

Raymond B. Huey

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EDUCATION:

1961-64 Deep Springs College
1964-66 University of California, Berkeley A.B. Honors in Zoology (Jan.1966)
1967-69 University of Texas, Austin M.A. (June 1969)
1971-75 Harvard University Ph.D. (June 1975)

PRIMARY PROFESSIONAL EXPERIENCE:

1975-77 Miller Research Fellow, University of California, Berkeley
1977-80 Assistant Professor, Department of Zoology, University of Washington
1980-84 Associate Professor, Department of Zoology, University of Washington
1984- Professor, Department of Zoology, University of Washington
1987 (spring) Distinguished Visiting Professor, University of Michigan, Ann Arbor
1989-98 Associate Chair, University of Washington (alternate years, except 1991- 93)
1991-92 Acting Chair, University of Washington
2008-11 Chair, University of Washington

AWARDS , FELLOWSHIPS, HONORS:

1961-64 Full Scholarship, Deep Springs College
1968-69 NSF Research Traineeship, University of Texas
1972-75 Richmond Fellow, Harvard University
1975-77 Miller Research Fellowship, University of California, Berkeley
1991 Distinguished Herpetologist, Herpetologists' League
1993 President, American Society of Naturalists
1994 Plenary Lecturer, 2nd World Congress of Herpetology
1994 Hathaway Lecture, Tulane University
1995 Diebold Symposium Lecturer, Kalamazoo College
1998. Hansen Lecturer, University of California Berkeley
1998-99 Guggenheim Fellow
2000 Saul Lecturer, Middlebury College
2001 Eminent Biologist Lecture (Pittsburgh Ecoforum)
2002 Eminent Ecologist (Kellogg Biological Station)
2002 Plenary Lecture, American Physiological Society, San Diego
2002 Plenary Lecture, Biological Society of Chile, Pucón, Chile
2003 Darwin Lecture, University of Calgary
2004 O'Leary Distinguished Scientist, Gonzaga University

- 2004 Eminent Evolutionary Biologist, Georgia Southern University
- 2004 Roger Carpenter Lecture in Comparative Biology, San Diego State University
- 2004 President's Award (best paper in *The American Naturalist*, 2003), American Society of Naturalists
- 2006 Distinguished Lecture in Evolution, Ecology, & Organismal Biology, University of North Carolina; Plenary Lecture, Evo-WIBO; Athenaeum Lecture, Claremont Colleges
- 2007 American Academy of Arts and Sciences (elected)
- 2008 Centennial Seminar Series, Museum of Vertebrate Zoology (University of California, Berkeley); Keynote Lecture, Phi Sigma Biological Honors Society, University of Puget Sound.
- 2010 Inaugural Lecture, The International Max Planck Research School (IMPRS) for Organismal Biology, "Great Challenges in Ecology and Evolution," University of Konstanz; Plenary Lecturer, Spain-Portugal Congress of Herpetology
- 2012 Sutton Lecturer, University of Oklahoma

SAMPLE RECENT SERVICE:

- 1986-98 Evolutionary Ecology, Editorial Board
- 1988-90 Evolution, Editorial Board
- 1989-96, 02-05 Physiological Zoology, Editorial Board
- 1992-96 George Bartholomew Award Committee, SICB
- 1993 President, American Society of Naturalists
- 1993, 97 Panel, Population Biology, National Science Foundation
- 1995-98 Comparative Biochemistry and Physiology, Editorial Board
- 1995-98 *American Naturalist*, Editorial Board
- 1998, 2003 Panel, Dissertation Improvement Grants, National Science Foundation
- 1998- Evolutionary Ecology Research, Editorial Board
- 1999- Functional Ecology, Editorial Board
- 1999 Nominations Committee Chair, Society for Integrative and Comparative Biology
- 1999-05 Integrative and Comparative Biology, Editorial Board
- 2000 Panel, Ecological & Evolutionary Physiology, National Science Foundation
- 2002-09 Physiological and Biochemical Zoology, Editorial Board
- 2002-2009 *Journal of Thermal Biology*, Editorial Board
- 2003-08 *American Naturalist*, Editorial Board
- 2004-6 Panel, Undergraduates in Biological & Mathematical Science, NSF
- 2004- Section Head, Physiological Ecology, Faculty of 1000
- 2007 Virtual Panel, DOE Program for Ecosystem Research;
- 2007- Research Grants Panel, American Alpine Club;
- 2007-09 NESCent Senior Advisory Board
- 2008 VAL Advisory Panel
- 2009 Nominations Committee for Associate Director of Biological Sciences, NSF; Nominations Committee (ecology & evolution) for American Academy of Arts & Sciences
- 2009- Domain (*Guánica*) Science & Education Coordination Committee, NEON

