

**CURRICULUM VITAE
BRIAN K. SULLIVAN**

**Arizona State University
School of Mathematical and Natural Sciences
P. O. Box 37100
Phoenix, AZ 85069-7100
Ph: (602) 543-6022
e-mail: bsullivan@asu.edu**

ACADEMIC/PROFESSIONAL POSITIONS

2002-present	Professor	Arizona State University
2010-2011	Associate Editor	<i>Herpetological Conservation & Biology</i>
2000-2006	Editor	<i>Journal of Herpetology</i>
1997-1999	Associate Editor	<i>Evolution</i>
1996	Visiting Scientist	University of Western Australia
1993-2002	Associate Professor	Arizona State University West
1989-2000	Associate Editor	<i>Journal of Herpetology</i>
1989-1993	Interim Coordinator	Arizona State University West
1989-1993	Assistant Professor	Arizona State University West
1987-1989	Assistant Professor	University of Maine, Orono
1985-1987	Lecturer	University of Texas, Austin
1984-1985	Research/faculty Associate	Arizona State University
1983	Maytag Graduate Fellow	Arizona State University
1982-1983	Assistant Curator	Arizona State University
1981-1982	Teaching Associate	Arizona State University
1979-1981	Teaching Assistant	Arizona State University

EDUCATION

	<u>Year</u>	<u>Degree</u>
Arizona State University, Tempe	1983	Ph.D.
University of California, Berkeley	1979	A. B.

PUBLICATIONS

REFEREED JOURNAL ARTICLES (bold indicates undergraduate/graduate student)

78) Sullivan, B. K., **K. O. Sullivan**, T. D. Schwaner, and J. Wooten. In prep. Twenty-five years of hybridization between Arizona toads (*Bufo microscaphus*) and Woodhouse's toads (*Bufo woodhousii*) in central Arizona: stability in spite of habitat alteration. *Evolution*.

77) J. W. Walker, B. K. Sullivan, **K. O. Sullivan**, M. R. Douglas, and M. E. Douglas. In review. Evolutionary, ecological and morphological distinctiveness of an Arizona endemic lizard, the pai striped whiptail (*Aspidoscelis pai*). *Herpetological Conservation and Biology*, x:xxx-xxx.

76) Sullivan, B. K., and **K. O. Sullivan**. In review. Common chuckwalla (*Sauromalus ater*) populations in the Phoenix: stability and longevity in urban preserves. *Herpetological Conservation and Biology*, x:xxx-xxx.

- 75) Gunn, J., R. W. Bowker, **K. O. Sullivan**, and B. K. Sullivan. In press. An Old World skink, *Chalcides ocellatus*, with a long history of anthropogenically assisted dispersal, now established in Mesa, Arizona, USA. *Herpetological Review*, XX:xx-xx.
- 74) Loughran, C. L., E. M. Nowak, **J. X. Schofer**, **K. O. Sullivan** and B. K. Sullivan. In review. Lagomorph prey of western diamondback rattlesnakes (*Crotalus atrox*) in Arizona. *Sonoran Desert Herpetologist*, XX:xx-xx.
- 73) Jones, T. R., R. D. Babb, F. Hensley, **C. LiWanPo**, and B. K. Sullivan. 2011. Sonoran Desert snake communities at two sites: concordance and effect of increased road traffic. *Herpetological Conservation and Biology*, 6:61-71.
- 72) Douglas, M.R., M. R. Douglas, G. W. Schuett, D. Beck, and B.K. Sullivan. 2010. Conservation phylogenetics of helodermatid lizards using multiple markers and a supertree approach. *Molecular Phylogenetics and Evolution*, 55:153-167.
- 71) Sullivan, B. K., and **R. E. Williams**. 2010. Common chuckwalla (*Sauromalus ater*) in urban preserves: do food plants or crevice retreats influence abundance? *Herpetological Conservation and Biology*, 5(1):102-110.
- 70) Sullivan, B. K. 2009. Mate recognition, species boundaries and the fallacy of "species recognition." *The Open Zoology Journal*, 2:86-90.
- 69) Sullivan, B. K. 2009. The greening of public land grazing in the southwestern United States. *Conservation Biology*, 23:1047-1049.
- 68) Schwaner, T. D. and B. K. Sullivan. 2009. Fifty years of hybridization: introgression between the Arizona Toad (*Bufo microscaphus*) and Woodhouse's Toad (*B. woodhousii*) along Beaver Dam Wash in Utah. *Herpetological Conservation and Biology*, 4(2):198-206.
- 67) Kwiatkowski, M. A., G. W. Schuett, R. A. Repp, **E. Nowak**, and B. K. Sullivan. 2008. Does urbanization influence the Spatial Ecology of Gila Monsters in the Sonoran Desert? *Journal of Experimental Biology*, 276:350-357.
- 66) Sullivan, B.K. and **K. O. Sullivan**. 2008. Common chuckwalla (*Sauromalus ater*) populations in the Phoenix Metropolitan area: stability in urban preserves. *Herpetological Conservation and Biology*, 3(2):149-154.
- 65) **P. S. Hamilton**, **D. E. Gaalema**, and B. K. Sullivan. 2008. Short-term changes in dorsal reflectance for background matching in ornate tree lizards (*Urosaurus ornatus*). *Amphibia-Reptilia*, 29:473-477.
- 64) Sullivan, B. K. and M. A. Kwiatkowski. 2007. Courtship displays in anurans and lizards: theoretical and empirical contributions to our understanding of costs and selection on males due to female choice. *Functional Ecology*, 21:666-675.
- 63) Lappin, K. R., **P. S. Hamilton**, and B. K. Sullivan. 2006. Bite-force performance and head shape in a sexually dimorphic crevice dwelling lizard, the common chuckwalla (*Sauromalus ater* [=obesus]). *Biological Journal of the Linnean Society*, 88:215-222.
- 62) **Hamilton, P. S., D. E. Gaalema, S. L. Laage**, and B. K. Sullivan. 2005. A photographic method for quantifying color characteristics and color patch dimensions in lizards. *Herpetological Review*, 36:402-406.
- 61) **Hamilton, P. S.**, and B. K. Sullivan. 2005. Female mate choice in ornate tree lizards (*Urosaurus ornatus*): a multivariate analysis. *Animal Behaviour*, 69:219-224.
- 60) **Gergus, E. W. A.**, T. W. Reeder, and B. K. Sullivan. 2004. Geographic variation in *Hyla wrightorum*: advertisement calls, allozymes, mtDNA, and morphology. *Copeia*, 2004(4):758-769.

