonio Narro" (1990, 1992)
- Invited Speaker- National (last 10 yrs)**
“Local cultural models of conservation and organization legitimacy: A comparison across scales.” North American Congress for Conservation Biology, Oakland (2012)

“Wolf Social Behavior and Ecology”. University of California at Berkeley (2004);
 “Conservation Education: Engaging Local Communities”. Stanford University (2004);
 Previous: Trinity College (2002); Predators 2000; University of New Hampshire (1999);
 Smithsonian- National Zoo (1999); Yellowstone Center for Resources (1997); University
 of Minnesota (1995); University of Houston at Clear Lake (1995); University of
 California at Davis (1990); Texas Tech University (1989); Galveston Neurosciences
 Symposium (1988); Utah State University (1986); N. Y. Zool. Soc. (1986).

Invited Speaker- TAMU (last 10 years)

“Local cultural models of conservation and organization legitimacy: A comparison
 across scales.” Applied Biodiversity Sciences Seminar Series. (2012)
<http://biodiversity.tamu.edu/events/previous-seminars/#Fall2012>

Previous: Oceanography Department Seminar Series (~2002), Bush School for Public
 Policy (2003), Wildlife and Fisheries Sciences Department Seminar Series (~1998)

TEACHING:

(4 graduate courses,
 1 undergraduate course,
 high impact variable
 credit special problems
 and internship)

(previous at TAMU:
 4 graduate courses,
 3 undergraduate, high
 impact variable credit
 research)

(impact: 2 invitations
 outside TAMU; 1
 international)

(impact: 5 TAMU
 courses, 1 Texas; 2
 international; 5 student
 organizations)

**TEACHING-
 STUDENT PAPERS,
 THESES AND
 DISSERTATIONS:**

(8 doctoral
 ***12 thesis masters

Current: **Behavioral Ecology of Vertebrates** (WFSC 622, 3cr: 1989, 2001-04, 2006-14)
Vertebrate Ethology (WFSC 620, 4cr: 1986-88, 1990, 1992-2003, 2006, 2009, 2012);
Seminar (WFSC 681, 1cr: 2010-14); **Ethology** (WFSC 422, 3cr: 1985-88, 1990, 1992-
 2003, 2005-14; WFSC 689: 2008; WFSC 632: 2009-14); **Internship** (WFSC 484/684, 1-
 3 cr: 1989-2006, 2009, 2012-2014); **Special Problems** (WFSC 485, 1-3cr: 1987-2004,
 2008-2010, 2013; WFSC 685: 1986-95, 1998-2014);

Previous: **Research** (WFSC 691, 1-3cr: 1985-2012; WFSC 491, 6cr: 2012); **Seminar**
 (WFSC 481, 1cr: 2002-03, 2005-07, 2009-12); **Conservation Biology** (WFSC 689:
 2000); **Field Studies** (WFSC 300: 1996); **Study Abroad-Special Topics in Tropical
 Biology of the Caribbean** (WFSC 481, 489, 485: 1995); **Conservation Biology
 Seminar** (WFSC 681: 1989-93, 1999-2000; WFSC 481: 1987, 1998); **Special Topics in
 Animal Communication** (WFSC 689: 1991); **Conservation & Sustainable
 Development** (RENR 689: 1989); **Introduction to Ecology** (UM: 1980-81);
Fundamentals of Ecology (UM: 1981)

Instructor, Short Courses: Animal Behavior, Houston Zoo, 13-14 November 1995;
**Animal Behavior, Universidad Autonoma Agraria "Antonio Narro", Saltillo,
 Coahuila, Mexico. 8 November 1991.**

Guest Lecturer: WFSC 689 (Laws & Policy); **Applied Ecology (graduate class,
 Instituto Tecnologica de Estudios Superiores Monterrey ITESM); Ecology
 (undergraduate class, ITESM); PHIL 689 (Special Topics: Philosophy of Biology);
 WFSC 101 (~30), ANSC 610 (5), VTAN 306 (1), Conservation Biology (University of
 Houston at Clear Lake) (1) ; TAMU Student Chapter of the Society for Conservation
 Biology (3); Conservation Biology - Student Chapter (University of Texas at Austin) (1);
 Zoological Science Club (6); Veterinary Science Club (3); TAMU Chapter of the
 Wildlife Biology Society (2) ;**

1. **Problem-solving with orangutans (*Pongo pygmaeus* and *Pongo abelii*) and chimpanzees (*Pan troglodytes*): Using the iPad to provide novel enrichment opportunities. Boostrom, Helen. 2013. M.W.S. Professional Paper, Texas A&M University, College Station.

**10 non-thesis masters
by distance education
*4 undergraduate)

2. **Enrichment comparison of African Painted Dogs (*Lycaon pictus*) housed in U.S. AZA-accredited institutions. Cloutier, Tammy L. 2013. M.W.S. Professional Paper, Texas A&M University, College Station.
3. **Charophyte management in reservoir fisheries on a Texas military installation. Sanders, Virginia B. 2013. M.W.S. Professional Paper. Texas A&M University. available online: Biodiversity Stewardship Report Series. No. BS13.02. Biodiversity Stewardship Lab, Texas A&M University, College Station, TX. <http://people.tamu.edu/~j-packard/publications/BS13.02.pdf>
4. *Acting batty! Bilingual educator's guide to bat conservation. Jimenez, P. Citlally. 2013. Research Experiences for Undergraduates Report. Texas A&M University. available online: Biodiversity Stewardship Report Series. No. BS13.01. Biodiversity Stewardship Lab, Texas A&M University, College Station, TX. <http://people.tamu.edu/~j-packard/publications/BS13.01.pdf>
5. **Aligning learning experiences that complement science education at a local nature park. Vargas, Karla L. 2012. M.W.S. Professional Paper. Texas A&M University. available online: Biodiversity Stewardship Report Series. No. BS12.04. Biodiversity Stewardship Lab, Texas A&M University, College Station, TX. <http://people.tamu.edu/~j-packard/publications/BS12.04.pdf>
6. *Assessing the suitability of herd bulls for the Sustainable Herds Project of the Conservation Centers for Species Survival. Loonam, Kenneth. 2012. Intern Report. Biodiversity Stewardship Report Series. No. BS12.03. Biodiversity Stewardship Lab, Texas A&M University, College Station, Texas. <http://people.tamu.edu/~j-packard/publications/BS12.03.pdf>
7. ***Temporal and spatial analysis of killer whale sightings in the Galapagos Marine Reserve, Ecuador. Smith, Kerri H. 2012. M.S. Thesis. Texas A&M Univ., College Station.
8. ***Bull-switching in African bovid herds: assessing best practices for breeding management in waterbuck. Jones, Renee C. M. 2010. M.S. Thesis. Texas A&M Univ., College Station.
9. **Development and implementation of the wolf workbook as a science education tool for students and teachers. Agan, Suzanne W. 2009. M.W.S. Professional Paper. Texas A&M Univ., College Station.
10. **Factors affecting infant survival of cotton-top tamarins (*Saguinus oedipus*) in zoos. Colahan, Hollie. 2009. M.W.S. Professional Paper. Texas A&M Univ., College Station.
11. **Conservation of Antillean manatees in the Drowned Cayes area of Belize. Self Sullivan, Caryn. 2008. PhD Dissertation. Texas A&M Univ., College Station.**
12. **Public and youth participation in science at the Lewisville Lake Environmental Learning Area. Waidler, David P. 2006. M.W.S. Professional Paper. Texas A&M Univ., College Station.
13. ***Observer error in identifying species using indirect signs: analysis of a river otter track survey technique. Evans, Jonah W. 2006. M.S. Thesis. Texas A&M Univ., College Station.
14. **Are we gathering reliable data? The need for measuring observer skill in wildlife