INVITED SEMINARS AND LECTURES (since 1990):

- 1990-91 Cold Spring Harbor Centenary Symposium (Evolution: From Molecules to Culture); Cornell University; University of Rochester; Indiana State University; University of Nebraska; Oregon State University (Graduate Student Invitee); University of Vermont (Graduate Student Invitee, Paul A. Moody Lecturer).
- 1991-92 Distinguished Herpetologist Lecture, Society for the Study of Amphibians and Reptiles; Ecole Normale Superieure (Paris); Special Lecture Series, Museo Nacional de Ciencias Naturales (Madrid); Gerontological Society of America (Symposium on Genetic Plasticity of Aging); University of Utah (Graduate Student Invitee); Florida State University (Graduate Student Invitee); AAAS Symposium (Evolution of Thermal Sensitivity); American Society of Naturalists (Vice-Presidential Symposium on "Evolution in Stressful Environments")
- 1992-93 Ecole Normale Superieure (Paris); Universidad de Barcelona; University of Oregon; University of Michigan (Graduate Student Invitee); Presidential Address, American Society of Naturalists
- 1993-94 Plenary Lecture, Second World Congress of Herpetology; Hathaway Lecture, Tulane University; Washington University St. Louis (Graduate Student Invitee)
- 1994-95 University of California, Irvine (Graduate Student Invitee, and Keynote Speaker, student-faculty retreat); University of Texas, Arlington (Graduate Student Invitee); Symposium on "Phylogenies and Comparative Physiology," American Physiological Society; Simon Fraser University (Graduate Student Invitee); Diebold Symposium Keynote Address, Kalamazoo College; International Congress of Physiology, Scotland (Symposium on Phenotypic and Evolutionary Adaptation to Temperature)
- 1995-96 University of Puget Sound; no other invitations accepted because of family illness
- 1996-97 Miami University Ohio (Graduate Student Invitee); no other invitations accepted because of family illness
- 1997-98 Hopkins Marine Station; Society for Integrative and Comparative Biology (Symposium on Evolutionary Physiology); Oregon State University (Graduate Student Invitee); University of British Columbia; University of California (Hansen Lecturer, Graduate Student Invitee).
- 1998-99 University of Colorado, Boulder (Graduate Student Invitee); University of California, Santa Cruz; University of California, Berkeley (Museum of Vertebrate Zoology); Physiology Ecology Meeting (Bishop, Featured Speaker); European Congress of Evolutionary Biology (invited speaker)
- 1999-00 Universidad Catolica (Santiago, Chile); Climb '99 (Birmingham, UK; World Climbing Championship), Middlebury College (Saul Lecturer), University of Vermont
- 2000-01 Society of Experimental Biology Symposium (Flagstaff, invited speaker); SICB Symposium on Plant/Animal Biology (Chicago, invited speaker); International Hypoxia Congress (Jasper, invited speaker); Eminent Biologist Lecture (Pittsburgh Ecoforum); University of Oregon; University of South Carolina (Graduate Student Invitee); Mountain Rescue Association (Snoqualmie Pass, WA, invited speaker)
- 2001-02 University of Washington (Department of Botany); Kellogg Biological Station (Distinguished Ecology Series); University of Washington (Science Forum); American Physiological Society (Plenary Lecturer); no other invitations accepted