- 59) **Goldberg, C. S., B. K. Sullivan, J. H. Malone,** and C. R. Schwalbe. 2004. Divergence among barking frogs (*Eleutherodactylus augusti*) in the southwestern United States. *Herpetologica*, 60(3):312-320.
- 58) Sullivan, B. K., **M. A. Kwiatkowski,** and G. W. Schuett. 2004. Translocation of urban Gila Monsters: a problematic conservation tool. *Biological Conservation*, 117(3):235-242.
- 57) Sullivan, B. K., **M. A. Kwiatkowski,** and **P. S. Hamilton.** 2004. Growth in Sonoran Desert populations of the common chuckwalla (*Sauromalus obesus*). *Western North American Naturalist*, 64(1): 137-140.
- 56) **Kwiatkowski, M. A.** and B. K. Sullivan. 2002. Geographic variation in sexual selection among populations of an iguanid lizard, *Sauromalus obesus* (= *ater*). *Evolution*, 56:2039-2051.
- 55) Masta, S. E., B. K. Sullivan, T. Lamb, and E. J. Routman. 2002. Molecular systematics, hybridization, and phylogeography of the *Bufo americanus* complex in eastern North America. *Molecular Phylogenetics and Evolution*, 24:302-314.
- 54) **Kwiatkowski, M. A.** and B. K. Sullivan. 2002. Mating system structure and population density in a polygynous lizard, *Sauromalus obesus* (= *ater*). *Behavioral Ecology*, 13:201-208.
- 53) **Malmos, K. B.,** B. K. Sullivan, and T. Lamb. 2001. Calling behavior and directional hybridization between two toads (*Bufo microscaphus* X *B. woodhousii*) in Arizona. *Evolution*, 55:626-630.
- 52) Sullivan, B. K., **E. W. A. Gergus, K. B. Malmos,** and R. W. Bowker. 2000. Evolutionary implications of advertisement call variation in *Bufo debilis*, *B. punctatus* and *B. retiformis*. *Journal of Herpetology*, 34:368-374.
- 51) Sullivan, B. K. 2000. Long-term shifts in snake populations: a California site revisited. *Biological Conservation*, 94:321-325.
- 50) Lamb, T., B. K. Sullivan, and **K. B. Malmos.** 2000. Mitochondrial gene markers for the hybridizing toads *Bufo microscaphus* and *Bufo woodhousii* in Arizona. *Copeia*, 2000:234-237.
- 49) Sullivan, B. K. and P. J. Fernandez. 1999. Breeding activity and estimated age-structure of a Sonoran Desert anuran community. *Herpetologica*, 55:334-343.
- 48) **Gergus, E. W. A., K. B. Malmos,** and B. K. Sullivan. 1999. Hybrids between distantly related toads (*Bufo alvarius*, *B. cognatus*, and *B. woodhousii*) from central Arizona. *Copeia*, 1999:281-286.
- 47) Sullivan, B. K. and **M. Flowers.** 1998. Large iguanid lizards of urban mountain preserves in northern Phoenix, Arizona. *Herpetological Natural History*, 6:13-22.
- 46) **Gergus, E. W. A.,** B. K. Sullivan, and **K. B. Malmos.** 1997. Call variation in the *Bufo microscaphus* complex: implications for species boundaries and the evolution of mate recognition. *Ethology*, 103:979-989.
- 45) Sullivan, B. K., C. R. Propper, **M. J. Demlong,** and **L. A. Harvey.** 1996. Natural hermaphroditic toad (*Bufo microscaphus* X *Bufo woodhousii*). *Copeia*, 1996:470-472.
- 44) Sullivan, B. K., R. W. Bowker, **K. B. Malmos,** and **E. W. A. Gergus.** 1996. Arizona distribution of three Sonoran Desert anurans: *Bufo retiformis*, *Gastrophryne olivacea*, and *Pternohyla fodiens*. *Great Basin Naturalist*, 56:38-47.
- 43) Goldberg, S. R., C. R. Bursey, **E. W. A. Gergus,** B. K. Sullivan, and **Q. A. Truong.** 1996. Helminths from three treefrogs, *Hyla arenicolor*, *Hyla wrightorum*, and *Pseudacris triseriata* (Hylidae) from Arizona. *Journal of Parasitology*, 82(5):833-835.

