

March 2006

CURRICULUM VITAE
Kenneth A. Nagy

TITLE: Professor of Biology

CONTACT INFORMATION:

Business address:

Department of Ecology and Evolutionary Biology
5217 Life Sciences Building
621 Young Drive, South
University of California
Los Angeles, California, USA 90095-1606
Fax: 1 (310) 206-3987
Phone: Office, 1 (310) 825-8771
E-mail: kennagy@biology.ucla.edu

EDUCATION:

- 1971:** Ph.D in Biology, University of California, Riverside.
Dissertation: "Seasonal metabolism of water, energy and electrolytes in a field population of desert lizards, *Sauromalus obesus*"; advisor: Vaughan H. Shoemaker; committee: Wilbur W. Mayhew, George A. Bartholomew.
- 1967:** A.B. in Zoology, University of California, Riverside.
- 1960:** Diploma, Venice High School, California.

ACADEMIC APPOINTMENTS:

- 1984- :** Professor of Biology, Univ. California, Los Angeles
- 1983-1984:** Professor of Biology in Residence, UCLA.
- 1977-1983:** Assoc. Prof. of Biology in Residence, UCLA.
- 1976-1977:** Asst. Prof. of Biology in Residence, UCLA.
- 1972-1976:** Adjunct Asst. Prof. of Biology, UCLA.
- 1971-1972:** Acting Asst. Prof of Biology, UCLA.
- 1969-1970:** Associate in Biology, Univ. of Calif., Riverside.
- 1967-1969:** Teaching Assistant in Biology, UCR.

PROFESSIONAL APPOINTMENTS:

- 1977-1983:** Assoc. Research Zoologist, Laboratory of Biomedical and Environmental Sciences, UCLA.
1972-1977: Asst. Research Zoologist, LBES, UCLA..
1969-1970: Research Assistant, Department of Zoology, UCR.

SCHOLARSHIPS AND FELLOWSHIPS:

- 2002-2003:** Fulbright Fellow
1994-1995: Fulbright Fellow.
1986-1987: Fulbright Fellow.
1967-1971: University of California Regents Graduate Intern Fellowship.
1970: National Science Foundation Summer Traineeship.
1969: NSF Summer Traineeship.

RESEARCH GRANTS AND CONTRACTS:

- 2005-** : U.S. Marines: Desert tortoise head-starting facility and experiments
2005- : U.S. Army: Desert tortoise head-started juvenile release experiment
2004- : U.S. Air Force: Desert tortoise head-start project
2002-2003: Fulbright Foundation: Desert ecophysiology in Morocco.
1996-2005: Dominguez Hills Foundation: Ecophysiology and conservation of Desert Tortoises.
1994-2001: U.S. Army and Calif. State Univ., Dominguez Hills Foundation: Ecology of herpetofauna at Fort Irwin, Mojave Desert.
1994-1995: Fulbright Foundation: African lizard ecophysiology.
1989-1995: Bureau of Land Management: Desert tortoise health and physiology.
1992-1995: Southern California Edison: Desert tortoise reproductive physiology.
1992-1994: Nature Conservancy: Ecology of herpetofauna on Fort Irwin, Mojave Desert.
1991-1993: US Army: Desert tortoise hatchling physiology on Fort Irwin.
1991-1993: California Energy Commission: Desert Tortoise relocation plan.
1971-1988: Department of Energy: Physiological ecology of desert vertebrates.
1986-1989: National Science Foundation: Isotope ratio mass spectrometer purchase.
1986-1987: Fulbright Foundation: African antelope food and water requirements.
1984-1987: NSF: Energetics of mammalian reproduction, J.G. Kenagy, senior PI.
1984-1986: NSF: Bat energy and water balance, T.H. Kunz, senior PI.
1982-1985: US/ Israel Binational Science Foundation: Environmental physiology of desert birds, with A.A. Degen.
1981: Fitzpatrick Institute of African Ornithology: Penguin energy and food needs.
1981-1983: NSF: Kalahari lizard physiological ecology, R.B. Huey, senior PI.
1981-1984: NSF: Bird field energetics, W.W. Weathers, senior PI.
1979-1980: NSF: Field energetics of Australian marsupials.
1978: NSF: Physiology of Galapagos marine iguanas, G.A. Bartholomew, senior PI.