- because of family illnesses
- 2002-03 Plenary Lecture, Biological Society of Chile, Pucón, Chile; Darwin Lecture, University of Calgary; SICB Symposium on Selection in Nature (Toronto, invited speaker); University of Texas, Austin
- 2003-04 Eminent Evolutionary Biologist, Georgia Southern University; O’Leary Distinguished Scientist, Gonzaga University; Roger Carpenter Lecture in Comparative Biology, San Diego State University; Gordon Conference (The Metabolic Basis of Ecology); Ecological Society of American Symposium (Invasive species); Symposium honoring Eric Pianka (Herpetologists League)
- 2004-05 University of Arizona (Graduate Student Invitee); University of Iowa; University of California, Riverside
- 2005-06 University of Colorado; Colorado State University; University of Michigan; University of North Carolina (Distinguished Lecture in Evolution, Ecology, & Organismal Biology); College of William & Mary; Plenary Lecture, EVOWIBO
- 2006-07 Athenaeum Lecture, Claremont College; American Physiological Society Symposium on Complexity in Physiological Systems; Panel on Future of Himalayan Mountaineering (Seattle Mountaineers), European Science Foundation Symposium on Thermal Adaptation in Ectotherms (Barcelona); University of Nevada, Las Vegas; University of British Columbia.
- 2007-08 Princeton University; Hopkins Marine Station (Stanford University); Centennial Seminar Series, Museum of Vertebrate Zoology (University of California, Berkeley); Keynote Lecture, Phi Sigma Biological Honors Society, University of Puget Sound; European PhD Course on Responses to Climate Warning, Université de Rennes, France; Balzan Conference, Princeton University; Gordon Conference (Metabolic Theory of Ecology)
- 2008-9 Workshop (Predicting Climate Change Impacts on Biodiversity), Daintree, Australia; Discovery Series Lecture, Technological Alliance, Seattle; Duke University; Symposium Honoring Richard Thomas, University of Puerto Rico
- 2009-10 Texas A&M University; University of Puerto Rico; NASA Workshop on Ocean De-oxygenation; NSF Workshop on Evolution and Oceans (Catalina Island); APS Symposium on Climate Change
- 2010-11 Inaugural Symposium, University of Konstanz; International Spain-Portugal Congress of Herpetology; University of Nebraska; University of Kansas; Western Washington University; Simon Fraser University: Institute for Dryland Environmental Research Ecology, Ben Gurion University (Graduate Student Invitee)
- 2012 Sutton Lecture, University of Oklahoma; European Science Foundation ThermalAdapt Workshop (Barcelona) Symposium on "Rethinking Normal: Moving from Theory to Action in the Face of Invasive Species and Global Change" World Congress of Herpetology (Vancouver)

GRANTS:

- 1975-77 Miller Research Fellowship, University of California, Berkeley \$36,100
- 1975-76 Ecology of Kalahari Lizards, National Geographic Society, Principal Investigator (with E.R. Pianka and C.M. Cavalier) \$12,318