- 42) Goldberg, S. R., C. R. Bursley, **K. B. Malmos**, B. K. Sullivan, and **H. Cheam**. 1996. Helminths of the Southwestern toad *Bufo microscaphus*, Woodhouse's toad *Bufo woodhousii*, and their hybrids from central Arizona, U.S.A. *Great Basin Naturalist*, 56(4):369-374.
- 41) Sullivan, B. K., **K. B. Malmos**, and M. F. Given. 1996. Systematics of the *Bufo woodhousii* complex (Anura: Bufonidae): advertisement call variation. *Copeia*, 1996:274-280.
- 40) Goldberg, S. R., C. R. Bursley, B. K. Sullivan, and **Q. A. Truong**. 1996. Helminths of the Sonoran green toad, *Bufo retiformis* (Bufonidae), from southern Arizona. *Journal of the Helminthological Society, Washington*, 63:120-122.
- 39) **Wagner, W. E., Jr.** and B. K. Sullivan. 1995. Sexual selection in the Gulf Coast toad (*Bufo valliceps*): Female choice based on variable characters. *Animal Behaviour*, 49(2):305-319.
- 38) Sullivan, B. K. 1995. Temporal stability in hybridization between *Bufo microscaphus* and *Bufo woodhousii*: behavior and morphology. *Journal of evolutionary Biology*, 8:233-247.
- 37) Sullivan, B. K. and **K. B. Malmos**. 1994. Call variation in the Colorado River toad (*Bufo alvarius*): Behavioral and phylogenetic implications. *Herpetologica*, 50(2):146-156.
- 36) Sullivan, B. K. 1993. Distribution of the southwestern toad (*Bufo microscaphus*) in Arizona. *Great Basin Naturalist*, 53:402-406.
- 35) Sullivan, B. K. 1992. Calling behavior of the southwestern toad (*Bufo microscaphus*). *Herpetologica*, 48(4):383-389.
- 34) Sullivan, B. K. 1992. Sexual selection and calling behavior in the American toad (*Bufo americanus*). *Copeia*, 1992(1):1-7.
- 33) **Wagner, W. E., Jr.** and B. K. Sullivan. 1992. Chorus organization in the Gulf Coast toad (*Bufo valliceps*): male and female behavior and the opportunity for sexual selection. *Copeia*, 1992(3):647-658.
- 32) Sullivan, B. K. and **S. H. Hinshaw**. 1992. Female choice and selection on male calling behaviour in the gray treefrog (*Hyla versicolor*). *Animal Behaviour*, 44:733-744.
- 31) Sullivan, B. K. 1991. Parasites and sexual selection: separating causes and effects. *Herpetologica*, 47:250-264.
- 30) **Hinshaw, S. H.** and B. K. Sullivan. 1990. Predation on *Hyla versicolor* and *Pseudacris crucifer* during reproduction. *Journal of Herpetology*, 24:196-197.
- 29) Sullivan, B. K. and **S. H. Hinshaw**. 1990. Variation in advertisement calls, and male calling behavior in the spring peeper (*Pseudacris crucifer*). *Copeia*, 1990(4):1116-1120.
- 28) Sullivan, B. K. 1990. Natural hybrid between the Great Plains toad (*Bufo cognatus*) and the red-spotted toad (*Bufo punctatus*) from central Arizona. *Great Basin Naturalist*, 50:371-372.
- 27) Ryan, M. J. and B. K. Sullivan. 1989. Transmission effects on the temporal structure in the advertisement calls of two toads, *Bufo woodhousii* and *Bufo valliceps*. *Ethology*, 80:182-187.
- 26) Sullivan, B. K. 1989. Passive and active female choice: a comment. *Animal Behaviour*, 37:692-694.
- 25) Sullivan, B. K. 1989. Interpopulational variation in vocalizations of *Bufo woodhousii*. *Journal of Herpetology*, 23:368-373.
- 24) Sullivan, B. K. 1989. Desert environments and the structure of anuran mating systems. *Journal of Arid Environments*, 17(2):175-183.

- 23) Sullivan, B. K. 1989. Mating system variation in Woodhouse's toad (*Bufo woodhousii*). *Ethology*, 83:60-68.
- 22) Price, A. and B. K. Sullivan. 1988. *Bufo microscaphus*, the Southwestern Toad. Species account, *Catalogue American Amphibians and Reptiles*, 415:1-3.
- 21) Sullivan, B. K. and T. Lamb. 1988. Hybridization between the toads *Bufo microscaphus* and *Bufo woodhousii* in Arizona: variation in release calls and allozymes. *Herpetologica*, 44:325-333.
- 20) Sullivan, B. K. and **W. E. Wagner, Jr.** 1988. Variation in release and advertisement calls, and social influence on calling behavior in the Gulf Coast toad (*Bufo valliceps*). *Copeia*, 1988:1014-1020.
- 19) Sullivan, B. K. 1987. Sexual selection in Woodhouse's toad (*Bufo woodhousei*). III. Seasonal variation in male mating success. *Animal Behaviour*, 35:912-919.
- 18) Sullivan, B. K. and M. R. Leek. 1987. Acoustic communication in Woodhouse's toad (*Bufo woodhousei*). II. Female response to variation in spectral and temporal components of advertisement calls. *Behaviour*, 103:16-26.
- 17) Sullivan, B. K. 1986. Hybridization between the toads *Bufo microscaphus* and *Bufo woodhousei* in Arizona: morphological variation. *Journal of Herpetology*, 20:11-21.
- 16) Sullivan, B. K. 1986. Advertisement call variation in the Arizona treefrog *Hyla wrightorum* Taylor, 1938. *Great Basin Naturalist*, 46:378-381.
- 15) Sullivan, B. K. 1986. Intra-populational variation in the intensity of sexual selection in breeding aggregations of Woodhouse's toad (*Bufo woodhousei*). *Journal of Herpetology*, 20:88-90.
- 14) Sullivan, B. K. and M. R. Leek. 1986. Acoustic communication in Woodhouse's toad (*Bufo woodhousei*). I. Male response to variation in spectral and temporal components of advertisement calls. *Behaviour*, 98:305-319.
- 13) Sullivan, B. K. 1985. Male calling behavior in response to playback of conspecific advertisement calls in two North American bufonids. *Journal of Herpetology*, 19:78-83.
- 12) Sullivan, B. K. 1985. Sexual selection and mating system variation in pelobatids and bufonids of the Arizona-Sonoran Desert. *Great Basin Naturalist*, 45:688-696.
- 11) Sullivan, B. K. and E. A. Sullivan. 1985. Variation in advertisement calls and male mating success of *Scaphiopus bombifrons*, *S. couchi* and *S. multiplicatus* (Pelobatidae). *Southwestern Naturalist*, 30:349-355.
- 10) Sullivan, B. K. and G. E. Walsberg. 1985. Call rate and aerobic capacity in Woodhouse's toad (*Bufo woodhousei*). *Herpetologica*, 41:404-407.
- 9) Sullivan, B. K. 1984. Advertisement call variation and observations on breeding behavior of *Bufo debilis* and *B. punctatus*. *Journal of Herpetology*, 18:406-411.
- 8) Sullivan, B. K. 1984. Size dimorphism in anurans: a comment. *American Naturalist*, 123:721-724.
- 7) Sullivan, B. K. 1983. Sexual selection in Woodhouse's toad (*Bufo woodhousei*). II. Female choice. *Animal Behaviour*, 31:1011-1017.
- 6) Sullivan, B. K. 1983. Sexual selection in the Great Plains toad (*Bufo cognatus*). *Behaviour*, 84:58-64.
- 5) Sullivan, B. K. 1982. Sexual selection in Woodhouse's toad (*Bufo woodhousei*) I. Chorus organization. *Animal Behaviour*, 30:680-686.
- 4) Sullivan, B. K. 1982. Significance of size, temperature and call attributes to sexual selection in *Bufo woodhousei australis*. *Journal of Herpetology*, 16:103-106.