SCIENTIFIC AND PROFESSIONAL ORGANIZATIONS:

American Association for the Advancement of Science
 American Institute of Biological Sciences
 American Physiological Society
 American Society of Ichthyologists and Herpetologists
 American Society of Mammalogists
 Chelonian Research Foundation
 Ecological Society of America (Life member)
 International Association for Ecology
 International Iguana Society
 Societe d'Ecophysiologie (France)
 Society for Integrative and Comparative Biology
 Society for the Study of Amphibians and Reptiles

HONORS AND DISTINCTIONS:

2005: Distinguished Faculty Teaching Award, UCLA Dept. E. E. Biology.
2003: UC Berkeley Hansen Lectureship.
2002: Fulbright Fellow.
1999: Golden Tortoise Award, Desert Tortoise Preserve Committee.
1998: Annual Award, Desert Tortoise Council.
1994-1995: Fulbright Fellow.
1994: Visiting Distinguished Lectureship, University of Cadi Ayyad, Marrakech, Morocco.
1990: Visiting Distinguished Professor, Chengdu Institute of Geology, Sichuan, China.
1990: Keynote speaker, Zoological Society of South Africa.
1989: Paul Levy Memorial Lecture, Medical School, University of the Witwatersrand, Johannesburg.
1986-1987: Fulbright Fellow.
1984: Visiting Scholar, Memorial University, Newfoundland.
1980: Visiting Professor, University of Western Australia.
1979: Visiting Professor, Monash University, Melbourne.
1967-1971: University of California Regents Graduate Intern Fellow.
1966-1967: Dean's Honor List, University of California, Riverside.

HONORARY SOCIETIES:

Sigma Xi Society
 Societe d'Ecophysiologie (France)

*RESEARCH ACTIVITIES:***Expeditions:**

2002: Sahara Desert and Marrakech, Morocco
2001: Namib Desert, Namibia
2000: Atacama Desert and Antofagasta, Chile
1998: Bukhara, Uzbekistan
1996: Chize, France
1995: Zvenigorod, Russia.

Expeditions: (Continued)

- 1994: McMurdo Sound, Antarctica.
- 1994: Sahara Desert and Marrakech, Morocco.
- 1993: Barrow Island, Western Australia.
- 1992: Chize, France.
- 1990: Sichuan Province, China.
- 1990: Namib Desert, Namibia.
- 1988: Skeleton Coast, Namibia..
- 1986: Namib Desert, Namibia.
- 1986: Kalahari Desert, southern Africa.
- 1984: Palmer Station, Antarctica.
- 1983: Negev Desert, Israel.
- 1981: Kalahari Desert, southern Africa.
- 1981: Negev Desert, Israel.
- 1981: Cape Province, South Africa.
- 1980: Perth, Western Australia.
- 1979: Melbourne, Victoria, Australia.
- 1978: Galapagos Islands, Ecuador.
- 1978: Barro Colorado Island, Panama.
- 1977: Barro Colorado Island, Panama.

Invited seminars:

- 2005: Div. Natural Sciences, Pepperdine Univ., Malibu; Dept. of Biology, Univ. of Calif. Riverside
- 2003: Dept. of Integrative Biology, Univ. of Calif., Berkeley (Hansen Lecture); Dept. Fishery and Wildlife Sciences, New Mexico State Univ., Las Cruces
- 2002: Center for Reproduction of Endangered Species, San Diego Zoo; Dept. of Biology, California State University at Northridge
- 2001: Kleberg Wildlife Research Institute, Texas A & M University, Kingsville.
- 2000: University of Antofagasta, Chile; Dept. of Fish and Wildlife Resources, University of Idaho, Moscow
- 1996: Southern California Veterinary Medical Association, Los Angeles; Department of Biology, California State University, San Bernardino
- 1995: Department of Vertebrate Zoology, Moscow State University, Russia; Department of Zoology, University of Aberdeen, Scotland; Division of Natural Sciences, Pepperdine University, Malibu.
- 1994: Department of Biology, University of Cadi Ayyad, Marrakech, Morocco; Department of Biology, UCLA.
- 1992: Division of Natural Sciences, Pepperdine University, Malibu; Range Science Field Workshop, University of Nevada, Reno;, Laboratoire d'Ecologie, Ecole Normale Supérieure, Paris.
- 1990: Department of Zoology, University of British Columbia, Canada; Desert Tortoise Council, California; Department of Biology, UCLA; University of Namibia and Museum of Namibia, Windhoek; Desert Ecological Research Unit of Namibia, Gobabeb, Namibia; Department of Zoology, University of Cape Town, South Africa; Chengdu College of Geology, Sichuan, China; Chengdu Institute of Biological Sciences, Sichuan, China; Ecology Center, Utah State University, Logan.

Invited seminars (continued):

- 1989:** Division of Environmental Biology, LBES, UCLA; Mammal Research Institute, and Department of Zoology, University of Pretoria, South Africa; Department of Physiology, Medical School, University of the Witwatersrand, Johannesburg; Institute of Environmental Biology, Jagiellonian University, Krakow, Poland; Institute of Ecology, Polish Academy of Sciences, Warsaw, Poland; Department of Biology, Pomona College, Claremont, California.
- 1988:** Department of Zoology, Washington State University, Pullman, Washington; Ecological Research Unit, Gobabeb, Namibia.
- 1987:** Department of Biology, Colorado State University, Ft. Collins, Colorado; Physiological Research Laboratory, Scripps Institution of Oceanography, La Jolla, California.
- 1986:** Mammal Research Institute, and Department of Zoology. University of Pretoria, South Africa; Department of Zoology, University of Cape Town, South Africa; Ecological Research Unit, Gobabeb, Namibia; Kalahari Gemsbok National Park, South Africa; Simon Fraser University, Vancouver; University of California, Riverside; University of California, Santa Cruz.
- 1985:** University of Nebraska, Lincoln; University of Chicago; McGill University, Montreal; University of California, Riverside.
- 1984:** University of California, Los Angeles; University of California, Riverside; Explorers Club of Los Angeles; University of California, Los Angeles; Department of Energy, Washington, D.C.; Ben Gurion University, Israel; University of California, Davis; Memorial University, Newfoundland; Boston University, Massachusetts.
- 1983:** North Texas State University, Denton; Loyola Marymount University, Los Angeles; Pepperdine University, Malibu; University of California, Los Angeles.
- 1982:** Pepperdine University, Malibu; University of California, Los Angeles.
- 1981:** University of Cape Town, South Africa; Ben Gurion University, Israel.
- 1980:** University of Western Australia; Scripps Institution of Oceanography, La Jolla; University of California, Los Angeles.
- 1979:** University of California, Riverside; Monash University, Melbourne; CSIRO Wildlife, Canberra; University of New South Wales, Sydney.
- 1977:** University of California, Riverside; Smithsonian Tropical Research Institute, Panama; University of California, L.A.; California State University, Fullerton.

Symposia organized:

- 1998:** "The Interrelations of Fundamental Energetic Parameters and Species Ecologies", XXII International Ornithological Congress, Durban, South Africa.
- 1994:** "Avian Energetics", XXI International Ornithological Congress, Vienna.
- 1993:** "Energetics of Mammals in Arid Regions", Sixth International Theriological Congress, Sydney.
- 1992:** "East Mojave Desert Symposium", University of California and Southern California Edison, sponsors.
- 1990:** "Ecological Energetics of Wild Vertebrates: Seasonal Patterns of Field Energy Expenditures", V International Congress of Ecology, Yokohama, Japan.
- 1987:** "Water, Ionic Exchanges, and Osmoregulation in the Intact Organism", 8th International Conference on Comparative Physiology, Crans Sur Sierre, Switzerland.