- 1978-81 Physiological Ecology of Locomotion in Terrestrial Vertebrate Ectotherms, National Science Foundation \$50,025
- 1980 Supplement to Physiological Ecology of Locomotion in Terrestrial Vertebrate Ectotherms, National Science Foundation \$8,873
- 1980-81 Support for A.S.Z. Symposium, "Lizard Ecology--Studies on a Model Organism," National Science Foundation (co-P.I. with E.R. Pianka and T.W. Schoener) \$10,498
- 1981-84 Physiological Ecology of Locomotion in Ectotherms, National Science Foundation \$70,025
- 1985-88 Physiological Ecology of Locomotion in Ectotherms, National Science Foundation \$170,000
- 1987 R.E.U. Supplement to Physiological Ecology of Locomotion in Ectotherms, National Science Foundation, \$7,830
- 1988-1990 Senescence in Natural Populations, National Science Foundation (collaborative grant with A.E. Dunham, independent funding) \$134,557
- 1988 R.E.U. Supplement to Senescence in Natural Populations, \$4000.
- 1989 Artificial Selection on Thermal Sensitivity of Physiology in *Drosophila melanogaster*, Wellcome Research Travel Grants (Burroughs Wellcome Fund), \$1,975.
- 1990-93 Lack's Hypothesis: An Experimental Test in Lizards, National Science Foundation (collaborative grant with B. Sinervo) \$225,000
- 1991-92 Workshop: The role of evolution, population and community responses in analyses of global environmental change. National Science Foundation, Ecology (P. Kareiva, J. Kingsolver, R. Huey, co-PI), \$63,225
- 1991 R.E.U. Supplement to Lack's Hypothesis, National Science Foundation, \$8,600
- 1992 R.E.U. Supplement to Lack's Hypothesis, National Science Foundation, \$5,000
- 1993-96 Experimental Evolution of Ectotherm Thermal Sensitivity (National Science Foundation), \$320,000
- 1993 Physiological Consequences of Mutation, National Science Foundation \$21,000
- 1993 A Metabolism System for Teaching Physiology, National Science Foundation and University of Washington
- 1993 An Experiment in Nature: *Drosophila subobscura* in the New World. University of Washington (Royalty Research Fund), \$26,000.
- 1996-00 Experimental Tests of Developmental and Cross-Generational Effects of Temperature. National Science Foundation, \$220,000
- 1996-00 An Experiment in Evolution: Rapid Life History Evolution in *Drosophila subobscura*. National Science Foundation, \$185,539 (collaborative grant with G. Gilchrist).
- 1999-00 An Experiment in Evolution: *Drosophila subobscura* in the New World. US-Spain Cooperative Grant, c. \$22,000 (collaborative grant with L. Serra).
- 2000-04 Collaborative Research: An Experiment in Evolution: Rapid Evolution in *Drosophila subobscura*. National Science Foundation \$260,000 (collaborative grant with G. Gilchrist).
- 2000-04 International Collaborative Research. National Science Foundation \$21,560 (collaborative grant with B. Moreteau, J. David, and P. Gibert).
- 2002-04 Into thin air: the paradox of flying insects at altitude. Royalty Research Fund, University of Washington. \$33,408.

- 2003 Frontiers of Integrative Biology: A Symposium Honoring George A. Bartholomew. National Science Foundation \$11,408.
- 2004-06 Doctoral Dissertation Improvement Grant: The Paradox of Flying Insects at High Altitude. National Science Foundation. \$11,982 (M. Frazier)
- 2004 Partners in Science Program, M. J. Murdock Charitable Trust, \$7,000.
- 2004-10 Collaborative Research: Experimental Tests of the Adaptive Significance of Ectotherm Thermoregulation. National Science Foundation, \$349,984 (collaborative grant with P. Phillips)
- 2010- 14 Collaborative Research: LiT: Vulnerability of Tropical Ectotherms to Climate Warming (lead PI, collaborative grant with H. Álvarez, P.E. Hertz, B. Lister), National Science Foundation

PUBLICATIONS:

- 1) 1969. Cytotaxonomic studies on some unusual iguanid lizards assigned to the genera *Chamaeleolis*, *Polychrus*, *Polychroides*, and *Phenacosaurus* with behavioral notes. *Breviora*, Museum of Comparative Zoology 316:1-17 (second author, with G. C. Gorman and E. E. Williams).
- 2) 1969. Winter diet of the Peruvian desert fox. *Ecology* 50:1089-1091.
- 3) 1970. A new *Pseudogonatodes* from Peru with remarks on other species of the genus. *Copeia* 1970:538-542 (first author, with J.R. Dixon).
- 4) 1970. Systematics of the lizards of the gekkonid genus *Phyllodactylus* on mainland South America. *Los Angeles City Museum Contributions in Science* 192:1-78 (second author, with J.R. Dixon).
- 5) 1971. The function of the epiglottis in sound production (hissing) of *Pituophis melanoleucus*. *Copeia* 1971:752-754 (second author, with Wm. F. Martin).
- 6) 1971. Bird species density in the Kalahari and the Australian deserts. *Koedoe* 14:123-129 (second author, with E. R. Pianka).
- 7) 1974. Winter thermal ecology of the iguanid lizard *Tropidurus peruvianus*. *Copeia* 1974:149-155.
- 8) 1974. Ecological shifts in sympatry: Kalahari fossorial lizards (*Typhlosaurus*). *Ecology* 55:304-316 (first author, with E.R. Pianka, M.E. Egan, and L.W. Coons).
- 9) 1974. Behavioral thermoregulation in lizards: importance of associated costs. *Science* (Wash., D.C.) 184:1001-1003.
- 10) 1974. Ecological character displacement in a lizard. *American Zoologist* 14:1127-1136 (first author, with E.R. Pianka).
- 11) 1975. A new gecko from Malpelo Island (Sauria: Gekkonidae: *Phyllodactylus*). *Smithsonian Contributions in Zoology* 176:44-46.
- 12) 1975. Thermal biology of a solitary lizard: *Anolis marmoratus* of Guadeloupe, Lesser Antilles. *Ecology* 56:445-452 (first author, with T.P. Webster).
- 13) 1976. Costs and benefits of lizard thermoregulation. *Quarterly Review of Biology* 51:363-384 (first author, with M. Slatkin).
- 14) 1976. Thermal biology of *Anolis* lizards in a complex fauna: the cristatellus group on

- Puerto Rico. *Ecology* 57:985-994 (first author, with T.P. Webster).
- 15) 1977. Natural selection for juvenile lizards mimicking noxious beetles. *Science* (Wash., D.C.) 195:201-203 (first author, with E.R. Pianka).
 - 16) 1977. Egg retention in some high-altitude *Anolis* lizards. *Copeia* 1977:373-375.
 - 17) 1977. Patterns of niche overlap among broadly sympatric versus narrowly sympatric Kalahari lizards (Scincidae: Mabuya). *Ecology* 58:119-128 (first author, with E.R. Pianka).
 - 18) 1977. Seasonal patterns of thermoregulatory behavior and body temperature of diurnal Kalahari lizards. *Ecology* 58:1066-1075 (first author, with E.R. Pianka and with appendix by J.A. Hoffman).
 - 19) 1978. Latitudinal pattern of between-altitude faunal similarity: Mountains might be "higher" in the tropics. *American Naturalist* 112:225-229.
 - 20) 1978. Comparative ecology, resource utilization, and niche segregation among gekkonid lizards in the southern Kalahari. *Copeia* 1978:691-701 (second author, with E.R. Pianka).
 - 21) 1978. Genetic variation and differentiation in two species of the fossorial African skink, *Typhlosaurus* (Sauria: Scincidae). *Herpetologica* 34:192-194 (third author, with Y.J. Kim and G.C. Gorman).
 - 22) 1979. A biogeographic extension of the compression hypothesis: species in narrow sympatry. *American Naturalist* 113:295-298 (second author, with T.W. Schoener and E.R. Pianka).
 - 23) 1979. Parapatry and niche complementarity of Peruvian desert geckos (*Phyllodactylus*): the ambiguous role of competition. *Oecologia* (Berl.) 38:249-259.
 - 24) 1979. Niche segregation in desert lizards. pp. 67-115, In *Analysis of Ecological Systems*, D.J. Horn, R. Mitchell, and G.R. Stairs, Eds. (Ohio State Univ. Press, Columbus). (second author, with E.R. Pianka and L.R. Lawlor).
 - 25) 1979. Integrating thermal physiology and ecology of ectotherms: a discussion of approaches. *American Zoologist* 19:357-366. (first author, with R.D. Stevenson).
 - 26) 1979. Book review: *Biology of the Reptilia*, Vol. 7. *Ecology and Behaviour A*. (C. Gans and D.W. Tinkle, eds.). *Quarterly Review of Biology* 54:105-106.
 - 27) 1979. The complete dictionary of zoology: I. Vernacular words in herpetology. *Quarterly Review of Biology* 54:301-307.
 - 28) 1980. Sprint velocity of tadpoles (*Bufo boreas*) through metamorphosis. *Copeia* 1980:537-540.
 - 29) 1981. Compensation for altitudinal changes in the thermal environment by some *Anolis* lizards on Hispaniola. *Ecology* 62:515-521. (second author, with P.E. Hertz).
 - 30) 1981. Ecological consequences of foraging mode. *Ecology* 62:991-999 (first author, with E.R. Pianka).
 - 31) 1981. A field-portable racetrack for measuring acceleration and velocity of small cursorial animals. *Experientia* 37:1356-1357 (first author, with W. Schneider, G. L. Erie, and R. D. Stevenson).
 - 32) 1982. Effects of body size and slope on sprint speed of a lizard (*Stellio (Agama) stellio*). *Journal of Experimental Biology* 97:401-409 (first author, with P. E. Hertz).