- 3) Sullivan, B. K. 1982. Male mating behaviour in the Great Plains toad (*Bufo cognatus*). *Animal Behaviour*, 30:939-940.
- 2) Sullivan, B. K. 1981. Observed differences in body temperature and associated behavior of four snake species. *Journal of Herpetology*, 15:245-246.
- 1) Sullivan, B. K. 1981. Distribution and relative abundance of snakes along a transect in California. *Journal of Herpetology*, 15:247-248.

BOOKS AND VOLUME CHAPTERS (bold indicates undergraduate/graduate student)

- 16) Sullivan, B. K. 2012. Grazing. Pp. XX-XX. In: *Guidelines for managers of Southwest ecosystems*. R. Lovich, ed. XX Press.
- 15) Sullivan, B. K., R. Vanhaverbeke, and C. Chambers. 2012. Anthropogenic impacts on wildlife of the arid Southwest. Pp. XXX-XXX. In: *Wildlife and Development*. Richard Malloy, ed. University of Arizona Press. **Peer-reviewed.**
- 14) Sullivan, B. K. 2012. Road riding. Pp. 215-218. In: *Reptile Biodiversity: Standard Methods for Inventory and Monitoring*. R.W. McDiarmid, M. S. Foster, C. Guyer, J. W. Gibbons, and N. Chernoff, eds. U.C. Press, Berkeley, CA. 424 pp.
- 13) Kwiatkowski, M. A., L. L. C. Jones, and B. K. Sullivan. 2009. Common Chuckwalla. Pp. 135-138. In: *Lizards of the American Southwest: A Photographic Field Guide*. Lawrence L. C. Jones and Robert E. Lovich, eds. Rio Nuevo Publishers, Tucson, Arizona. **Peer-reviewed.**
- 12) Sullivan, B. K. 2009. Pai Striped Whiptail. Pp. 374-377. In: *Lizards of the American Southwest: A Photographic Field Guide*. Lawrence L. C. Jones and Robert E. Lovich, eds. Rio Nuevo Publishers, Tucson, Arizona. **Peer-reviewed.**
- 11) Sullivan, B. K. 2009. Arizona Striped Whiptail. Pp. 326-329. In: *Lizards of the American Southwest: A Photographic Field Guide*. Lawrence L. C. Jones and Robert E. Lovich, eds. Rio Nuevo Publishers, Tucson, Arizona. **Peer-reviewed.**
- 10) Sullivan, B. K. 2009. Tiger Whiptail. Pp. 394-397. In: *Lizards of the American Southwest: A Photographic Field Guide*. Lawrence L. C. Jones and Robert E. Lovich, eds. Rio Nuevo Publishers, Tucson, Arizona. **Peer-reviewed.**
- 9) Sullivan, B. K., **P. S. Hamilton**, and **M. A. Kwiatkowski**. 2005. The Arizona striped whiptail: past and present. Pp. 145-148 in: *Connecting Mountain Islands and Desert Seas: Biodiversity and Management of the Madrean Archipelgo II* (ed. by G. J. Gottfried, B. S. Gebow, L. G. Eskew, and C. B. Edminster). Proceedings RMRS-P-36, USDA, FS, Rocky Mtn Research Station, 631 pp. **Peer-reviewed.**
- 8) Sullivan, B. K. 2005. Southwestern Desert Bufonids. Chapter 32, Pp.237-240. In: *Amphibian Declines: the Conservation Status of United States Species*. Ed. by M. Lanoo. University of California Press.
- 7) Sweet, S. S., and B. K. Sullivan. 2005. *Bufo californicus* Camp, 1915: Arroyo toad. Pp. 396-400. In: *Amphibian Declines: the Conservation Status of United States Species*. Ed. by M. Lanoo. University of California Press.
- 6) Sullivan, B. K. 2005. *Bufo woodhousii* Girard, 1854: Woodhouse's toad. Pp. 438-440. In: *Amphibian Declines: the Conservation Status of United States Species*. Ed. by M. Lanoo. University of California Press.
- 5) Sullivan, B. K. 2005. *Bufo punctatus* Baird and Girard, 1852: Red-spotted toad. Pp. 430-432. In: *Amphibian Declines: the Conservation Status of United States Species*. Ed. by M. Lanoo. University of California Press.

- 4) **Gergus, E. W. A., E. Wallace** and B. K. Sullivan. 2005. *Hyla wrightorum (eximia)* Taylor, 1938: Arizona treefrog. Pp. 461-463. In: *Amphibian Declines: the Conservation Status of United States Species*. Ed. by M. Lanoo. University of California Press.
- 3) Schwaner, T. D., and B. K. Sullivan. 2005. *Bufo microscaphus* Cope, 1867 "1866": Arizona toad. Pp. 422-424. In: *Amphibian Declines: the Conservation Status of United States Species*. Ed. by M. Lanoo. Univ. of California Press.
- 2) Sullivan, B. K., M. J. Ryan, and P. A. Verrell. 1995. Female choice and mating system variation in anurans and urodeles. Pp. 469-517. In: *Amphibian Biology: Social Behavior* (H. Heatwole, B. K. Sullivan, Eds.). Surrey Beatty & Sons, Ltd.
- 1) Heatwole, H. and B. K. Sullivan (Eds.). 1995. *Amphibian Biology: Social Behavior*. Surrey Beatty & Sons, Ltd. 291 pp.