Symposium papers presented:

- 2005:** Desert Tortoise Council Symposium, Las Vegas
- 2004:** Desert Tortoise Council Symposium, Las Vegas
- 2003:** Desert Tortoise Council Symposium, Las Vegas; "The Desert Tortoise", Palm Springs Desert Museum
- 2002:** Desert Tortoise Council Symposium, Palm Springs; "Deserts of the World", Palm Springs Desert Museum
- 2001:** Desert Tortoise Council Symposium, Tucson
- 2000:** Desert Tortoise Council Symposium, Las Vegas
- 1999:** Desert Tortoise Council Symposium, Saint George, UT.
- 1998:** XXII International Ornithological Congress, Durban, South Africa
- 1997:** 3rd World Congress of Herpetology, Prague; Desert Tortoise Council Symposium, Las Vegas, NV; 7th International Theriological Congress, Acapulco.
- 1996:** Desert Tortoise Council Symposium, Las Vegas, NV; Desert Tortoise Nutrition Conference, Zzyzx, CA; Society for Integrative and Comparative Biology, Albuquerque.
- 1995:** Desert Tortoise Council Symposium, Las Vegas, NV; 4th International Congress of Comparative Physiology and Biochemistry, Birmingham, England.
- 1994:** Desert Tortoise Council Symposium, Phoenix, Arizona (two papers given); Desert Research Symposium, Redlands, CA; XXI International Ornithological Congress, Vienna, Austria; American Physiological Society Intersociety Meeting, San Diego, CA.
- 1993:** Desert Tortoise Council Symposium, Palm Springs, CA (two papers given); Sixth International Theriological Congress, Sydney, Australia (two papers given); Second World Congress of Herpetology, Adelaide, Australia.
- 1992:** Desert Tortoise Council Symposium, Las Vegas, NV (two papers given).
- 1991:** Desert Tortoise Council Symposium, Las Vegas, NV.
- 1990:** Desert Tortoise Council Symposium, Victorville, CA; V International Congress of Ecology, Yokohama, Japan; 20th International Ornithological Congress, Christchurch, New Zealand (two papers given).
- 1989:** Desert Tortoise Council Symposium, Mesquite, Nevada; Dunes '89 Meeting: "Geomorphology and Ecology of Desert and Coastal Sand Dunes", Swakopmund, Namibia; First World Congress of Herpetology, Canterbury, England (two papers given).
- 1987:** American Society of Zoologists, New Orleans, Louisiana.
- 1986:** International Congress of Ecology, Syracuse; International Physiological Congress, Switzerland; Palm Springs Desert Museum, California; Ecological Applications of Stable Isotope Ratios, Lake Arrowhead, California.
- 1980:** Lizard Ecology Symposium, American Society of Zoologists Meeting, Seattle, WA.
- 1979:** Symposium on Iguanine Lizards, Knoxville, Tennessee
- 1977:** International Conference on Energy Use Management, Tucson; Desert Tortoise Council Symposium, Las Vegas, NV
- 1974:** AIBS Symposium on environmental physiology of desert organisms, Tempe, Arizona; American Nuclear Society symposium on new applications of stable isotopes, Washington, D.C.

Keynote speaker:

1990: Zoological Society of South Africa, Symposium, Port Elizabeth, South Africa.

1987: Physiological Ecologists Meeting, White Mountain, California.

Tutorial lecture:

1990: "The doubly labeled water method", American Physiological Society meeting, Orlando, Florida.

Invited instructor:

2002: Conference on "Ecophysiology of Desert Animals", Cadi Ayyad University, Marrakech, Morocco

1992: International course on "Ecological Energetics of Wild Vertebrates", Paris and Chize, France.