- monitoring. Wharton, Ciel A. 2006. M.W.S. Professional Paper. Texas A&M Univ., College Station.
15. **A discussion of the methods for conducting an All Taxa Biodiversity Inventory based on the work of the Great Smoky Mountains National Park and Discover Life in America Hoffman, Jessica 2004. M.A. Professional Paper. Texas A&M Univ., College Station.
 16. **Binational collaboration in endangered species recovery: a case study of the Mexican wolf. Bernal Stoopen, Jose F. 2004. Ph.D. Dissertation. Texas A&M Univ., College Station.**
 17. ***Abundance and distribution trends of the West Indian Manatee in the coastal zone of Belize: implications for conservation. Auil, Nicole E. 2003. M.S. Thesis. Texas A&M Univ., College Station.
 18. **Ecological correlates of Harris' Hawk grouping in southern Texas. Appelt, Christopher W. 2002. Ph.D. Thesis. Texas A&M Univ. at Kingsville, Kingsville.**
 19. ***Homesite attendance as a measure of alloparental and parental care by gray wolves (*Canis lupus*) in northern Yellowstone National Park. Thurston, Linda. 2002. M.S. Thesis. Texas A&M Univ., College Station.
 20. ***Local attitudes, knowledge and values regarding natural resource use in the range of the Maroon-fronted Parrot in northeastern Mexico. Madero-Farias, Alma Alida. 2000. M.S. Thesis. Texas A&M Univ., College Station.
 21. **Modeling the effects of social variation on population dynamics for group-living primates. Norris, Kimberly Snyder. 1999. Ph.D. Dissertation. Texas A&M Univ., College Station. (co-chair)**
 22. **Feeding behavior of bottlenose dolphins at Isla del Coco, Costa Rica. Acevedo-Gutierrez, Alejandro. 1997. Ph.D. Dissertation. Texas A&M Univ., College Station. (co-chair)**
 23. ***An analysis of public testimonies on the reintroduction of wolves to the Greater Yellowstone Ecosystem. Wicker, Kristy J. 1996. M.S. Thesis. Texas A&M Univ., College Station.
 24. **Comparative ecology and reproductive biology of three species of Amazona parrots in northeastern Mexico. Enkerlin-Hoeflich, Ernesto C. 1995. Ph.D. Dissertation. Texas A&M Univ., College Station.**
 25. *Reproductive success in the domesticated ostrich, *Struthio camelus*: monogamy vs. polygamy. Smith, K.Mechelle. 1994. Honors Thesis. Texas A&M Univ., College Station.
 26. ***Behavior of captive bottlenose dolphins (*Tursiops truncatus*) and humans during controlled in-water interactions. Frohoff, Toni G. 1993. M.S. Thesis. Texas A&M Univ., College Station.
 27. **Ontogeny of sibling bonding in Nubian goat kids. Alamia, Leticia A. 1993. PhD Dissertation. Texas A&M Univ., College Station.**
 28. ***Effects of social cohesion on success of reintroduction in collared peccary. Litondo, Franklin R. 1993. M.S. Thesis. Texas A&M Univ., College Station.
 29. *Control of aggression in male groups of oryx (*Oryx dammah*): effects of gonadotropin releasing hormone and melangosterol acetate. Spoon, Tracey R. 1993. Honors Thesis. Texas A&M Univ., College Station.

30. **Effects of lek shape on reproduction of the endangered Attwaters Prairie Chicken. DiMare, Maria I. 1991. Ph.D. Dissertation. Texas A&M Univ., College Station.** (co-chair)
31. ***Mountain lion use of an area of high recreational development in Big Bend National Park, Texas. Ruth, Toni K. 1991. M.S. Thesis. Texas A&M Univ., College Station.
32. ***Postpartum endocrinology and sexual behavior relative to lactation in collared peccaries (*Tayassu tajacu*). Franchek, Kathleen M. 1989. M.S. Thesis. Texas A&M University, College Station.
33. ***Suckling and weaning behavior in the collared peccary. Babbitt, Kimberley J. 1988. M.S. Thesis. Texas A&M Univ., College Station.
34. ***Vegetation mosaic and deer distribution in South Texas. Tchamba, Martin N. 1988. M.S. Thesis. Texas A&M Univ., College Station.

**TEACHING-
Graduate Advisory
Committees**

(Chair
8 doctoral
25 masters)

Chair (* indicates co-chair): 4 M.W.S. (Rachel Rommel, Natalie Craig, Heather Crane, Taylor Grafton); [former: Martin N. Tchamba (M.S.-1988); Kimberly J. Babbitt (M.S.-1988); Kathleen M. Franchek (M.S.-1989); **Maria I. DiMare* (Ph.D.-1991)**; Toni K. Ruth (M.S.-1991); Franklin R. Litondo (M.S.-1993); Toni G. Frohoff (M.S.-1993); **Leticia A. Alamia (Ph.D.-1993)**; **Ernesto C. Enkerlin-Hoefflich (Ph.D.-1995)**; Kristy J. Wicker (M.S.-1996); **Alejandro Acevedo-Gutierrez (Ph.D. -1997)**; **Kimberly Snyder Norris (Ph.D. 1999)**; A. Alida Madero-Farias de Enkerlin (M.S. -2000); Linda Thurston (M.S. 2002); **Christopher J. Appelt (Ph.D. 2002)**; Nicole Auil (M.S.-2003); **Jose Bernal Stoopen (Ph.D. 2004)**; Jessica Hoffman (M.W.S. -2004); David Waidler (M.W.S. -2006); Jonah Evans (M.S. -2006); Ciel Wharton (M.W.S. -2006); **Caryn Self-Sullivan* (Ph.D. -2008)**, Suzanne Agan (M.W.S. -2009), Hollie Colahan (M.W.S. -2009), Kerri J. Smith* (M.S. -2012), Karla Vargas (M.N.R.D. -2012), Virginia Sanders (M.W.S. -2013), Tammy Cloutier (M.W.S. -2013), Helen Boostrom (M.W.S. -2013)

(Member:
33 doctoral
17 masters)

Member (current): **8 Ph.D.** (Mari Smultea, Lori Fields, Gabriela Vigo Trauco, Silvia Bonizzoni, Sara Piwetz, Dara Orbach, Ali Krzton); **3 M.W.S.** (Shannon Andrew, Jennifer Goss, Katherine Jensen); **1 MNRD** (Heather Blackburn) [**degree completed: 26 Ph.D., 2 M.Ed. 5 M.S., 2 M.W.S., 1 M.N.R.D., 1 M. Ag., 2 M.Anth.**]

(International
3 doctoral)

External Reviewer: L'Université de Neuchâtel, PhD committee of Barbara Molnar 2011; Dalhousie University: PhD committee of Simon Gadbois 2002; Universidad Autonoma de Tamaulipas, PhD. committee of Cecilia Montemayor.