TECHNICAL COMMENTS/REPORTS (bold indicates undergraduate/graduate student)

- 15) Sullivan, B. K. and **K. O. Sullivan**. 2012. *Thamnophis elegans* (Terrestrial Gartersnake): Defensive Behavior. *Herpetological Review*, 43:153-154.
- 14) Sullivan, B. K. 2004. Distribution and status of the Arizona Striped Whiptail (*Aspidoscelis arizonae*). Technical report submitted to the Arizona Game and Fish Department, 1 November 2004, 35 pp + 19 pp App.
- 13) Sullivan, B. K., **M. A. Kwiatkowski**, and G. W. Schuett. 2003. Gila Monsters and urban conflicts: translocation as a conservation tool with a large, venomous, and protected reptile--Urban Gila Monsters (*Heloderma suspectum*) in Arizona. Technical report submitted to the Arizona Game and Fish Department, 31 January 2003, 29 pp + 1 p Appendix.
- 12) Sullivan, B.K., G. W. Schuett and **M. A. Kwiatkowski**. 2002. Natural history observations: *Heloderma suspectum* (Gila monster). Mortality/predation? *Herpetological Review* 33:135-136.
- 11) Sullivan, B. K., **P. S. Hamilton**, and **M. A. Flowers**. 2001. A survey of the Arizona whiptail, *Cnemidophorus arizonae* (= *C. inornatus arizonae*), in southeastern Arizona. Technical report submitted to the Arizona Game and Fish Department, 31 January 2001, 16 pp + 73 pp Appendix.
- 10) Sullivan, B. K., **M. A. Flowers**, and R. W. Bowker. 1999. Chuckwalla lizards of urban mountain preserves. Technical report submitted to the Arizona Game and Fish Department, 31 December 1999, 46 pp.
- 9) **Flowers, M. A.** and B. K. Sullivan. 1999. Geographic distribution: *Crotaphytus collaris*. *Herpetological Review* 30:173.
- 8) **Gergus, E. W. A.**, T. Reeder, and B. K. Sullivan. 1998. Demography, population genetics, and systematics of Huachuca tree frogs (*Hyla eximia*): taxonomy and conservation implications. Technical report submitted to the Arizona Game and Fish Department, 1 December 1998, 38 pp.
- 7) **Gergus, E. W. A.**, B. K. Sullivan, and B. D. Hollingsworth. 1998. Population genetic structure of chuckwallas (*Sauromalus obesus*) in the Phoenix metropolitan area. Technical report submitted to the Arizona Game and Fish Department, 14 April 1998, 49 pp.
- 6) Sullivan, B. K. 1997. Arizona toad stays with the flow. *Bajada*, 5(3):13.
- 5) Sullivan, B. K., R. W. Bowker, and **M. Flowers**. 1997. Lizards of mountain preserves of Phoenix. Technical report submitted to the Arizona Game and Fish Department, 31 December 1997, 46 pp.

- 4) Sullivan, B. K., P. J. Fernandez, R. W. Bowker, **K. B. Malmos**, and **E. W. A. Gergus**. 1996. Urban amphibians: county flood control sites. Technical report submitted to the Arizona Game and Fish Department, 31 December 1996, 76 pp.
- 3) Sullivan, B. K., R. W. Bowker, **E. W. A. Gergus**, and **K. B. Malmos**. 1994. Arizona distribution of three Sonoran Desert anurans: *Bufo retiformis*, *Gastrophryne olivacea*, and *Pternohyla fodiens*. Technical Report submitted to the Arizona Game and Fish Department, 31 December 1994, 79 pp.
- 2) Bowker, R. W. and B. K. Sullivan. 1991. Anura: *Bufo punctatus* X *B. retiformis* natural hybridization. Herpetological Review, 22:54.
- 1) Sullivan, B. K. 1991. Distribution and status of the Arizona toad. Technical Report submitted to the Arizona Game and Fish Department, 15 November 1991, 38 pp.

BOOK REVIEWS (non-refereed)

- 5) Sullivan, B. K. 2008. Amphibian Behavior and Ecology. *Animal Behaviour*, 76:249-251.
- 4) Sullivan, B. K. 2002. Anuran communication. *Quarterly Review of Biology*, 77:73-74.
- 3) Sullivan, B. K. 2000. A long-awaited guide to the Sonoran Desert arrives. *Journal of Biogeography*, 27:783-784.
- 2) Sullivan, B. K. 1998. Manu: the biodiversity of southeastern Peru. *Quarterly Review of Biology*, 73:529-530.
- 1) Sullivan, B. K. 1997. Frogs of the genus *Eleutherodactylus* (Leptodactylidae) in western Ecuador: Systematics, ecology, and biogeography. *Copeia*, 1997:904-906.

GRANTS/RESEARCH SUPPORT

INTERNAL

- 2005:** Species boundaries in the tiger whiptail lizard. B. K. Sullivan, PI. ASU West, Scholarly Research and Creative Activity Fund, \$4,250.
- 2001:** Sexual selection, natural selection and DNA determination of paternity in tree lizards. B. K. Sullivan, PI. ASU West, Scholarly Research and Creative Activity Fund, \$5,490.
- 1997:** Hybrid zone dynamics in toads. B. K. Sullivan, PI. Research Incentive Award, OVPRSI, \$9,962.
- 1995:** Diversity and abundance of snakes across community boundaries. B. K. Sullivan, PI. ASU West, Scholarly Research and Creative Activity Fund, \$1,466.
- 1992:** Speciation and sexual selection in Sonoran Desert amphibians. B. K. Sullivan, PI. ASU West, Summer Research Grant, \$5,864; Geographic variation in hybridization between two toads. B. K. Sullivan, PI. ASU, Faculty Grant-in-Aid, \$5,461.
- 1991:** Geographic variation in hybridization between two toads. B. K. Sullivan, PI. ASU West, Summer Research Grant, \$3,786; The evolutionary significance of hybridization between two amphibians in Arizona. B. K. Sullivan, PI. ASU, Faculty Grant-in-Aid, \$4,000.
- 1988-1989:** Acoustic communication in the American toad. B. K. Sullivan, PI. UM, Faculty Research Fund, \$5,210.
- 1984-1986:** Acoustic communication and sexual selection in an Arizona amphibian. B. K. Sullivan, PI. ASU, University Research Fund, \$18,000.