1990: Lecture series on "Isotopes in Ecological Research", Chengdu College of Geology, Sichuan Province, P. R. China

Meeting papers:

2004: Journal of Experimental Biology Discussion Meeting on Scaling of Functions in Animals, Ascona, Switzerland

2004: 3rd International Conference on Comparative Biochemistry and Physiology In Africa, Ithala Game Reserve, KwaZulu-Natal, South Africa

2003: International Conference on Comparative Biochemistry and Physiology, Mt. Buller, Victoria, Australia

1999: Physiological Ecologists Meeting, White Mountain, CA

1998: Herpfest, Santa Barbara, CA

1991: DOE Environmental Research meeting, Las Vegas, NV.

1985: DOE Physiology meeting, Fort Worden, Washington; Physiological Ecologists Meeting, White Mountain, California.

1984: Physiological Ecologists Meeting, White Mountain, California; DOE Arid Lands Meeting, Washington, D.C.

1983: Physiological Ecologists Meeting, White Mountain, California.

Workshops:

2002: Desert Tortoise Disease Workshop, Zzyzx, Ca.

2002: "Field methods in animal ecophysiology", Marrakech, Morocco

1996: "Field methods in animal energetics", Chize, France

1990: "Technological innovations for examining activity budgets of seabirds", 20th International Ornithological Congress, Christchurch, New Zealand.

1988: Doubly Labeled Water Standardization Workshop, Clare College, Cambridge University, England.

1985: Desert Tortoise Workshop, Malibu, CA; Seed Producers and Consumers Workshop, Malibu, CA.; DOE workshop on animal energetics in extreme environments, Buffalo, N.Y.; DOE workshop on stress biology, UCLA.

1984: Workshop on Field Experimentation, University of Arizona.

1981: DOE Ecology Division, Washington, D.C.

1978: DOE workshop on ecological impacts of solar conversion, Tempe, Arizona.

1976: ERDA workshop on geothermal energy conversion in the Imperial Valley, Lake Arrowhead, California

1973: US/IBP Desert Biome Workshop on Granivory, Salt Lake City, Utah.

International agreement:

Author and Faculty Coordinator, Cooperative and Cultural Agreement between Chengdu College of Geology, Sichuan, People's Republic of China, and UCLA, 1992-1997.

*TEACHING ACTIVITIES:***Undergraduate courses:**

Animal Physiology; Animal Environmental Physiology; Physiological Ecology of Desert Animals; Herpetology; Field Biology for Non-majors; various Individual Studies and Honors courses; Frosh seminars in desert ecology and biodiversity.

Graduate courses:

Seminar in Environmental Physiology; Physiological Ecology of Desert Animals; Physiological Ecology; various Individual and Research courses for graduate students.

Invited lectures in:

Ecology; Herpetology; Comparative Physiology; Biology for Majors in Physical Sciences and Engineering; various UC Extension courses.

Postdoctoral students:

William J. Mautz (1978-1981)
 David F. Bradford (1983)
 Barry G. Lovegrove (1988)
 Gary E. Strathearn (1987-1989)
 Mark A. Wilson (1989-1990)
 Christian Meienberger (1990-1992)
 Byron A. Wilson (1990-1992)
 Ian R. Wallis (1991-1993)
 Andre A. Ancel (1993-1994)
 Brian T. Henen, (1995-1997)
 Dawn Wilson (1996-1998)
 Lisa Hazard, (1999-2001)
 Caron Inouye (1999-2000)

Visiting researchers:

Brian Green (1980), from CSIRO Wildlife, Canberra.
 James Gessaman (1986), from the Department of Biology, Utah State University, Logan.
 Hu Hongxing (1989-1990), from Department of Environmental Sciences, Wuhan University, Wuhan, Hubei, China.
 C. Richard Tracy (1989-1990), from the Department of Biology, Colorado State University, Colorado.
 Mohammed Znari (1994), from the Department of Biology, University of Cadi Ayyad, Marrakech, Morocco.

