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Education

B.S.	1970	Cornell University (Biological Sciences)
M.A.	1973	University of California, Berkeley (Zoology)
Ph.D.	1978	University of California, Berkeley (Zoology)

Employment

1966-69	Preparator, Fuertes Bird Collection, Cornell University
1967-70	Teaching Assistant, Section of Ecology and Systematics, Cornell University (comparative anatomy, ornithology, herpetology)
1970-77	Teaching Assistant, Department of Zoology, University of California, Berkeley (vertebrate embryology, general zoology, vertebrate natural history, herpetology)
1970-77	Curatorial Assistant/Associate, Herpetology, Museum of Vertebrate Zoology, University of California, Berkeley
1975	Acting Assistant Professor, Biological Sciences, Stanford University (vertebrate biology)
1977	Instructor, Zoology, University of California, Berkeley (vertebrate embryology)
1977-84	Assistant Professor, Biological Sciences, University of California, Santa Barbara (vertebrate morphology and systematics, biomechanics, evolution, herpetology)
1977-	Curator of Herpetology, University of California Santa Barbara Museum of Systematics and Ecology
1984-04	Associate Professor, Biological Sciences, University of California, Santa Barbara
2004-	Professor, Ecology, Evolution and Marine Biology, University of California, Santa Barbara
1982-	Affiliated Assistant, Associate Professor, Geological Sciences, University of California, Santa Barbara

Research interests

Distributional ecology and systematics of western North American and Australian amphibians and reptiles; ecology and systematics of monitor lizards; mechanics of intergrade zones and of speciation processes; crypsis; functional and evolutionary morphology; ethnozoology; conservation biology.

Professional positions

1977-	Curator of Herpetology, UCSB Museum of Systematics and Ecology
1980-84	Editorial Board, <u>Copeia</u>
1983-86	Board of Governors, American Society of Ichthyologists and Herpetologists
1985-89	Executive Council, Herpetologists' League
1984-89	Associate Editor, <u>Journal of Herpetology</u>
1989-93	Editor, <u>Journal of Herpetology</u>
1991-94	Board of Governors, American Society of Ichthyologists and Herpetologists
1993-94	Visiting Associate Professor, Natural Sciences, Northern Territory University, Darwin, Australia
1999-05	Chair, UC Santa Barbara Institutional Animal Care and Use Committee
2001-02	Visiting Scholar, Key Centre for Tropical Wildlife Management, Northern Territory University, Darwin, Australia
2001-05	California Tiger Salamander Recovery Team, U.S. Fish and Wildlife Service
2006 -	Steering Committee, Santa Barbara County Species Recovery Plan

Society memberships

American Society of Ichthyologists and Herpetologists, Herpetologists' League, International Palm Society, Paleobiology, Society for the Study of Amphibians and Reptiles

Professional consulting activities (1997-2007)

Academic/technical reviews: American Midland Naturalist, American Naturalist, Asiatic Herpetological Research, Australian Wildlife Ecology, Biological Conservation, Conservation Biology, California Academy of Sciences, Copeia, Journal of Herpetology, Journal of Wildlife Management, Herpetologica, Herpetological Review, National Geographic, Mertensiella, Salamandra, Benjamin Cummings, Blackwell Science, Houghton Mifflin, McGraw-Hill, Smithsonian Institution Press, University of California Press, California Fish and Game Commission, U.S. Fish and Wildlife Service.

Endangered species management: Environment Australia, Kakadu National Park, Key Centre for Tropical Wildlife Management (Northern Territory University), World Wildlife Fund Australia, Djaburlukgu and Gaudju Aboriginal Associations (Northern Territory), U.S. Air Force, U.S. Army Corps of Engineers, Bureau of Land Management, Bureau of Reclamation, U.S. Fish and Wildlife Service, U.S. Forest Service (Regional, Angeles, Cleveland, Los Padres, San Bernardino N.F.), U.S. Geological Survey (National Biological Service), U.S. Marine Corps, U.S. National Park Service, California Department of Fish and Game, California Department of Transportation, California Department of Water Resources, California Fish and Game Commission, New Mexico Game and Fish, Carrizo Plain Biosphere Reserve, Counties of Santa Barbara, San Diego, San Luis Obispo and Ventura (planning agencies), Rancho Mission Viejo Corp., The Irvine Company, United Water Conservation District, California Vintners Association, [Southwest] Center for Biological Diversity, Environmental Defense Center, Friends of the Santa Clara River, Keep Sespe Wild Committee, Land Trust for Santa Barbara County, National Audubon Society, National Wildlife Federation, The Nature Conservancy, Sierra Club, World Wildlife Fund USA.