EXTERNAL

2002-2005: Distribution and status of Arizona whiptail lizards in Arizona. B. K. Sullivan, PI. Arizona Game and Fish Department, \$55,000.

2000-2001: Distribution and status of Arizona whiptail lizards in Arizona. B. K. Sullivan, PI. Arizona Game and Fish Department, \$7,500.

1999-2003: Gila monsters and urban conflicts. B. K. Sullivan and G. W. Schuett, CoPIs. Arizona Game and Fish Department, \$55,900.

1997-2000: Chuckwalla lizards in urban mountain preserves. B. K. Sullivan, PI. Arizona Game and Fish Department, \$50,202.

1996-1998: Huachuca treefrog/rare species survey. B. K. Sullivan and E. W. A. Gergus, CoPIs. Arizona Game and Fish Department, \$33,750.

1995-1998: Lizards of mountain preserves in Phoenix. B. K. Sullivan, PI. Arizona Game and Fish Department, \$33,979.

1995-1998: Population genetic structure and diversity of chuckwalla lizards (*Sauromalus obesus*) in the Phoenix metropolitan area. B. K. Sullivan and E. W. A. Gergus, CoPIs. Arizona Game and Fish Department, \$14,677.

1994-1997: Urban amphibians: County flood control sites. B. K. Sullivan, PI. Arizona Game and Fish Department, \$30,949.

1992-1995: Distribution and status of three Sonoran Desert amphibians. B. K. Sullivan, PI. Arizona Game and Fish Department, \$20,509.

1991: Distribution and status of the Arizona toad. B. K. Sullivan, PI. Arizona Game and Fish Department, \$7,068.

PRESENTATIONSINVITED LECTURES AND SYMPOSIA

2012: Invited speaker, Sixth World Congress of Herpetology, Translocation Symposium, Vancouver, Canada;

2011: Invited speaker, Desert Tortoise Council, Translocation Symposium, Las Vegas, NV; Plenary Speaker, ANAS annual meetings, Glendale, AZ; Invited Speaker, Southwest Division of PARC, Tucson, AZ; Invited Speaker, Urban Impacts on the Sonoran Desert, Current Research on the Herpetofauna of the Sonoran Desert, V, Tucson, AZ;

2010: Applied Sciences Seminar Series, ASU East Campus, AZ; MSP, Science and Literacy Program, Natural History Seminar, ASU, Tempe, AZ; Tucson Herpetological Society, Tucson, AZ; MNS Seminar Series, ASU, Phoenix, AZ; University of California, Deep Canyon Seminar Series, Palm Springs, CA; **2008:** Current Research on the Herpetofauna of the Sonoran Desert, IV, Tucson, AZ; **2007:** Desert Tortoise Council, Gila Monster Biology Workshop, Las Vegas, NV; Partners in Amphibian and Reptile Conservation (PARC), Albuquerque, NV; **2005:** Current Research on the Herpetofauna of the Sonoran Desert, III, Tempe, AZ; **2004:** Tucson Herpetological Society and the Arizona Game and Fish Department, Translocation Workshop, Tucson, AZ; School of Renewable Natural Resources Seminar Series, Tucson, AZ; University of Arizona, Madrean Archipelago II Symposium, Tucson, AZ; **2003:** Mayo Clinic Seminar Program, Scottsdale, AZ; Department of Biology Seminar Series, Grand Canyon University, Phoenix, AZ; **2002:** Current Research on the Herpetofauna of the Sonoran Desert II, Tucson, AZ; **2001:** Tucson Herpetological Association, Tucson, AZ; **2000:** Animal Behavior Program, Division of Integrative Biology and Neurosciences, program director seminar, Washington DC; **1999:** Current Research on the Herpetofauna of the Sonoran Desert I, Phoenix, AZ; **1998:** Department of Biology Seminar Series, Grand Canyon University, Phoenix, AZ; Declining Amphibians in California II, San Diego Natural History Museum, CA; **1996:** Intraspecific Variation Symposium, annual meetings, ASIH; Department of Zoology, University of Western Australia; Department of Biology, University of California, Riverside; Graduate Program in Biology Seminar Series, University of California, Riverside; **1994:** Communication Symposium, Second World Congress of Herpetology, Adelaide, Australia; Mate Choice Symposium, Second World Congress of Herpetology, Adelaide, Australia; **1993:** Symposium, annual

meetings, ASIH/HL; Desert Biogeography Symposium, Second World Congress of Herpetology, Adelaide, Australia; **1992**: Department of Biology, California State University, San Diego; Department of Biology, New Mexico State University, Las Cruces; Department of Biology, Northern Arizona University, Flagstaff; **1990**: Department of Biological Sciences, University of California, Santa Barbara; **1989**: Hanson Ecology Seminar Series, Arizona State University; Wildlife Society Conclave, Wildlife Department, University of Maine; Arizona State University, West Campus Seminar Series; **1988**: Department of Sciences and Mathematics, University of Maine at Farmington; **1987**: Sede Boqer Workshop on Desert Ecology, Ben Gurion University, Israel; Department of Zoology, University of Maine; Savannah River Ecology Laboratory Seminar Program; Wildlife Department Seminar Series, University of Maine; **1986**: Ecology Seminar Series, University of Texas, Austin; **1985**: Zoology Department, University of Texas, Austin; Psychology Department, University of Texas, Austin; **1984**: Department of Biology, University of California, LA.