- 33) 1982. Fight versus flight: thermal dependence of defensive behaviour in a lizard. *Animal Behaviour* 30:676-679 (second author, with P. E. Hertz and E. Nevo).
- 34) 1983. Natural variation in body temperature and physiological performance in a lizard (*Anolis cristatellus*), pp. 484-490. In: A. G. J. Rhodin and K. Miyata, eds., *Advances in Herpetology and Evolutionary Biology: Essays in Honor of Ernest E. Williams*. Museum of Comparative Zoology, Cambridge, Mass.
- 35) 1982. Temperature, physiology, and the ecology of reptiles. pp. 25-91, In: C. Gans and F. H. Pough, eds., *Biology of the Reptilia Vol. 12, Physiology (C)*. Academic Press, London.
- 36) 1982. Phylogenetic and ontogenetic determinants of sprint performance in some diurnal Kalahari lizards. *Koedoe* 25:43-48.
- 37) 1983. Homage to Santa Anita: thermal sensitivity of sprint speed in agamid lizards. *Evolution* 37:1075-1084 (second author, with P. E. Hertz and E. Nevo).
- 38) 1983. Temporal separation of activity and dietary overlap. (first author, with E. R. Pianka). pp. 281-290. In: R. B. Huey, E. R. Pianka, and T. W. Schoener, eds., *Lizard Ecology: Studies of a Model Organism*, Harvard University Press, Cambridge.
- 39) 1983. *Lizard Ecology: Studies of a Model Organism*. R. B. Huey, E. R. Pianka, and T. W. Schoener, eds. Harvard University Press, Cambridge.
- 40) 1984. Ecology of lizards in the Kalahari Desert, Africa. *National Geographic Society* pp. 365-370. In: *Research Reports*. (first author, with E.R. Pianka and C.M. Cavalier).
- 41) 1984. Locomotor capacity and foraging behaviour of Kalahari lacertid lizards. *Animal Behaviour* 32:41-50 (first author, with A. Bennett, H. John-Alder, and K. A. Nagy).
- 42) 1984. The parasol tail and thermoregulatory behavior of the Cape Ground Squirrel (*Xerus inauris*). *Physiological Zoology* 57:57-62 (second author, with A. F. Bennett, H. B. John-Alder, and K. A. Nagy).
- 43) 1984. Errors resulting from linearizations in energy balance equations. *Journal of Thermal Biology*, 9:2661-264. (sixth author, with C.R. Tracy, F.H. van Berkum, J.S. Tsuji, R. D. Stevenson, and J. A. Nelson).
- 44) 1984. Field energetics and foraging mode of Kalahari lacertid lizards. *Ecology* 65:588-596, (second author, with K. A. Nagy and A. F. Bennett).
- 45) 1984. Is a jack-of-all-temperatures a master of none? *Evolution* 38:41-50, (first author, with P. E. Hertz).
- 46) 1984. Physiological correlates of natural activity and locomotor capacity in two species of lacertid lizards. *J. Comp. Physiol.* 154:113-118, (second author, with A. F. Bennett, H. John-Alder).
- 47) 1984. Effects of body size and slope on acceleration of a lizard (*Stellio (Agama) stellio*). *J. Exp. Biol.* 110: 113-123 (first author, with P. E. Hertz).
- 48) 1986. A comparative approach to field and laboratory studies in evolutionary ecology, pp. 82-98. In M.E. Feder and G. Lauder, eds., *Predator-Prey Relationships in Lower Vertebrates*. University of Chicago Press. (First author, with A. F. Bennett).
- 49) 1986. A biophysical analysis of possible thermoregulatory adaptation in sailed pelycosaurs, pp. 195-206. In: N. Hotton, III, P. D. MacLean, J. J. Roth, and E. C. Roth, eds., *Ecology and Biology of Mammal-like Reptiles*. Smithsonian Institution Press, Washington, D.C. (third author,