Legal/law enforcement: U.S. Customs Service, U.S. Forest Service, U.S. Fish and Wildlife Service, California Department of Fish and Game, Santa Barbara County District Attorney, Santa Barbara County Grand Jury, Center for Biological Diversity, Environmental Defense Center, Sierra Club.

Publications

- 1960. An aggregation of hibernating amphibians. Bull. Phila. Herp. Soc. 8:11.
- 1972. Regional patterns of proportional variation in trunk vertebrae of Batrachoseps. (abstr.) Herp. Rev. 6: 201.
- 1973. Allometry, life history, and the evolution of the desmognathine salamanders. (abstr.) A.S.I.H., San Jose, Costa Rica.
- 1974. Evolutionary patterns in the Texas troglobitic Eurycea. (abstr.) A.S.I.H., Ottawa, Ontario.
- 1975. Differentiation and secondary contact in populations of Texas Eurycea. (abstr.) A.S.I.H., Williamsburg, Virginia.
- 1976a. Eurycea: spring and cave salamanders of the Edwards Plateau. Texas Caver, April, pp. 60-62.
- 1976b. Review of Russell, W.H. (1976) Distribution of troglobitic salamanders in the San Marcos region, Hays County, Texas. N. Amer. Biospeleol. Newsl. 10: 8-9.
- 1977a. Natural metamorphosis in Eurycea neotenes, and the generic allocation of the Texas Eurycea. Herpetologica 33: 364-375.
- 1977b. Eurycea tridentifera. Cat. Amer. Amphibians & Reptiles 199.1-199.2
- 1978a. On the status of Eurycea pterophila (Amphibia: Plethodontidae). Herpetologica 34:101-108.
- 1978b. The validity of the genus Typhlomolge: a test with a new species. (abstr.) A.S.I.H., H.L., S.S.A.R., Tempe, Az. (reprinted in N. Amer. Biospeleol. Newsl. 15: 17).

- 1978c. The development of diversity in Texas cave salamanders. (abstr.) Natl. Speleol. Soc., New Braunfels, Texas.
1979. Character concordance, grades and clades in the Texas Eurycea. (abstr.) A.S.I.H., Orono, Maine.
1980. Allometric inference in morphology. *Amer. Zool.* 20: 643-652.
1981. Potter, F.E., Jr., and S.S. Sweet. Generic boundaries in Texas cave salamanders and a redescription of Typhlomolge robusta. *Copeia* 1981: 64-75.
- 1982a. A distributional analysis of epigeal populations of Eurycea neotenes in central Texas, with comments on the origin of troglobitic populations. *Herpetologica* 38: 430-444.
- 1982b. Environmental correlates of intergradation among races of Pituophis melanoleucus in southwestern California. (abstr.) A.S.I.H., Corvallis, Oregon.
- 1982c. Herpetological fauna, pp. 149-187 in Ferren, W.R., Jr. (ed.), *A Biological Evaluation of More Mesa, Santa Barbara County, California*. Santa Barbara County Dept. Resource Mgmt., Santa Barbara, Calif.
- 1982d. Variation, selection, and crypsis in a snake intergrade zone. (abstr.) A.S.I.H., DeKalb, Illinois.
- 1982e. Crypsis and fitness in a snake intergrade complex (abstr.) S.S.A-R., Raleigh, N.C.
- 1982f. The adaptive radiations of the central Texas hemidactyliines. (abstr.) First Highlands Conf. Biol. Plethodontid Salamanders, Highlands, North Carolina.
- 1983a. Sweet, S.S., and A.E. Leviton. Geographic distribution, Rana aurora draytoni. *Herp. Rev.* 14: 27.
- 1983b. Mimicry and convergent crypsis in Pituophis melanoleucus and Crotalus viridis. (abstr.) A.S.I.H., Tallahassee, Florida.
- 1983c. Mechanics of a natural extinction event: Rana boylei in southern California. (abstr.) S.S.A.R./ H.L., Salt Lake City, Utah.
1984. Secondary contact and hybridization in the Texas cave salamanders Eurycea neotenes and E. tridentifera. *Copeia* 1984: 33-45.
1985. Geographic variation, convergent crypsis, and mimicry in gopher snakes (Pituophis melanoleucus) and western rattlesnakes (Crotalus viridis). *J. Herpetol.* 19: 55-67.
- 1986a. review of Stebbins, R.C. (1985) *A Field Guide to Western Reptiles and Amphibians*, 2nd. ed. *Copeia* 1986: 262-263.
- 1986b. Ecological significance of cephalic pit organs in colubrid snakes. (abstr.) A.S.I.H., Vancouver, B.C.
- 1986c. Phenology of snakes in southwestern California. (abstr.) S.S.A.R./H.L., Springfield, Missouri.
- 1986d. Caudata, pp. 734-740 in L. Botosaneanu (ed.), **Stygofauna Mundi**. E.J. Brill, Leiden.
- 1987a. Population Genetics, Natural Selection and Speciation. Chapter 36 in Starr, C., and R. Taggart, **Biology: The Unity and Diversity of Life**. Wadsworth Publ. Co, Menlo Park, Calif.
- 1987b. Phylogeny and Macroevolution. Chapter 37 in Starr and Taggart, op. cit.
- 1987c. Origin and Evolution of Life. Chapter 38 in Starr and Taggart, op. cit.