CONTRIBUTED PAPERS/ABSTRACTS

2012: Stability and exceptional longevity of Common Chuckwallas in Phoenix Mountain preserves, ANAS, Glendale, AZ; South Mountain herpetofauna: are all habitats adequately represented 50 yrs later, ANAS, Glendale, AZ; **2011**: Stability and exceptional longevity of Common Chuckwallas in Phoenix Mountain preserves, CRHSD V, Tucson, AZ; South Mountain herpetofauna: are all habitats adequately represented 50 yrs later, CRHSD V, Tucson, AZ; **2009**: Mitochondrial DNA in the tiger whiptail (*Aspidoscelis tigris*) exhibits significant population structure conflicting with past morphological based subspecific boundaries in Southwest Arizona, annual mtgs, ASIH/SSAR/HL; **2003**: Molecular biodiversity of helodermatidae (Reptilia, Squamata), annual mtgs, ASIH/SSAR/HL; **2002**: Effects of translocation on movement patterns in Gila monsters, and Phylogeography of barking frogs in Arizona, Texas, and New Mexico, Current Research on Herpetofauna of the Sonoran Desert Conference, Tucson, AZ; **2001**: Molecular Systematics, hybridization, and phylogeography of the *Bufo americanus* complex in eastern North America, annual mtgs, SSE; **2000**: Mating system structure and population density in a polygynous lizard, *Sauromalus ater*, annual mtgs, ASIH; Female preference asymmetry for male color among populations of an iguanid lizard, *Sauromalus obesus*, annual mtgs, SSE; **1999**: A behavioral mechanism of hybridization between *Bufo woodhousii* and *B. microscaphus* in central Arizona, and home range in chuckwallas (*Sauromalus obesus*) in the Phoenix region, Current Research on Herpetofauna of the Sonoran Desert Conference, Phoenix, AZ; **1998**: Urban lizards of Phoenix Mountain Preserves, annual mtgs, ANAS; **1997**: Variation in breeding activity and age-structure of a community of desert anurans, annual mtgs, ASIH/HL/SSAR; Variation in hybridization between two toads in Arizona, annual mtgs, SSE; **1996**: Advertisement call variation in the *Bufo microscaphus* complex of toads, Endless Forms: Species and Speciation Conference, Asilomar; Hybridization between *Bufo woodhousii* and *Bufo microscaphus* along the Agua Fria River in central Arizona, annual mtgs, ASIH; Variation in breeding activity and preliminary analysis of age-structure of a community of desert toads in central Maricopa County, Arizona, annual mtg, DAPTF Working Group; Variation in breeding activity and age-structure of desert anurans in Maricopa County, Arizona, annual mtgs, SWAB; **1995**: Current distributions of the Sonoran green toad and the Southwestern toad in Arizona, annual mtgs, DAPTF Working Group; Hybridization between *Bufo woodhousii* and *Bufo microscaphus* along the Agua Fria River, Arizona, International Herpetological Symposium; **1994**: Calling behavior in two anurans: phylogenetic and ecological factors, annual mtgs, ANAS; Hybridization between *Bufo microscaphus* and *B. woodhousii* along the Agua Fria River, annual mtgs, SWAB; Fifty years of hybridization between two toads along the Virgin River, annual mtgs, ASIH/HL; **1993**: Advertisement and release call variation in the Colorado River toad (*Bufo alvarius*), annual mtgs, ASIH/HL; **1992**: Selection on male calling behavior in the grey treefrog, annual mtgs, SSE/ASN; Call variation in *Bufo microscaphus*, annual mtgs, SSAR; **1991**: Distribution and status of *Bufo microscaphus* in Arizona, annual mtgs, SWAB; **1990**: Sexual selection in the Gulf Coast toad: female choice based on variable traits, International Congress of Systematics and Evolutionary Biology; Proximate components of mate choice by females in three bufonids, International Congress of Systematics and Evolutionary Biology; Female choice in the gray treefrog, annual mtgs, ASZ/ABS; **1989**: Call variation and sexual selection in the American toad (*Bufo americanus*), annual mtgs, ASIH; Selection on male size and calling behavior in the Gulf Coast toad, annual mtgs, ABS; **1988**: Mating system variation in Woodhouse's toad, annual mtgs, SSE; Call variation between subspecies of *Bufo woodhousii*, annual mtgs, SSAR/HL/ASIH; Sexual selection in the Gulf Coast toad, annual mtgs, SSAR/HL/ASIH; Mating system variation in Woodhouse's toad, annual mtgs, ASZ/ABS; **1986**: Seasonal variation in male mating success of Woodhouse's toad, annual mtgs, SSAR; **1985**: Intrapopulation variation in the intensity of sexual selection in an amphibian, annual mtgs, ANAS; **1984**: Male calling behavior in response to playback of conspecific advertisement calls in two bufonids of Arizona, annual mtgs,

ASIH; Advertisement call variation and observations on breeding behavior of five anurans (*Scaphiopus* and *Bufo*) in southern Arizona, annual mtgs, ASIH; Call rate and aerobic capacity in *Bufo woodhousei*, annual mtgs, ANAS; **1983**: Female choice in Woodhouse's toad (*Bufo woodhousei australis*), annual mtgs, SSAR; **1982**: Call variables and sexual selection in *Bufo woodhousei australis*, annual meetings, ANAS; Sexual selection in Woodhouse's toad, annual mtgs, ASIH; Sexual selection in the Great Plains toad (*Bufo cognatus*), annual mtgs, ASZ; **1981**: Breeding behavior in spadefoot toads, annual mtgs, ANAS.