(High impact:
12 undergraduate)

Advisor for Undergraduate Fellows/REU (Research Experiences for Undergraduates): P. Citlally Jimenez (REU 2013), Kenneth Loonam (REU 2012), Angela Barton (ABS intern 2011), Autumn Griffith (Davis Scholar 1999/2000), Stephen Moffatt (Davis Scholar 1999/2000); Melanie Bunjes (Davis Scholar 1997/98), Jennifer DeBose (Davis Scholar 1997/98), Helen Cantril (Davis Scholar 1994/95), Rebecca Vincent (Davis Scholar 1993/94), R. Michelle Smith (Honors 1993/94), Tracey R. Spoon (Honors 1992/93), Kevin Roy (Honors 1986/87)

**RESEARCH -
CURRENT
INTEREST AND
GRANT SUPPORT:**

My long-term research focus is behavioral ecology, investigating how animals respond to the distribution of resources in terrestrial and aquatic environments. My interdisciplinary interests in conservation biology include: (a) the interfaces between science and society, (b) citizen engagement in inquiry-based learning, and (c) biodiversity stewardship. My

current place-based research focuses on how conservation science and policy are implemented within landscapes that are a mosaic of private and public lands. As Director of the Biodiversity Stewardship Lab, I encourage diverse mid-career graduate students to develop grant seeking skills by obtaining direct funding (matching funds from private donors, fellowship and small grants programs). Current projects/participants include:

1. Educational programs raising awareness of global amphibian declines via local flagship species. (Rachel Rommel, Amphibian Ark, privately funded)
2. Sea lion ambassadors: promoting environmentally responsible behavior regarding marine debris (Heather Crane, Houston Zoo, privately funded)
3. Ethological approach to reducing oral stereotypies in yearling beef cattle. (Taylor Grafton, Bar K Ranch, British Columbia, privately funded)
4. Wildlife, water and sewage treatment in the Chisos Basin of Big Bend National Park (Natalie Craig, Big Bend National Park, privately funded)
5. Behavioral Syndromes in African Bovids: Assay Techniques for Population Planning (undergraduate research assistants: Kenneth Loonam, Katherine Wolf, Justin French, Aleyda Galan, Sammy Reinhard, Bernard Smalls, Renee Jones, Michael Birt.; graduate students: Helen M. Boostrom, Tammy L. Cloutier, Edward J. Enriquez, Taylor R. Salzar, Mari A. Smultea, Renee Jones, Michelle Cortez, Ian Davis, Nanda Grow, Ali Krzton, Terri Pope, Jenna Jarvis, Matthew Ward, Alexa Sutton, Hollie Colahan, Krystal Windham, Chris Lituma, Robin Vaughn, Ashley Woldhagen, participants in WFSC 620; in collaboration with Skyler Jordan, Megan McMahon, Kaitlyn Samborsky, Roy McClements, Curt Dekker, Adam Eyres, Kelley Snodgrass and Holly Haefele at Fossil Rim Wildlife Center, Dan Beetem and Jenise Bauman at The Wilds)

**RESEARCH-
PROPOSALS/
MANUSCRIPTS
PENDING:**

(3 submitted,
1 in revision,
9 student coauthors,
2 primary author,
5 colleagues)

**RESEARCH-
REFEREED
PUBLICATIONS:**

(38 total,
29 student co-authors,
12 primary author,
43 colleagues)

High impact journals:

Animal Behavior
Appl. Anim. Beh. Sci.

Leaping from awareness to action: empowering local educators to promote herpetofauna conservation. **Rommel, R.E.**, Crump, P.S., and J.M. Packard. (in review). *Journal of Herpetology*. (submitted 3 March 2014)

Cultural models of land conservation: quantitative perspectives. Packard, J.M., Weeks, P. Paolisso, M., and M. Srinivasan. (in revision). *Conservation Biology*

1. Enrichment options for African Painted Dogs (*Lycaon pictus*). **Cloutier, T.L.** and J.M. Packard. *Zoo Biology* (in press).
2. Behavioral profiles of African bovids (*Hippotraginae*). J. M. Packard, **K. E. Loonam, C.R. Arkenberg, H. M. Boostrom, T. L. Cloutier, E. J. Enriquez, A. Eyres, H. Haefele, T. R. Salzar, M. A. Smultea, K. Snodgrass.** *Journal of Zoo and Aquarium Research* 2(3):82-87.
3. Mating group size in dusky dolphins (*Lagenorhynchus obscurus*): costs and benefits of scramble competition. **Orbach, D.N.**, Packard, J.M., and B. Wursig. 2014. *Ethology* (in press)
4. A cultural model of farmer land conservation. Paolisso, M., P. Weeks, and J.

Biology of Reproduction
Conservation Biology
Deep Sea Research
Ethology
Marine Mammal Science

Lesser impact journals:

Acta Zoologica Fennica
Antarctic J. United States
Anthrozoos
Aquatic Mammals
Canad. Field Naturalist
Canadian J. Zoology
Ecological Modelling
Human Organization
J. Wildlife Management
J. Mammalogy
J. Field Ornithology
J. Zoo & Aquar. Res.
The Condor
Wildlife Society Bulletin
Zoo Biology

- Packard. 2013. *Human Organization* 72(1):12-22.
5. Local cultural models of conservation and NGO legitimacy: a comparison across scales. Weeks, P., J. Packard and M. Paolisso. 2012. *Journal of Environmental Planning and Management*. DOI:10.1080/09640568.2011.617116
 6. Dolphin prey-herding: prey ball mobility relative to dolphin group and prey ball sizes, multi-species associates, and feeding duration. **Vaughn, R., B.** Würsig, and J. M. Packard. 2010. *Marine Mammal Science*. 26(1): 213–225. DOI: 10.1111/j.1748-7692.2009.00317.x
 7. Red imported fire ants can decrease songbird nest survival. **Campomizzi, A.,** Morrison, M., **Farrell, S.,** Wilkins, R., Drees, B., and J. M. Packard. 2009. *The Condor* 111(3): 534-537.
 8. Feral hogs: invasive species or nature's bounty?. Weeks, P. and J. M. Packard. 2009. *Human Organization* 68(3): 280-292.
 9. Determining observer reliability in counts of river otter tracks. **Evans, J. W., C. A. Evans,** J. M. Packard, G. Calkins, and M. Elbroch, 2009. *Journal of Wildlife Management* 73(3): 426-432.
 10. Territory quality of male sea otters in Prince William Sound, Alaska: relation to body and territory maintenance activities. **Pearson, H.,** J. M. Packard and R.D. Davis. 2006. *Canadian Journal of Zoology*. 84:939-946.
 11. A zoogeographic analysis of decapod crustaceans of the continental slopes and abyssal plain of the Gulf of Mexico. Wicksten, M.K. and J.M. Packard. 2005. *Deep Sea Research I*. 52:1745-1765.
 12. Seasonal occurrence of male Antillean manatees (*Trichechus manatus manatus*) on the Belize Barrier Reef. **Self-Sullivan, C.,** G.W. Smith, J.M. Packard, and K.S. LaCommare. 2003. *Aquatic Mammals*. 29:342-354.
 13. Variation in stereotypic behavior related to restraint in circus elephants. **Gruber, T.M., T.H. Friend, J.M. Gardner,** J.M. Packard, B. Beaver, and D. Bushong. 2000. *Zoo Biology* 19:209-221.
 14. Safe field techniques for nest inspections and nestling crop sampling of parrots. **Enkerlin-Hoeflich, E.C.,** J. M. Packard and J.J. González-Elizondo. 1999. *Journal of Field Ornithology*. 78:8-17.
 15. Regurgitative food transfer among wild wolves. Mech, L. D., P.C. Wolf and J.M. Packard. 1999. *Canadian Journal of Zoology*. 77:1-4.
 16. Differences in winter activity, courtship and social behavior of two captive family groups of Mexican wolves *Canis lupus baileyi* . **Bernal , J.F.** and J.M. Packard. 1997. *Zoo Biology* 16:435-443.
 17. Acceptance of scientific management by natural resource dependent communities. Weeks, P. and J.M. Packard. 1997. *Conservation Biology* 11: 236-245.
 18. Human interactions with free-ranging and captive bottlenose dolphins: a comparative assessment. **Frohoff, T.G.** and J.M. Packard. 1995. *Anthrozoos* 8: 44-53.
 19. **Weaning in an arctic wolf pack: behavioral mechanisms. Packard, J.M., L.D.**