Former graduate students:

William H. Karasov (Ph.D. 1981), dissertation title "Physiological aspects of feeding ecology in the antelope ground squirrel, *Ammospermophilus leucurus*", postdoctoral work with Jared Diamond at UCLA (1981-1984), and now Assistant Professor of Wildlife Ecology, University of Wisconsin, Madison.

Former graduate students (continued):

- Ronald D. Gettinger (Ph.D. 1981), dissertation title "Seasonal aspects of energy and water metabolism and daily activity patterns of free-ranging pocket gophers, *Thomomys bottae*", postdoctoral work at Colorado State University, now Assistant Professor of Biology, University of Alabama, Birmingham.
- Margaret H. Fusari (Ph.D. 1982), dissertation title "The oxygen consumption and water balance of the California legless lizard, *Anniella pulchra*", now Acting Asst. Prof., and Asst. Provost, College Eight, University of California, Santa Cruz.
- David L. Goldstein (Ph.D. 1983, cosponsor with G.A. Bartholomew), dissertation title "Thermal relations, activity patterns and field energetics of a desert quail (*Callipepla gambelii*)", now Professor of Biological Sciences, Wright State University, Dayton, Ohio.
- Allison Collins (M.A. 1984) in Biology, by field examination.
- Karen L.M. Martin (Ph.D. 1990), dissertation title "Aerial respiration in marine intertidal fishes", then Postdoctoral Scholar at Friday Harbor Laboratories, University of Washington, Seattle, and now Associate Professor at Pepperdine University, Malibu, CA.
- Mark Gruchacz (M.A. 1991), dissertation title "Field metabolic rate and water balance of the kangaroo rat, *Dipodomys merriami*", now a Ph.D. student in physiology and anatomy, Temple University, Philadelphia.
- Gwendolyn Bachman (Ph.D. 1992), (formerly with Dr. B. Obst), dissertation title "Behavior, physiology and energetics of a ground squirrel", now Assistant Professor at University of Nebraska, Lincoln
- Lisa Ballance (PH.D. 1993, cosponsor with W. Hamner), dissertation title: "Community ecology and flight energetics of tropical Pacific seabirds", now Postdoctoral Scholar with National Marine Fisheries Service, San Diego.
- Charles Peterson (Ph.D. 1993, cosponsor with L.J. Vitt), dissertation title: "Comparative physiological ecology of Mojave Desert populations of the Desert Tortoise (*Xerobates agassizii*): Effects of seasonal rainfall patterns", now Lecturer at Univ. of Calif., Los Angeles.
- Betty Ann Schreiber (Ph.D. 1994, cosponsor with W. Hamner), dissertation title: "Chick provisioning patterns and growth in Red-tailed Tropicbirds: A test of the Lack and Ashmole hypotheses on energy limitation in seabirds", now at the Smithsonian Institution, Washington, D.C.
- Brian T. Henen (Ph.D. 1995), dissertation title: "Seasonal and annual energy and water budgets of female Desert Tortoises (*Xerobates agassizii*) at Goffs, California", now Postdoctoral Scholar at Smithsonian Institution, Wash. D.C.
- Daryll Hayse (M.A. 1998) in Biology, by field examination.
- Isabelle Girard (Ph.D. 1998), dissertation title: "The physiological ecology of a small canid, the Kit Fox (*Vulpes macrotis*), in the Mojave Desert", now Postdoctoral Scholar at the University of Wisconsin, Madison.
- Caron Inouye (Ph.D. 1999, cosponsor with D. Chapman), dissertation title "The physiological bases for carotenoid color variation in the House Finch, *Carpodacus mexicanus*", now Postdoctoral Scholar at UCLA.

Former graduate students (continued):

Brian Parker (M.A. 2001) in Biology, by field examination.

Danielle Shemanski (M.A. 2004) in Biology, by field examination

Tracey K. Brown (Ph.D. 1999), dissertation title: "The physiological ecology of Desert Horned Lizards (*Phrynosoma platyrhinos*) in the Mojave Desert", now Postdoctoral Scholar at the San Diego Zoological Society.