PROFESSIONAL SERVICE ACTIVITIES

EDITORIAL OFFICES and COMMITTEES

2010-2012	-	Associate Editor, <i>Herpetological Conservation and Biology</i>
2008-2011	-	Editorial Board, <i>The Open Zoology Journal</i>
2006-2008	-	Editorial Board, <i>Copeia</i>
2000-2006	-	Editor, <i>Journal of Herpetology</i>
1997-2000	-	Member, ABS Developing Nations Research Grants Committee
1999-2001	-	Editorial Board, <i>Copeia</i>
1997-2000	-	Associate Editor, <i>Evolution</i>
1989-2000	-	Associate Editor, <i>Journal of Herpetology</i>
1991-1993	-	Chair, ASIH Gaige Award Committee
1988	-	Member, Best Student Paper Award, ABS

UNIVERSITY and COMMUNITY SERVICE ACTIVITIES

Community: 2011: US Forest Service, Prescott National Forest, riparian corridor disturbance mitigation consultant; Riverside County Solar Array, translocation feasibility advisor; **2010**: Pendergast School District: Natural History of the Sonoran Desert training exercise; Hidden Hills School: Sonoran Desert Biome Construction; **2009**: City of Carefree Advisory Panel, Urban Gila Monsters; **1995-2000**: SCENE speaker for K-12 (north Phoenix/west Valley area); **1999**: Co-organizer, Current Research on Herpetofauna of the Sonoran Desert; **2007** and **1996**: Consultant, Arizona Game and Fish Department, Ten-year Diversity Review; **1989-present**: K-12 speaker on Arizona wildlife, Paradise Valley School District; **1989-present**: Speaker's Bureau representative, ASUW, West Valley; **1997-2002**: Paradise Valley School District: "Biome Construction" consultant (development of Sonoran Desert habitats on school grounds for educational purposes); **1989-present**: Wildlife identification and removal, northern Phoenix metro area (coordinated and permitted through the Arizona Game and Fish Department.

University: 2010-2012: member, Faculty Coordination Committee for Biological and Life Sciences; **2008-2011**: Behavior and Environmental Sciences (separate) PhD degrees, program development, SOLS, ASU; **2005-2007**: Campus Promotion and Tenure Committee; **1996-present**: member, Biosafety Committee; **1989-present**: Master's/PhD Committee co-chair (5 PhD) or member (6 MS; 9 PhD); **1995-present**: outside reader, Honors College; **1999**: MCCC Articulation Task Force; **1989-1993**: Faculty Senate; **1989-1992**: member, Graduate Student Committee; **1990-1991**: member, Curriculum and Academic Programs Committee.

College: 2010: alternate member, Promotion and Tenure Committee; **2008**: alternate member, Promotion and Tenure Committee; **2008-2009**: member, ad hoc Bylaws Committee; **2001-2002**: member, Standards Committee; **1999-2004**: member, Review Committee; member, Post-tenure Review Committee; **1998-2000**: member, Promotion and Tenure Committee; **1996-1999**: chair, Peer Committee (Marga Vicedo); **1996-1998**: member, Personnel Committee; **1994-1995**: chair, Salary Equity Committee; **1993-1994**: member: Salary Equity, Peer Committees (Linda Stryker, Marga Vicedo); **1992-1993**: member, Long Range Planning Committee; **1991-1992**: member: Director of Arts and Sciences Search, Student Grievance Committee; **1990**: member, Director of Arts and Sciences Search; **1989-1990**: member: Promotion and Tenure Committee, General Studies Coordinator Search; **1988-1989**: chair, Freshmen Faculty Advising in Biology.

Department/Division: 2010: member, SRP scholarship Committee; **2006-2009**: chair, Personnel Committee; **2008**: member, Peer Committee (Thomas Cahill); chair, Peer Committee (Chad Johnson); chair, Peer Committee (Francisco Solis); member, Cell and Molecular Search; member, Associate Director Search; **2007**: member, Chair Search; **2003**: chair, Plant Physiologist Search, Peer Committee (David Gonzales); **2000**: member, Peer Committee (Gordon Schuett); **1999-2008**: chair, biosafety/waste removal; **1998**: member, Graduate Student Committee; **1997**: chair, Peer Committee (Matthew Grober); member, Peer Committee (Kim Hughes); Biosafety Liason; member,

Curriculum Committee; **1996**: chair, Peer Committee (Sam Scheiner); chair, Seminar Committee; member, Curriculum Committee; member, Search Committee; **1994-1995**: chair, Peer Committees (Tim Craig, David Duvall); chair, Curriculum Committee; member, Seminar Committee; member, Articulation Committee; **1994**: member, Ecosystem Ecologist/Geneticist Search committees; **1993-1994**: co-chair, Biometrist Search Committee; member, Ecologist Search Committee; chair, Peer Committee (Tim Craig); **1992-1993**: member, Life Sciences Coordinator Search Committee; **1991-1992**: member: Promotion and Tenure Committee, Life Sciences Task Force; **1990-1991**: member: Promotion and Tenure Committee; Physiologist/Geneticist Search committees, Curriculum Committee, Peer Committees (Tim Craig, José Náñez); **1989-1990**: chair, Ecology Search Committee; co-chair, Coordinator/Biologist Search committees.

TEACHING ACTIVITIES

UNDERGRADUATE AND GRADUATE STUDENTS ADVISED

Undergraduates: Scott Altendorf, Mayraish Amaro-Otero, Norah DeBellis, Michael Demlong, Stephanie Fletcher, Robyn Fritts, Diann Gaalema, Chris Gingold, Scott Hartman, Dee Hartung, Seth Heald, Steve Hinshaw, Erich Hoffeld, Shannon Hoss, Jamie Howard, Marion Keith, Katie Ketchum, Katie Kitchen, Shannon Laage, Christine Liwanpo, Travis Logan, Brandon Moore, Jack O'Leile, Christianne Oumette, Andrew Philbrick, Liz Ramirez, Ralph Sepulveda, Judi Siler, Jackie Smith, Tyler Stradleigh, Keith Sullivan, Toni Suminski, Victoria Sutton, Judy Tippet, Kevin Umbright, David Vardukyan, Maria Velez, Nick Waters, Amy Welton, Rachel Williams, Tiffany Woznicki. **Master's:** Leslie Anderson (primary advisor), Todd Boetcher (primary advisor), Michael Demlong, Michael Loeb, Reuben Marchosky, Danny Nielsen, Brian Richardson. **PhD:** Jeff Ackley (primary advisor), Melissa Amarello, Laura Becht, Sue Bertram, Jon Davis, Jennifer Drnevich, Matthew Flowers (primary advisor), Erik Gergus (primary advisor), Paul Hamilton (primary advisor), Andrew Holycross, Keith Malmos (primary advisor), Paul Moran, Greg Vigle, Sarah Woodley, Christian Wright.