- 1987d. Scale organs and the phylogeny of caenophidian snakes. (abstr.) S.S.A.R./H.L./C.H.N., Veracruz, Mexico.
- 1987e. The poverty of the California herpetofauna. (abstr.) Keynote address, California Herpetological Congress, Los Angeles, Calif.
1988. Parapatry and hybridization in western *Pituophis*. (abstr.) A.S.I.H., Ann Arbor, Michigan.
1989. Foraging behavior in the primitive sea snake *Hydrelaps darwiniensis*. (abstr.) A.S.I.H., San Francisco, Calif.
- 1990a. Sweet, S.S., and W.S. Parker. *Pituophis melanoleucus*. Cat. Amer. Amphibians and Reptiles. 474.1-474.8.
- 1990b. Ecology of *Bufo microscaphus*, an extreme habitat specialist. (abstr.) S.S.A.R./H.L., New Orleans, Louisiana.
1991. Comparative larval ecology of *Bufo microscaphus* and *Bufo boreas*. (abstr.) S.S.A.R./H.L., University Park, Pennsylvania.
- 1992a. Initial Report on the Ecology and Status of the Arroyo Toad (*Bufo microscaphus californicus*) on the Los Padres National Forest of Southern California, with Management Recommendations. USDA Forest Service, Goleta, Calif. 198 pp.
- 1992b. Technical Appendix to Initial Report on the Ecology and Status... USDA Forest Service, Goleta, Calif. 37 pp.
- 1992c. Calling site fidelity in a stream-breeding toad. (abstr.) S.S.A.R., El Paso, Tx.
- 1993a. Second Report on the Biology and Status of the Arroyo Toad (*Bufo microscaphus californicus*) on the Los Padres National Forest of Southern California. USDA Forest Service, Goleta, Calif. 73 pp.
- 1993b. Reviews of M.J. Tyler (1992) Encyclopedia of Australian Animals: Frogs. Angus & Robertson, Pymble, N.S.W., and H.E. Ehmann (1992) Encyclopedia of Australian Animals: Reptiles. Angus & Robertson, Pymble, N.S.W. Herp. Rev. 24: 73-74.
- 1993c. Regional Patterns of Amphibian Distribution: North America (abstr.) 2nd World Congress of Herpetology, Adelaide, S.A., p. 125.
1994. Manual GIS Application for Habitat Specialists (J.E. Juterbock, S.S. Sweet & R.W. McDiarmid), pp. 171-175 in W.R. Heyer, et al. (eds.), **Measuring and Monitoring Biological Diversity: Standard Methods for Amphibians**. Smithsonian Inst. Press, Washington, D.C.
1997. Spatial ecology of *Varanus glauerti* and *V. glebopalma* in northern Australia. (abstr.) Second Int'l Symposium on Varanid Lizards, Bonn. Pp. 14-15.
- 1999a. Male territoriality in the Australian monitor lizard *Varanus glebopalma*. (abstr.) A.S.I.H., H.L., S.S.A.R., University Park, Pennsylvania. Pp. 215-216.
- 1999b. Distribution Patterns of Amphibians in the Nearctic Region of North America (W.E. Duellman and S.S. Sweet), pp. 31-109 in W.E. Duellman (ed.), **Patterns of Distribution of Amphibians: A Global Perspective**. Johns Hopkins Univ. Press, Baltimore.
- 1999c. Spatial ecology of *Varanus glauerti* and *V. glebopalma* in northern Australia, pp. 317-366 in H.-G. Horn and W. Bohme (eds.), *Advances in Monitor Research II*. Mertensiella 11.
2000. Review of D. King and B. Green, 1999. Monitors, the Biology of Varanid Lizards. Univ. New South Wales Press. Herpetological Review 31(2): 121-122.