Present graduate students:

Toan Hoai, (M.A.) Desert tortoise ecophysiology and conservation.

Stephanie Adams (M.A.) Desert tortoise growth physiology, conservation.

Summer scholarship (AWU) students:

Sponsored two Summer Fellows.

Student research program:

Sponsored 27 undergraduate students to date.

SERVICE ACTIVITIES:

Member, Board of Editors, Israel Journal of Zoology, (1999-continuing)

Member, Board of Editors, Ecological Society of America, (1987-1991)

Member, Board of Editors, Physiological Zoology (American Society of Zoologists), (1989- 1996)

Member, Editorial Board, American Journal of Physiology: Regulatory, Integrative and Comparative Physiology (American Physiological Society), (1990-2000)

Member, Editorial Board, Oecologia (International Association for Ecology/ Intecol), (1995-1998)

Associate Editor, Desert Ecology Series, University of Arizona Press, (1990- present).

Referee for manuscripts (average: 20/year) submitted for publication in: "Biology of the Reptilia", "Desert Biology", "Wildlife Techniques Manual", American Journal of Physiology, American Midland Naturalist, American Naturalist, American Journal of Zoology, Auk, Australian, Journal of Zoology, Australian Raptor Association, Behavioral and Brain Sciences, Biological Reviews, Biotropica, Canadian Journal of Zoology, Colonial Waterbirds, Comparative Biochemistry and Physiology, Condor, Copeia, Ecography, Ecological Monographs, Ecography, Ecological Applications, Ecology, Ecoscience, Functional Ecology, Great Basin Naturalist, Herpetologica, Herpetological Journal, Herpetological Monographs, Holarctic Ecology, Integrative and Comparative Biology, Israeli Journal of Zoology, Journal of Applied Physiology, Journal of Comparative Physiology, Journal of Experimental Biology, Journal of Experimental Zoology, Journal of Herpetology, Journal of Mammalogy, Journal of Wildlife Management, Journal of Zoology (Lond.), Journal of Zoo and Aquarium Research, Marine Biology, Marine and Freshwater Research, National Biological Survey, National Geographic Society, Nature, Oecologia, Oikos, Physiological and Biochemical Zoology, Physiology and Behavior, Physiological and Biochemical Zoology, Polar Biology, Proceedings of the National Academy of Sciences, Proceedings of the Royal Society, Quarterly Review of Biology, Science, South African Journal of Science, Wildlife Research, Wilson Bulletin.

SERVICE ACTIVITIES (CONTINUED):

Reviewer for grant proposals (average 10/year) submitted to: Australian Research Council, Australian Research Grants Scheme, Australian Research Council, Bureau of Land Management, California Sea Grant College Program, Canadian Circumpolar Institute, Department of Energy, Desert Tortoise Council, Foundation for Research Development (South. Africa), Hawaii Sea Grant College Program, Idaho State Board of Education, Israel Science Foundation, March of Dimes, National Geographic Society, National Research Council (South Africa), National Science Foundation (Population Biology and Physiological Ecology), NSF (Animal Systems

Reviewer for grant proposals submitted to (continued):

Physiology), NSF (Cellular Sciences), NSF (Division of Earth Sciences), NSF (Ecology and Evolution), NSF (Functional Ecology), NSF (Integrated Animal Biology), NSF (Neuroendocrine), NSF (Physiological Processes), NSF (Polar program), Natural Environment Research Council of Great Britain, Nature Conservancy, US/IBP Desert Biome, Research Council of Norway, Wellcome Trust (UK), US/Israel Binational Science Foundation, Wildlife Conservation Society, Virginia Polytechnic University,

Outside reviewer for: Canadian Natural Science and Engineering Research Council (Instrumentation Program, 1990).

External referee for:

Major proposals: CIBA Fellowship (U.K.); Ben Gurion University of the Negev; University of Cape Town, South Africa; University of the Witwatersrand, Johannesburg, South Africa; Australian Academy of Science; Foundation for Research Development, South Africa, University of Chicago (proposal to Committee on Human Nutrition), Australia: National Framework for Ecological Risk Assessment (involving use of my predictive equations).