- Mech and R.R. Ream. 1992. *Canadian Journal of Zoology*. 70:1269-1275.
20. Sexual competition in captive collared peccaries (*Tayassu tajacu*). Packard, J.M., K.J. Babbitt, K.M. Franchek and P.M. Pierce. 1991. *Applied Animal Behavior Science* 29:319-326.
 21. An observation of a wild weasel (*Mustella erminea*) moving its pups. Packard, J.M., L.D. Mech. 1990. *The Canadian Field-Naturalist*. 105:110-111.
 22. Possible use of wolf, *Canis lupus*, den over several centuries. Mech, L.D. and J.M. Packard. 1990. *The Canadian Field-Naturalist* 104: 484-485.
 23. Suckling behavior of the collared peccary (*Tayassu tajacu*). Babbitt, K.J. and J.M. Packard. 1990. *Ethology* 86:102-115.
 24. Parent/offspring conflict relative to phase of lactation. Babbitt, K.J. and J.M. Packard. 1990. *Animal Behaviour* 40:765-773.
 25. Infanticide in captive collared peccaries (*Tayassu tajacu*). Packard, J.M., K.J. Babbitt, P.G. Wilber, and W.E. Grant. 1990. *Zoo Biology*. 9: 49-53.
 26. Manatee response to interruption of a thermal effluent. Packard, J.M., R.K. Frohlich, J.E. Reynolds III, and J.R. Wilcox. 1989. *Journal of Wildlife Management*. 53:692-700.
 27. AI modelling of animal movements in a heterogeneous habitat. Folse, L.J., J.M. Packard, and W.E. Grant. 1989. *Ecological Modelling*. 46:57-72.
 28. An artificial intelligence modelling approach to simulating animal/habitat interactions. Saarenmaa, H., N.D. Stone, L.J. Folse, J.M. Packard, W.E. Grant, M.E. Makela, and R.N. Coulson. 1989. *Ecological Modelling*. 44:125-141.
 29. The occurrence of manatees (*Trichechus manatus*) in Tamaulipas, Mexico. Lazcano-Barrero, M.A. and J.M. Packard. 1989. *Marine Mammal Science* 5:168-173.
 30. Parturition and related behavior of the collared peccary (*Tayassu tajacu*). Packard, J.M., D.M. Dowdell, W.E. Grant, E.C. Hellgren, and R.L. Lochmiller. 1987. *Journal of Mammalogy* 68:679-681.
 31. Use of replicate counts to improve indices of trends in manatee abundance. Packard, J.M., D.B. Siniff, and J.A. Cornell. 1986. *Wildlife Society Bulletin* 14: 265-275.
 32. Evaluation of manatee habitat on the northwestern Florida coast. Packard, J.M., and O.F. Wetterqvist. 1986. *Coastal Zone Management Journal* 14:279-311.
 33. Causes of reproductive failure in two family groups of wolves (*Canis lupus*). Packard, J.M., U.S. Seal, L.D. Mech and E.D. Plotka. 1985. *Zeitschrift fur Tierpsychologie* 68:24-40.
 34. Variation in visibility bias during aerial surveys of manatees. Packard, J.M., R.C. Summers, and L.B. Barnes. 1985. *Journal of Wildlife Management* 49: 349-353.
 35. Impact of manatees (*Trichechus manatus*) on seagrass communities in eastern Florida. Packard, J.M. 1984. *Acta Zoologica Fennica* 172: 21-22.
 36. Classification of behavior of sea otters (*Enhydra lutris*). Packard, J.M. and C.A. Ribic. 1982. *Canadian Journal of Zoology* 60:1362-1373.
 37. Endocrine correlates of reproduction in the wolf. 1. Serum progesterone, estradiol, and LH during the estrous cycle. Seal, U.S., E.C. Plotka, J.M. Packard and L.D.

Mech. 1979. Biology of Reproduction 21:1057-1066.

38. Colonial behavior of Weddell seals in eastern McMurdo Sound. Siniff, D.B., L.L. Eberhardt, and J.M. Packard. 1979. Antarctic Journal of the United States 14:177-178.
1. Engaging local communities to protect bats through conservation education activities in a transboundary biodiversity corridor. **Jimenez, P.C.**, J.M. Packard, **M. Petriello** and **E. Gomez Ruiz**. ABSTRACT in Proceedings of the 16th International Bat Research Conference. 43rd North American Symposium on Bat Research. August 11-15, San Jose, Costa Rica. Accessed: <http://people.tamu.edu/~j-packard/publications/Jimenez.etal.2013.pdf>
2. Establishing base-line data for killer whale (*Orcinus orca*) distribution band habitat use in the Galapagos Marine Reserve. **Smith, K.J.**, J.J. Alava, G. Godfrey, J.M. Packard, and D. Palacios. ABSTRACT in Proceedings of the 20th Biennial Conference on the Biology of Marine Mammals. Dunedin, N.Z. Accessed: <http://people.tamu.edu/~j-packard/publications/Smith.etal.2013.pdf> (presentation withdrawn due to lack of travel funds)
3. Optimal mating group size of dusky dolphins (*Lagenorhynchus obscurus*). **Orbach, D.N.**, J.M. Packard and B. Wursig. (2013) ABSTRACT in Proceedings of the 20th Biennial Conference on the Biology of Marine Mammals. Dunedin, N.Z. Accessed: <http://people.tamu.edu/~j-packard/publications/Orbach.etal.2013.pdf>
4. ****Wolf social intelligence. Packard, J.M. (2012) A. P. Maia and H. F. Crussi (eds). Pp 1-48. In: Wolves: Biology, Behavior and Conservation. Nova Publishers. <https://www.novapublishers.com>**
5. **** Wolves. Packard, J.M. (2011) pp. 611-620. In: Encyclopedia of Animal Behavior. M.D. Breed and J. Moore. Oxford: Academic Press.**
6. ****Biodiversity. Packard, J.M., W. Gordon, J. Clarkson. (2011). pp. 124-156. In: The Impact of Global Warming on Texas. Gerald R. North, Jurgen Schmandt, Judith Clarkson (ed.). Austin: University of Texas Press.**
7. ****Mexican wolf recovery: Insights from transboundary stakeholders. Bernal Stopen, J.F.**, J.M. Packard and R. Reading. (2010) pp. 115-132. In: López-Hoffman, L., E.D. McGovern, R.G. Varady and K.W. Flessa, eds. Conservation of Shared Environments: Learning from the United States and Mexico. Tucson: University of Arizona Press.
8. ***Man meets wolf: ethological perspectives. Packard, J.M. (2008) Journal of Veterinary Behavior: Clinical Applications and Research. Abstract**
9. El traspatio un recurso local en los servicios de "Turismo Rural Familiar" alternative de desarrollo sustentable municipal- caso: San Carlos, Tamaulipas, Mexico. **Montemayor Marin, M.C.**, P.C. Estrada Bellmann, J.M. Packard, E.J. Trevino Garza and E.H. Villaon Mendoza. (2007) Revista de Investigacion en Turismo y Desarrollo Local. Octubre. <http://www.eumed.net/rev/turydes/>
10. ***Review of "The Florida Manatee: Biology and Conservation", by Roger L. Reep and Robert K. Bonde. Packard, J. 2007. Journal of Wildlife Management**

**RESEARCH-
INVITED BOOK
CHAPTER/REVIEWS,
ABSTRACTS,
PROCEEDINGS:**

(35 total,
7 student co-authors,
27 primary author,
15 additional
colleagues,
* Non-ref/Ed. review
**17 Books/Chapters)

71(4).