with C. R. Tracy and J. S. Turner).

- 50) 1986. Thermoregulation in reptiles, pp. 70-71. In T.R. Halliday and K. Adler, eds., *Encyclopedia of Amphibians and Reptiles*, Equinox (Oxford) Ltd., Oxford.
- 51) 1986. Physiological consequences of thermoregulation in a tropical lizard (*Ameiva festiva*). *Physiological Zoology* 59:464-472. (second author, with F. H. van Berkum and B. Adams).
- 52) 1987. Testing symmorphosis: does structure match functional requirements? *Evolution* 41:1404-1409 (second author, with T. Garland, Jr.).
- 53) 1987. The repeatability of locomotor performance in natural populations of the lizard *Sceloporus merriami*. *Evolution* 41:1116-1120. (first author, with A. E. Dunham).
- 54) 1987. Phylogeny, history, and the comparative method, pp.76-98. In M. E. Feder, A. F. Bennett, W. W. Burggren, and R. B. Huey, eds., *New Directions in Ecological Physiology*, Cambridge University Press.
- 55) 1987. Phylogenetic studies of coadaptation: preferred temperatures versus optimal performance temperatures of lizards. *Evolution*, 41:1098-1115. (first author with A. F. Bennett).
- 56) 1987. *New Directions in Ecological Physiology*. M. E. Feder, A. F. Bennett, W. W. Burggren, and R. B. Huey, eds. Cambridge University Press.
- 57) 1988. *Biology of the Reptilia*, Vol. 16. (Ecology B: Defense and Life History). C. Gans and R. B. Huey, eds. A. R. Liss.
- 58) 1988. Time budgets, thermoregulation, and maximal locomotor performance: are reptiles Olympians or Boy Scouts? *American Zoologist*, 28:927-938 (Second author, with P.E. Hertz and T. Garland, Jr.).
- 59) 1989. Thermal biology of nocturnal gekkos: Is sprint performance maximal at low body temperatures? *Physiological Zoology* 62:488-504. (First author, with P. H. Niewiarowski, J. Kaufmann, and J. C. Herron).
- 60) 1989. Hot rocks and not-so-hot rocks: retreat-site selection by garter snakes and its thermal consequences. *Ecology* 70:931-944. (First author with C. R. Peterson, S. J. Arnold, and W. P. Porter).
- 61) 1989. Locomotor performance of hatchling fence lizards (*Sceloporus occidentalis*): quantitative genetics and morphometric correlates. *Evolutionary Ecology*, 3:240-252 (Second author, with J. S. Tsuji, F. H. van Berkum, T. Garland, Jr., and R. G. Shaw).
- 62) 1989. MacArthur Award -- Thomas W. Schoener. *ESA Bulletin*, 70:29-30.
- 63) 1989. Repeatability of individual differences in locomotor performance and body size during early ontogeny of the lizard *Sceloporus occidentalis*. *Functional Ecology* 3:97-105. (Second author, with F. H. van Berkum, J.S. Tsuji, and T. Garland, Jr.).
- 64) 1989. Evolution of thermal sensitivity of ectotherms. *Trends in Ecology and Evolution* 4:131-135. (First author, with J. G. Kingsolver).
- 65) 1990. Physiological adjustments to fluctuating thermal environments: an ecological and evolutionary perspective, pp. 37-59. In R. Morimoto, A. Tissieres, and C. Georgopoulous, editors, *The Role of Heat Shock and Stress Response in Biology and Human Disease*. (First author, with A. F. Bennett)
- 66) 1990. Locomotor capacity and social dominance in adult male lizards (*Sceloporus occidentalis*). *Functional Ecology* 4:243-250. (Third author, with E. Hankins and T. Garland,