Personnel promotions:

University of Witwatersrand, Johannesburg (4/96); McGill University (12/95); University of Pietermaritzburg (6/96); University of Nevada, Reno (3/97); University of Aberdeen, Scotland (1996); Harvey Mudd College, Claremont (4/97); University of California, Davis (3/99); University of Sydney (9/99); University of Western Australia (6/00); City College of New York (2/01); University of California, Santa Cruz (9/01); Ohio State University (8/01); University of New Mexico (10/01); University of Groningen (2004); University of KwaZulu-Natal (2005).

Academy memberships:

Australian Academy of Sciences (2005)

Ph.D theses:

University of Sydney (9/99)

University of the Witwatersrand (10/05)

Sigma Xi Society Membership Committee (1974-1975).

US/IBP Desert Biome Physiological Modeling Subcommittee (1973).

Committee to Establish Mojave Desert Nature Reserve (1973-1974).

Advisor to research group studying effects of off-road vehicles on desert ecosystem, in conjunction with Bureau of Land Management and California Department of Fish and Game (1973-1974).

Lecture to Science Faculty of Washington High School, L.A.(1976).

SERVICE ACTIVITIES (CONTINUED):

Lectures to grade school classes at Mar Vista Elementary School, L.A., Virginia Road School, L.A., and Nedlands Primary School, Western Australia.

Advisor to National Geographic Society book "Secrets of Animal Survival".

Biology Department, UCLA, committee service: Departmental Written Qualifying Examination, Search for Ecologist/ Associate Director of LBES, Ad Hoc Promotion, Seminar, Graduate Student Support and Admissions, Search for Herpetologist, Physiology Course Improvement (ad hoc) Promotions and Merit Increases, various M.A. and Ph.D. Advisory, Examination, and Thesis Committees.

Biology Department, UCLA, Co-Chair (Integrative Biology Division) 1991-92.

Laboratory of Biomedical and Environmental Sciences committees: Library, Ad Hoc Promotion, Ad Hoc Advancement, Vivarium, Cyclotron, Animal Care, Ad Hoc Review, Laboratory Rights and Privileges, Special Performance Award.

Academic Senate committee service: various Ad Hoc Promotions, Committee on Undergraduate Student Support, Honors & Prizes (1990-1991).

Lecture to Robert Frost Jr. High Honors students (1985).

Boy Scouts of America, merit badge counselor for Environmental Science and Mammalogy (1983- present).

UCLA "Dinners for 12 Strangers" host/cohost (annually, 1983-present).

Blue Ribbon Task Force member, "Desert Tortoise and Grazing", US Bureau of Land Management (1990-present)

Technical Advisory Committee, member, desert tortoises in the Mojave Desert of California, US BLM (1990-1991).

Illustrated talk to San Diego Turtle and Tortoise Society (2003)

Illustrated talk to Turtle and Tortoise Care Society (1999).

Illustrated talks to California Turtle and Tortoise Club (1991, 1999, 2002, 2002)

Illustrated talk on "Biodiversity in the Mojave Desert" to Antelope Valley Heritage Association, Palmdale (1992).

Illustrated informal travelogs to LSBMM and Biology Department (1978-present).

Consultant (unpaid) to: Los Angeles Channel Nine News (1994); American Institute of Biological Sciences, on desert biology (1994); Bureau of Land Management advisory committee on American Honda Project (1989-93); Edwards Air Force Base (Environmental Division)(1996-7); Telenova "The Frozen Kingdom" (text Reviewer, 1998); Science News, article comments (2000), STAR Co., herpetological display (Culver City)(2000); Daily Bruin, article on Stunt Ranch (2000), L.A. Times, article on drought (2002), Science magazine, comments on articles (2001, 2002); The College of New York (2001); Toronto Zoo (2001); BBC Films (2002); University of Akron (2002); Environmental Review Newsletter