11. ***Review of "Dolphins, Whales, and Manatees of Florida: A Guide to Sharing Their World" by J.E. Reynolds III and R.S. Wells. Packard, J.M. 2004. Journal of Wildlife Management.**
12. ****Grizzly foraging. Packard, J.M. 2004. pp. 583-586 In: Encyclopedia of Animal Behavior. Marc Bekoff (ed.). Phoenix: Greenwood Press.**
13. ****Wolf behavior: reproductive, social and intelligent. Packard, J.M. 2003. Pp. 35-65 In: Wolves: Behavior, Ecology and Conservation. L. David Mech and Luigi Boitani (eds.). Chicago: The University of Chicago Press.**
14. ****Cultural lenses and conservation biology: collaboration in tropical countries. 2001. Weeks, P., J.M. Packard, and M. Martinez. pp 41-57 In: Protecting Biological Diversity: roles and responsibilities. Catherine Potvin, Margaret Kraenzel and Gilles Seutin, (eds.) Montreal: McGill-Queen's University Press.**
15. ****Mexican wolf. Packard, J.M. and J.F. Bernal Stoopen. 2000. Pp. 207-213 In: Endangered Animals: Conflicting Issues. R. Reading and B. Miller (eds.) Denver: Greenwood Press.**
16. ***Book review. Packard, J.M. 1999 "Behavioral Approaches to Conservation in the Wild" (edited by J.R. Clemmons and R. Buchholz). Journal of Wildlife Management 63:411-412.**
17. ***Review of . "Resolving Environmental Conflict" by Chris Maser. Packard, J.M. 1998. Ecosystem Health. 4: 76-78.**
18. **The effect of pens and picket lines on the occurrence of stereotypies in circus elephants. Gruber, T.M., Friend, T.H., Gardner, J.M. and Packard, J.M. Proceedings of the 18th Annual Workshop of the Elephant Management Group. Nov. 1-4, 1997. Forth Worth: Fort Worth Zoo.**
19. **Desarrollo de ecoturismo y conservación: estrategias integradas. Packard, J.M. & Alamia, L.A. 1995. pp48-56 In: Memoria del V Simposium Internacional de Fauna Silvestre, 27-29 October 1993. Cd. Victoria:. Universidad Autonoma de Tamaulipas.**
20. ****Effects of climate change on biodiversity and landscape linkages in Texas. Packard, J.M and T. L. Cook. 1995. pp 322-336 In: The Changing Climate of Texas: Predictability and implications for the future. John Norwine, J. Richard Giardino, Gerald R. North, and Juan B. Valdés). College Station: GeoBooks, College Station.**
21. ****Biodiversity. Packard, J.M. 1995. pp119-149. In: The Impact of Global Warming on Texas. Gerald R. North, Jurgen Schmandt, Judith Clarkson (ed.). Austin: University of Texas Press.**
22. ***A new textbook for animal behaviorists. Packard, J.M. 1994. Zoo Biology 13: 523-524.**
23. ***Review of "Manatees and Dugongs" by J. Reynolds and D. Odell. Packard, J.M. 1993. The Journal of Wildlife Management 57:423-424.**
24. ***International partnership needed to protect wild Mexican wolves. Packard, J.M. 1992. International Wolf 2:12-13**
25. **Fauna silvestre amenazada en la frontera oriental Mexico-Estados Unidos. Packard, J.M. and E. C. Enkerlin. 1992. pp. 81-99 In: Memoria del III Simposium Internacional de Fauna Silvestre: Especies en Peligro de Extincion,**

24-25 October 1991. Cd. Victoria: Universidad Autónoma de Tamaulipas..

26. ****Graduate training integrating conservation and sustainable development: a role for mammalogists at North American universities.** Packard, J.M. and D.J. Schmidly. 1991. pp392-415 In: **Latin American Mammalogy: Topics in History, Biodiversity and Conservation.** Michael.A. Mares and David J. Schmidly (eds). Norman: University of Oklahoma Press.
27. ****Applications of artificial intelligence in animal behavior.** Packard, J.M., L.J. Folse, N.D. Stone, M. Makela, and R.N. Coulson. 1990. pp147-191 In: **Interpretation and Explanation in the Study of Animal Behavior: Comparative Perspectives.** Marc Bekoff and D. Jamieson (eds.). Boulder: Westview Press.
28. ****Olfaction, ovulation and sexual competition in monogamous mammals.** Packard, J.M. 1989. pp525-543 In: **Neural Control of Reproductive Function.** J.M. Lakoski, J.R. Perez-Polo, and D.K. Rassin (eds.) New York: Alan R. Liss, Inc.
29. ***Book review: Packard, J.M. 1988. "Wildlife Conservation Evaluation" (Edited by M.B. Usher). Ecological Modelling 41:327-328.**
30. ***Book review: Packard, J.M. 1988. "Fur Seals: Maternal strategies on land and at sea" (Edited by R.L. Gentry and G. L. Kooyman). Animal Behaviour 35:636-637.**
31. ****Seasonal metabolic and reproductive cycles in wolves.** Seal, U.S., E.D. Plotka, L.D. Mech and J.M. Packard. 1986. pp109-125 In: **Man and Wolf.** H. Frank (ed.), Dordrecht: Dr. W. Junk Publishers..
32. ****Sea cows and manatees.** Packard, J.M., G.B. Rathbun and D.P. Domning. 1984. pp292-295. In: **The Encyclopedia of Mammals.** D. Macdonald (ed.). New York: Facts on File Publications.
33. ****Social influences on reproduction in wolves.** Packard J.M., L.D. Mech, and U.S. Seal. 1983. pp78-85. In: **Wolves in Canada and Alaska: their status, biology and management** Lou Carbyn (ed.). Ottawa: Canadian Wildlife Service Report Series No. 45.
34. ***Population regulation in wolves.** Packard, J.M. and L.D. Mech. 1983. pp151-174. In: **Symposium on Natural Regulation of Wildlife Populations. Proceedings 14.** F.L. Bunnell, D.S. Eastman, and J.M. Peck (eds.) Moscow, Idaho: University of Idaho.
35. ****Population regulation in wolves.** Packard, J.M. and L.D. Mech. 1980. pp135-150. In: **Biosocial Mechanisms of Population Regulation.** M.N. Cohen, R.S. Malpass, and H.G. Klein (eds.). New Haven: Yale University Press.

**RESEARCH-
TECHNICAL
REPORTS:**

*(30 total,
15 student co-authors,
24 primary author,
8 additional colleagues)*

1. **Behavioral Syndromes in African Bovids: Assay Techniques for Population Planning,** Packard, J.M. **K. E. Loonam, C.R. Arkenberg, H. M. Boostrom, T. L. Cloutier, E. J. Enriquez,** A. Eyres, H. Haefele, **T. R. Salzar, M. A. Smultea, K. Snodgrass.** 2013. Biodiversity Stewardship Report Series No. BS12.01. Biodiversity Stewardship Lab, Texas A&M University, College Station, Texas 77843-2258 <http://people.tamu.edu/~j-packard/publications/BS13.03.pdf>
2. **Pilot study of faculty perspectives on e-learning graduate degrees in wildlife and natural resources.** Packard, J.M. 2012. Biodiversity Stewardship Report Series No. BS12.01. Biodiversity Stewardship Lab, Texas A&M University,

College Station, Texas 77843-2258 <http://people.tamu.edu/~j-packard/publications/BS12.01.pdf>