2001. {Manual GIS application for habitat specialists [J.E. Juterbock, S.S. Sweet and R.W. McDiarmid]}. In W.R. Heyer, et al. (eds.), **Medicion y Moniterio de la Diversidad Biologica. Metodos estandarizados para Anfibios**. Editorial Univ. de Patagonia. {Spanish translation of volume}
2002. Palms in the Northern Territory. *Wodyetia* 7(1): 3-6. (nontechnical article)
2003. {Manual GIS application for habitat specialists [J.E. Juterbock, S.S. Sweet and R.W. McDiarmid, in W.R. Heyer et al. (eds.), **Izimerenie i Monitoring Biologicheskgo Raznoobraziya: Standartnye Metody dlya Zemnovodnykh [Russian translation of Measuring and Monitoring Biological Diversity. Standard Methods for Amphibians]**]. KMK Scientific Press, Moscow.
- 2003b. The Lizard Kings (S.S. Sweet and E.R. Pianka) *Natural History* (New York), November 2003: 40-45.
- 2004a. Recent records of the rare *Psammodromus microdactylus* (Boettger, 1881) in Morocco (P.-A. Crochet, S. S. Sweet and J. A. Mateo). *Herpetozoa* **17**: 184-186.
- 2004b. *Varanus glauerti*. Pp. 366-372 in E.R. Pianka and D.R. King (eds.), **Varanoid Lizards of the World**. Indiana Univ. Press.
- 2004c. *Varanus glebopalma*. Pp.373-379 in E.R. Pianka and D.R. King.(eds.), **Varanoid Lizards of the World**. Indiana Univ. Press.
- 2004d. *Varanus scalaris* (L.A. Smith, S.S. Sweet and D.R. King). Pp. 451-461 in E.R. Pianka and D.R. King (eds.), **Varanoid Lizards of the World**. Indiana Univ. Press.
- 2004e. (distribution map, *Varanus salvadorii*) p. 235 in E.R. Pianka and D.R. King (eds.), **Varanoid Lizards of the World**. Indiana Univ. Press.
- 2005a. _____ *Bufo californicus*. (S.S. Sweet and B.K. Sullivan). Pp. 396-400 in M. Lanoo (ed.) **Declining Amphibian Task Force Handbook**. Univ. California Press, Berkeley.
- 2005b. Integrative biology of sticky feet in geckos. (E.R. Pianka and S. S. Sweet). *BioEssays* **27**: 647-652.

In press

- 2006a. Comparative spatial ecology of two small arboreal monitors in northern Australia. Pp.00 in Boehme, W. and H.-G. Horn (eds.), *Advances in Monitor Research III*. [plenary address, 3rd Intl. Conf. Biol. Varanid Lizards, Bonn]. *Mertensiella* vol. 00.
- 2006b. Monitors, mammals, and Wallace's Line (S.S. Sweet and E.R. Pianka). Pp.00 in Boehme, W. and H.-G. Horn (eds.), *Advances in Monitor Research III*. [3rd Intl. Conf. Biol. Varanid Lizards, Bonn]. *Mertensiella* vol. 00.
- 2006c. On the distribution of the Papuan monitor (*Varanus salvadorii* Peters & Doria 1878) in New Guinea (H.-G. Horn, S.S. Sweet and K.M. Philipp). Pp.00 in Boehme, W. and H.-G. Horn (eds.), *Advances in Monitor Research III*. [3rd Intl. Conf. Biol. Varanid Lizards, Bonn]. *Mertensiella* vol. 00.