Jr.).

- 67) 1990. Variation in locomotor performance in demographically known populations of the lizard *Sceloporus merriami*. *Physiological Zoology* 63:845-872. (First author, with A. E. Dunham, K. L. Overall, and R. A. Newman).
- 68) 1990. Studying the evolution of physiological performance. In: D. J. Futuyma and J. Antonovics, eds., *Oxford Surveys in Evolutionary Biology*, Vol. 6., pp. 251-284, . Oxford University Press, Oxford, U.K. (second author, with A. F. Bennett)
- 69) 1990. Stressing ecology and evolution (book review). *Ecology* 71:1635-1636. (First author, with J. G. Kingsolver).
- 70) 1990. Allometric engineering: an experimental test of the causes of interpopulational differences in performance. *Science* 248:1106-1109. (Second author, with B. Sinervo).
- 71) 1990. Locomotor impairment and defense in gravid lizards (*Eumeces laticeps*): behavioral shift in activity may offset costs of reproduction in an active forager. *Behavioral Ecology and Sociobiology* 27:153-157. (Fourth author, with W. E. Cooper, Jr., L. J. Vitt, R. Hedges.)
- 72) 1991 The consequences of metamorphosis on salamander (*Ambystoma*) locomotor performance. *Physiological Zoology* 64:212-231. (Third author, with H. B. Shaffer and C. C. Austin).
- 73) 1991 Thermal sensitivity of *Drosophila melanogaster* responds rapidly to laboratory natural selection. *Evolution* 45:751-756. (First author, with L. Partridge and K. Fowler).
- 74) 1991. Physiological consequences of habitat selection. *American Naturalist* 137:S91-S115.
- 75) 1991. Ether and CO₂ affect heat tolerance of *Drosophila melanogaster*. *Drosophila Information Service* 70:215. (Second author, with M. T. Smith).
- 76) 1991. Phylogeny and thermal physiology in lizards: a reanalysis. *Evolution* 45:1969-1975. (second author, with T. Garland, Jr., and A. F. Bennett)
- 77) 1992. A method for rapidly measuring heat or cold resistance of small insects. *Functional Ecology* 6:489-494. (First author, with W. D. Crill, J. G. Kingsolver, and K. E. Weber).
- 78) 1992. Allometric engineering: a causal analysis of natural selection on offspring size. *Science* 258:1927-1930 (Third author, with B. Sinervo, P. Doughty, and K. Zamudio).
- 79) 1993. How carefully do ectotherms regulate body temperature? The Fallacy of the Inappropriate Question. *Am. Nat.* 142:796-818. (Second author, with P. E. Hertz, and R. D. Stevenson).
- 80) 1993. An agenda for population and community research in global change, pp. 480-486. In: P. M. Kareiva, J. G. Kingsolver, and R. B. Huey, eds., *Biotic Interactions and Global Change*. Sinauer Associates, Sunderland, MA.
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