3. **Land Trusts: Mediating Science and Policy on Conservation Lands.** Packard, J.M. and P. Weeks. 2009. Final Report to NSF. Award ID: 0551832.
4. **Land Trusts: Mediating Science and Policy on Conservation Lands.** Packard, J.M. and P. Weeks. 2008. Annual Report to NSF. Award ID: 0551832.
5. **Hog management planning process: scoping phase.** Packard, J.M. 2005. Draft Report to Superintendent, Big Thicket National Preserve, Beaumont, TX. College Station: Laboratory of Ethology, Wildlife and Fisheries Sciences.
6. **A Collaboration: The Society for Conservation Biology and the Cuban Conservation Community.** Packard, J.M. and M.A. Vales Garcia. 2003. Final Report to the John D. and Catherine T. MacArthur Foundation, Program for Global Security and Sustainability. Washington, D.C.: Society for Conservation Biology. 46 pp.
7. **Evaluation and Use of a Captive Wildlife Database.** 1999. Wicker, K. and J.M. Packard. Final Report. Dallas: The Summerlee Foundation.
8. **Development of a Captive Wildlife Facilities Database.** 1998. Wicker, K. and J.M. Packard. Final Report. Dallas: The Summerlee Foundation.
9. **Assessing wolf den monitoring techniques.** Packard, J., L. Thurston, and D. Smith. 1997. Mammoth: Yellowstone Center for Resources.
10. **Annual report: Binational collaboration in recovery of endangered species: the Mexican wolf as a case study.** 1997. Bernal-Stoopen, J.F and J. M. Packard. New York: Wildlife Conservation Society.
11. **Final report: Reproduction, ecology and human impacts: a threatened endemic Mexican parrot (*Amazona viridigenalis*) and congeneric sympatric".** Packard, J.M. and E.C Enkerlin. 1993. Washington: World Wildlife Fund
12. **Interim report: Reproduction, ecology and human impacts: a threatened endemic Mexican parrot (*Amazona viridigenalis*) and congeneric sympatric".** Packard, J.M. and E.C Enkerlin. 1992. Washington: World Wildlife Fund
13. **Behavior of high risk mountain lions in Big Bend National Park, Texas.** Packard, J.M., Ruth, T.K. and R.K. Skiles. 1991. College Station: Texas Cooperative Parks Study Unit..
14. **The wildlife connection: A directory of university programs in the borderlands of Mexico and the United States.** Packard, J.M., Carrera, J.A. and A. Madero-Enkerlin. 1991. College Station: Conservation and Sustainable Development Program..
15. **Ecotourism: a bibliography.** Packard, J.M., Sullivan, J.S., Miller, F.J. and Madero-Enkerlin, A. 1991. College Station: Conservation and Sustainable Development Program.
16. **An ecotourism bibliography.** Packard, J.M., Sullivan, J.S. and Miller, F.J. 1990. College Staiton: Conservation and Sustainable Development Program.
17. **Strategic plan for integrated studies addressing sustainability of natural and human resources.** Packard, J.M. 1989. College Station: Conservation and Sustainable Development Program.
18. **A computerized bibliography regarding conservation and sustainable development.** Pomeroy, C. and J.M. Packard. 1989. College Station: Conservation and

Sustainable Development Program.

19. Preliminary assessment of uncertainty involved in modeling manatee populations. Packard, J.M. 1985. Manatee Population Research Report No. 9. Technical Report No. 8-9. Gainesville: Florida Cooperative Fish and Wildlife Research Unit. 19 pp.
20. Manatee response to interrupted operation of the Fort Myers power plant, winter 1984/85. Packard, J.M., R.K. Frohlich, J.E. Reynolds, III, and J.R. Wilcox. 1985. Manatee Population Research Report No. 8. Technical Report No. 8-8. Gainesville: Florida Cooperative Fish and Wildlife Research Unit. 23 pp.
21. Development of manatee aerial survey techniques. Packard, J.M. 1985. Manatee Population Research Report No. 7. Technical Report No. 8-7. Gainesville: Florida Cooperative Fish and Wildlife Research Unit. 64 pp.
22. Review of manatee marking techniques. Packard, J.M. 1984. Manatee Population Research Report No. 6. Technical Report No. 8-6. Gainesville: Florida Cooperative Fish and Wildlife Research Unit. 29 pp.
23. Factors influencing indices of abundance of manatees in the Fort Myers region, winter 1983-84. Packard J.M., R.K. Frohlich, J.E. Reynolds, III and J.R. Wilcox. 1984. Manatee Population Research Report No. 5. Technical Report No. 8-5. Gainesville: Florida Cooperative Fish and Wildlife Research Unit. 63 pp.
24. Sample size estimates: A preliminary analysis of sample sizes required for mark-recovery and mark-resighting studies of manatees (Trichechus manatus) in Florida. Packard, J.M. and J.D. Nichols. 1983. Manatee Population Research Report No. 4. Technical Report No. 8-4. Gainesville: Florida Cooperative Fish and Wildlife Research Unit. 15 pp.
25. Correction factors for observability of manatees during aerial surveys. Packard, J.M., R.C. Summers and L.B. Barnes. 1983. Manatee Population Research Report No. 3. Technical Report No. 8-3. Florida Cooperative Fish and Wildlife Research Unit. University of Florida, Gainesville, Fla. 10 pp.
26. Analysis of manatee aerial surveys: a compilation and preliminary analysis of winter aerial surveys conducted in Florida between 1977 and 1982. Packard, J.M. and R. Mulholland. 1983. Manatee Population Research Report No. 2. Technical Report No. 8-2. Florida Cooperative Fish and Wildlife Research Unit. University of Florida, Gainesville, Fla. 132pp.
27. Proposed Research/Management Plan for Crystal River Manatees. Packard, J.M. 1983. Technical Report No. 7. Gainesville: Florida Cooperative Fish and Wildlife Research Unit. Volume I: Summary, 30 pp. Volume II: Technical Plan, 235 pp. Volume III: Compendium, 346 pp.
28. Compilation and mapping of available biological, ecological and socio-economic information bearing on the protection, management and restoration of the southern sea otter. Team Report. James Dobbin Ass., Inc. 1983. U.S. Fish and Wildlife Service, Contract 1416000981050.
29. Potential methods for limiting the movements and distribution of sea otters: assessment of research needs. Packard, J.M. 1982. National Technical Information Service. PB83-109926. 51 pp.
30. Abundance, distribution, and feeding habits of manatees (Trichechus manatus)

wintering between St. Lucie and Palm Beach Inlets, Florida. Packard, J.M. 1981. Report prepared for the U.S. Fish and Wildlife Service. Contract No. 14-16-0004-80-105. 142 pp.

**RESEARCH- THESIS
AND
DISSERTATION:**

Deferred reproduction in wolves (Canis lupus). Packard, J.M. 1980. Ph.D. Dissertation, University of Minnesota. Advisor: Dr. L. David Mech.

Intuitive and quantitative characterization of the behavioral profiles of Greylag geese (Anser anser). Packard, J. M. 1974. Senior Thesis, Swarthmore College. Advisors: Drs. Konrad Lorenz and Jeanne Marecek.

**RESEARCH GRANTS
- PRINCIPAL
INVESTIGATOR:**

(15 totaling \$131,000)

Big Thicket Association. 1/15/05-5/15/05. "Community Based Conservation and Science in Big Thicket National Preserve". \$24,020.

University of North Texas. 6/1/03-6/1/04. Wildlife Distribution in Relation to Landscape Connectivity within Lewisville Lake Environmental Learning Area. \$5,000.

The Summerlee Foundation. 1/1/99-12/31/99 "Evaluating and Using the Captive Wildlife Facilities Database". \$25,000.

Faculty Mini-grant Program. 4/1/98-10/1/98 "Enhanced Grantsmanship in Animal Behavior". \$1,000

The Summerlee Foundation, 9/15/97-9/14/98. "Captive Wildlife Facilities Database". #3,300.

International Enhancement Grant, Texas A&M University, 11/1/90 - 9/1/91. "Landscape Analysis of Wildlands in the Borderlands of Northeastern Mexico". \$800.

Private Donations, Austin Safari Club, Zachary Ranch, 7/1/90 - 7/1/91. "Successful Reintroduction of Game Species: Social Cohesion". \$2,000.

National Park Service, 04/01/89 - 04/01/91. "Behavior of High Risk Mountain Lions in Big Bend National Park". \$50,756.

Minigrant, Texas A&M University, 7/1/89 - 9/1/89. "Validating Isotope Dilution Estimates of Body Condition". \$995.

NIH Biomedical Research Support Grant, 04/01/87 - 03/31/88. "Post-partum Ovulation in Tayassu tajacu". \$8,058.

International Coordination, Texas A&M University, 4/27/87 - 12/31/87. "Biodiversity in Reserves of the Cameroon". \$1,500.

Mini-Grant, Texas A&M University, 09/02/85. "Participation in 4th International Theriological Congress". \$350.

Subcontract, University of Florida, 01/01/85 - 01/08/85. "Manatee Population Index and Mark/Recovery Methodology". \$11,500.

Contract, U. S. Fish and Wildlife Service, 09/01/80 - 09/01/81. "Distribution and Habitat of Manatees in Hobe Sound, Fl". \$8,000.

**RESEARCH GRANTS
- COLLABORATIVE:**

(15 totaling \$530,331)

National Science Foundation. 3/15/06-8/30/09. "Land Trusts: Mediating Science and Policy in Conservation Lands". \$150,835. With Priscilla Weeks.

Subcontract from U.S. Department of Agriculture, through Houston Advanced Research

Center, 9/1/05-8/31/08. "Linking Land Conservation and Rural Stakeholders through Cultural Model Research". \$40,000. With Priscilla Weeks and Michael Paolisso

National Science Foundation, 10/01-10/02. "Biology Team: Macro & Micro Living Worlds". With L. Griffing and R. James. Administered through the Center for Information, Technology and Science in Teaching and Learning.

The Yellowstone Park Foundation, 10/1/97-10/1/99. "Denning Behavior of Wolves on Yellowstone's Northern Range: Male and Female Strategies". \$10,000. With Linda Thurston.

Wildlife Conservation Society. 6/1/96-7/1/97. "Binational Collaboration in Recovery of Endangered Species: the Mexican Wolf as a Case Study". \$7,000. With Jose F. Bernal-Stoopen.

World Wildlife Fund, 9/1/91 - 8/31/93. "Reproduction, ecology and human impacts: a threatened endemic Mexican parrot (*Amazona viridigenalis*) and congeneric sympatric". \$24,560 + \$35,500. With E. Enkerlin.

Expanded Research Award, Texas A&M University, 7/1/89 - 6/30/91. "Ecotourism Development Strategies: A Conceptual Framework". \$52,137. With W. Stewart, R. Maggio

Program Development Fund, Texas A&M University, 12/15/88-08/31/89. "Development of a Geographic Information System". \$22,000. With D. Slack, K. Risenhoover, N. Silvy.

Organized Research, Texas A&M University, 10/22/85 - 08/31/86. "Workshop on Expert Systems in Wildlife Management". \$1,500. With J. Folse, W. Grant.

Welder Wildlife Foundation, 11/01/88-12/31/89. "Female Behavior of Attwater's Prairie Chicken". \$1,500. With M. DiMare, N. Silvy.

Pew Charitable Trusts, 10/01/88 - 10/10/89. "Integrated Approaches to Training in Conservation and Sustainable Development". \$67,494. With D.J. Schmidly, F. Smeins, K. Kimber, M. Murphy, D. Slack.

Expanded Research Award, Texas A&M University, 09/01/87 - 03/31/89. "Deer Movement Relative to Habitat Patches". \$22,000. With W. Holloway, K. Risenhoover.

National Rifle Association of America, 01/01/87 - 12/31/87. "Lactation and Reproduction in Collared Peccaries". \$2,000. With K. Babbitt.

Organized Research, Texas A&M University, 10/22/85 - 08/31/86. "Workshop on Expert Systems in Wildlife Management". \$1,500. With J. Folse, W. Grant.

U.S. Fish and Wildlife Service, 09/01/82 - 08/31/83. "Proposed Research/Management Plan for Crystal River Manatees". \$60,000. With R. Gregory, Florida Cooperative Wildlife Research Unit.

U.S. Fish and Wildlife Service, 09/01/82 - 08/31/85. "Manatee Population Index and Mark/Recovery Methodology". \$52,140. With R. Gregory, Florida Cooperative Wildlife Research Unit.

**SERVICE-
ACADEMIC:**

(2 student organizations,
17 WFSC,
9 COALS
6 interdisciplinary,

Member, Interdisciplinary Faculties: Applied Biodiversity Sciences (*chair, Curriculum Committee, 2008-2013), Marine Interdisciplinary Program, Ecology and Evolutionary Biology (affiliate)

Member of Interdisciplinary Team: Biology: Macro and Micro Living Worlds. Co-taught BIOL 685, SSII 2002. Academic advising: 12 in-service and post-service teachers in the graduate program of the ITS Center, TAMU.

7 TAMU)

Participant, Professional Development Workshops: Understanding the Tenure and Promotion Process, 2014; Demystifying the Tenure and Promotion Process, 2014; Plagiarism Workshop, 2009; Calibrated Peer Review, 2005; Migrating to Vista 2003; WebCT 2001; Dreamweaver 2001; **Challenges of Leadership on Teams, MIT Professional Institute Summer Session, July 2000;** Wakonse South Conference, Center for Teaching Excellence, March 2000; Microsoft Access Introduction I, Introduction II, Intermediate Computer Information Services, TAMU, Summer 1999; Putting your Course Online, PBS Adult Learning Satellite Service. TAMU campus, November 1997; TAMU Symposium Futurescapes II: Training Problem Solvers in Conservation and Sustainable Development, 1989; USAID International Training Short Course, 1987;

*Co-Advisor: The Society for Conservation Biology- TAMU Student Chapter (1993-2004, 2007-2011)

Member, TAMU Committees: none at present [Former: University Press Faculty Advisory Committee (1998-2001) Tenure Review Committee (Oceanography) (2000); Search Committee for Director, TAMU Press (1999); Working Group on Research on Conflict Resolution and Management (1996-1997); Lab Animal Care (1988); TAES Staff Conference (1989)]

Member, COALS Committees: Distance Education Advisory Committee [former: Association of Former Students' Distinguished Achievement Awards Selection Committee (2013) Search Committee for Associate Dean (1995); Organization of Tropical Studies at TAMU (1992-1993); Clayton Fund Scholarship in Sustainable Agriculture (1990-1993); Women in Development (1991-1992); "Antonio Narro" Committee (1991-1992); Task Force on Future of Renewable Natural Resources (1990-1991); Research Work Groups Subcommittee of TAES Staff Conference(1988)]

Member, WFSC Committees: Current: Graduate Affairs (1993-1998, 2011-2014), ; [former: Distance Education Working Group (2003-2013), Scholarship Committee (1999-2010); Animal Care (1993-1998, 2000-2006) ; Search Committee for Kleberg Chair (1995); Search Committee for Fisheries Ecologist (1995); Chair, Search Committee for Vertebrate/Wildlife Ecologist (1993); Library (1992); Small Ungulate Research Facility (1985-1990); Chair, Host Committee of Ungulate Behavior/Management Conference (1988); Systematic Teaching (1985); Undergraduate Affairs; Graduate Acceptance; Search Committee-Mammalogist; Advisory Committee-Uvalde; Seminar; Caesar Kleberg; Recruitment; Scholarship]

**SERVICE-
PROFESSIONAL:**

(4 state,
9 national,
4 international)

Mentor, Women's Faculty Network. 2009 to present.

Visiting Scientist, Fossil Rim Wildlife Center. 2011 to present.

Visiting Scientist, Center for Conservation Biology, Stanford University. 2004.
Sabbatical in the Parks Program, Big Thicket National Preserve. 2005.

Elected Member, Board of Governors, Society for Conservation Biology. 2000-03; Co-Chair SCB-CUBA ad hoc Committee 2001-2003

Member, 2000 Comprehensive Review Team, UF/IFAS Department of Wildlife Ecology and Conservation, Gainesville, FL March 2000

Participant, Evaluation of Recovery Plans, NCEAS, Washington D.C. (December 1999) and Santa Barbara (May 1999), Soc. Cons. Biol.

Participant, Predator Summit, Estes Park, November 1999.

Member, Adjunct Peer Review Group- Behavioral Assessment, U.S. Fish and Wildlife

Service, Albuquerque, NM. 1997-1998

Consultant, Ordenamiento Ecológico y Modelos para el Manejo Sostenible de los Ecosistemas de la Sierra Madre Oriental de Coahuila y Nuevo León, Instituto Tecnológico de Estudios Superiores de Monterrey, Monterrey, NL 1997-2000

Consultant, Behavioral and Husbandry Correlates to the Reintroduction Success of Mexican Wolves, Ft. Worth Zoo, Ft. Worth, TX 1996-97

Member, Governor's Task Force on Texas Nature Tourism, State of Texas, Austin, TX. 1993-94

Member, Ecological Ranking Working Group, State of Texas Environmental Priorities Project. U.S. Environmental Protection Agency and Texas Natural Resource Conservation Commission, Austin, TX, 1993

Board Member, Organization for Tropical Studies, Durham N.C. and San Jose, Costa Rica, 1991-1993

Member, Steering Committee, Center for Global Studies, Houston Advanced Research Council, Houston, TX, 1993-1995

Member, Task Force on Climate Change, Houston Advanced Research Council, Houston, TX, 1991-1995

Consultant, Marine Mammal Research Program, TAMU, for Earthwatch, Watertown, MA, 1991-92

Member, Committee of Scientific Advisors to the U.S. Marine Mammal Commission, Washington, D.C., 1985-1989

Member, Quality Control Board, University of Minnesota, Bureau of Land Management, U.S. Department of Commerce, 1983-1987

Consultant, James Dobbin Associates, Washington, D.C. 1982

Member, Advisory Council, "Guidelines for Educational Priorities and Curricular Innovations on Issues in Human/Animal Interactions", Biological Sciences Curriculum Study, Denver, CO, 1981-1982

Review Panel Member: National Research Initiative Competitive Grants Program of the U. S. Dep. of Agric. (1993, 1994).

Reviewer: Oxford Univ. Press, Ecol. Model., Aq. Mam., Amer. Midl. Natur., J. Comp. Psych., NSF Grants & Fellowship programs., J. Wildl. Manage.; Wildl. Soc. Bull.; Oryx, Anim. Behav.; U.S. Civilian Res. & Dev. Fdn., IFAS-Univ. Fl., Behav.; Al. Dept. Fish & Game; Wildl. Biol. Soc.; Ethology; TAMU Press; Lincoln Park Neotropical Fund; USDA Comp. Grants Prog.; Behav. Ecol.; Can. J. Zool.; Soc. Nat. Res.; Acta Zool. Mex.; Am. Nat.; Mar. Mamm. Sci.; Nat. Geogr. Soc. Grants Prog.

Member of Professional Societies: Anim. Behav. Soc.; Soc. Cons. Biol. [former: The Wildl. Soc., Phi Beta Delta; The George Wright Society, Mar. Mammal Soc., AAAS, Sigma Xi]

Meetings attended in last 5 yrs: Soc. Cons. Biol. (1989-91, 1994, 2000-06, 08-12),

**SERVICE-
INTERNATIONAL
(WITHIN LAST 10**

External Reviewer, Doctoral Dissertation Committee. Barbara Molnar. May 22, 2012. Université de Neuchâtel, Switzerland

Mentor, for Julie Dockery, Graduate Fellow at the Chinese Academy of Sciences,

YEARS):

Beijing, China, Graduate Research Summer Institutes Program, NSF Office of International Science and Engineering. June- August 2004.

Participant. PRAGMA Conference, Chinese Academy of Sciences, Beijing, People's Republic of China. May 17-19, 2004.

Participant, Cultural Impacts on IT-based Science Education. Travel hosted by the Chinese Academy of Sciences, funded by a NSF grant to the ITS Center, May 16-28, 2004.

Participant, US-China Research Roundtable on Cultural Impacts on IT-based Science Education. China-U.S. Relations: Past, Present, and Future, Texas A&M University. Nov. 5-8, 2003.

Invited Lecture, Women and the Environment: female and male roles. Bush School for Public Policy. 2003

Co-Chair, Ad Hoc Committee for Scientific Exchange with Cuba. Society for Conservation Biology. Aug. 2001-May 2003. Workshop November 2002.

Invited participant on Panel: "Women, Wildlife and the Environment". United Nations Conference. Dallas. Nov. 6-7, 1999.

Participant: Field site visit to participatory development project at San Carlos, Tamaulipas. May 2000.

Hosted 1-week visit from the Director, Centro de Investigacion Social, Universidad Autonoma de Tamaulipas, Mexico related to Participatory Approaches for sustainable rural development and conservation of natural resources. January 1999.

Invited Participant in "Manatee Recovery Group Meeting". SEMARNAP. Villahermosa, Mexico. March 1998.

Presentation: "Binational Collaboration in Endangered Species Recovery". TAMU Center, Mexico City, Mexico. February 1998.

Outside Member on Doctoral Committee for : Barbara Molnar, Universite de Neuchatel, Switzerland, 2012; Simon Gadbois, Dalhousie University, Nova Scotia, Canada, 1998; Cecilia Montemayor, Universidad Autonoma de Tamaulipas. 1999

Invited lecture and participation in panel discussion in the workshop "U.S.-Mexican Cooperation in the Conservation of Rare Mammals", International Theriological Conference, September 11, 1997.

Invited lecture at a international symposium "Social Learning among Mammals", Primate Society of Great Britain, Mammal Society, and Zoological Society of London, London, November 29-30, 1996.

Participant in "Workshop on Texas/Mexico Cooperation" at TAES Agricultural Program Conference, College Station, Jan. 11, 1997.

Advisor to "Ordenamiento Ecológico y Modelos para el Manejo Sostenible de los Ecosistemas de la Sierra Madre Oriental de Coahuila y Nuevo León" ITESM, Monterrey, Nuevo Leon (1997-2000)

External advisor on doctoral committee at Universidad Autonoma de Tamaulipas for Cecilia Montemayor (1996-present)

Co-coordinator of binational Field Course at El Cielo Biosphere Reserve (1996)

Co-facilitated Study Abroad course to Dominica (18 undergraduate students; 1995)

Invited by the government of Italy to participate in a symposium regarding biology and

conservation of wolves (1994).

Advised a doctoral candidate on field study of dolphins; site visit to Bahamas (1994).

Advised Mexican student on development of project regarding attitudes and knowledge regarding nature guiding in El Cielo Biosphere Reserve, Tamaulipas, Mexico (1993-1995)

**SERVICE-
COMMUNITY:**

Certified Member, Texas Master Naturalist, Brazos Valley Chapter (2005-2012)

Proposal Review Committee, Houston Zoological Gardens (2008- present)

Scientific Advisor. Fossil Rim Wildlife Center (2004- present)

Faculty Co-Advisor, BioBlitz 2000-04, 2008-11, College Station, Texas

Member, Board of Trustees, Earth Promise, Glen Rose, TX (Vice President 2000-2001; Treasurer 1992-99)

Member, Board of Trustees, Brazos Valley Museum, Bryan (1988-1990)

Invited Lecturer for Texas Master Naturalists (Bryan, TX), Big Thicket Association (Saratoga, TX), Residence Hall Association (Hart Hall), Sierra Club, Main Street Book Store (Warner, N.H.), Rotary Club, Brazos Valley Museum, Unitarian Fellowship