

DAVID SLOAN WILSON

President, [Evolution Institute](#)

Distinguished Professor, Departments of Biology and Anthropology

Binghamton University

Binghamton, New York 13902-6000

Tel: 607-777-4393 Fax: 607-777-6521

Dwilson@binghamton.edu

Born: Norwalk, Connecticut 1949

Married: Anne B. Clark 1975

Children: Katherine Barrett, 1982
Tamar Elise, 1987

Home: 147 Hile School Rd, Freeville New York 13068

Education: B.A. 1971, University of Rochester (High honors)
Ph.D. 1975, Michigan State University

Positions: Research Fellow, Biological Laboratories, Harvard University, 1974-1975

Research Associate, Department of Zoology, University of Washington
1975-1976

Research Associate, Department of Zoology, University of the
Witwatersrand (South Africa), 1975-1976

Senior Research Officer, National Research Institute for the Mathematical
Sciences (South Africa), 1976-1977

Assistant Professor, Division of Environmental Studies, University of
California, Davis, 1977-1980

Assistant Professor, Kellogg Biological Station and Department of
Zoology, Michigan State University, 1980-1982

Associate Professor, Kellogg Biological Station and Department of
Zoology, Michigan State University, 1982-1988

Professor, Department of Biological Sciences, State University of New
York, Binghamton, New York 13901, 1988—present

Joint appointment with Department of Anthropology, 2001-present

SUNY Distinguished Professor (highest rank within the SUNY system),
2006

- Grants:
- 1974-1976 Adequacy of Body Size as a Niche Difference (NSF)
 - 1978-1980 The evolution of communities in structured demes: a field test involving insect-mite associations (NSF)
 - 1980-1982 Renewal
 - 1982-1984 Renewal
 - 1984-1987 Renewal
 - 1986-1987 An evolutionary approach to the study of human psychology (J.S. Guggenheim Fellowship)
 - 1989-1992 The evolution of functionally organized communities (DOE)
 - 1989-1991 Conflict and cooperation in burying beetles (NSF with Steve Trumbo)
 - 1989-1991 N-person games and the evolution of cooperation (NSF Doctoral dissertation improvement grant for L.A. Dugatkin)
 - 1990-1991 The cost of phenotypic plasticity (Pocono Lakes Comparative Research Program)
 - 1991-1992 Cooperation and conflict in burying beetles (REU supplement to BSR-8906183).
 - 1992-1994 Invasion of an ecological niche by *Lepomis gibbosus* in lakes without *Lepomis macrochirus* (NSF)
 - 1992-1994 Evolutionary altruism and the units of selection problem (NSF with Elliott Sober)
 - 1995-1997 Evolution and costs of rapid growth in pumpkinseed sunfish (NSF doctoral dissertation improvement award to J. Arendt)
 - 1997-2000 Community-level selection (NS)
 - 1998-2000 Forgiveness from a cross-cultural and evolutionary perspective (John Templeton Foundation)
 - 2001-2002 Annotated bibliography and critical review of altruism from an

evolutionary perspective (Institute for Research on Unlimited Love)

2003-2005 Altruism, evolution, and individual experience (Institute for Research on Unlimited Love)

2006-2008 A New Field of Evolutionary Religious Studies and the Natural History of the Afterlife (John Templeton Foundation)

2008-2010 Teaching social complexity and multidisciplinary team building: an experimental engineering approach (National Science Foundation)

2008-2010 Expanding evolutionary studies in American higher education (National Science Foundation CCLI Phase II grant with SUNY New Paltz).

2009-2010 Evolution of Religion: Combining top-down and bottom-up approaches (John Templeton Foundation)

2010-2012 The Role of Religion in the Governance of Common Pool Resource Groups (John Templeton Foundation)

2013-2016 Religion's Impact on Human Life: Integrating Proximate and Ultimate Perspectives (John Templeton Foundation; with Harvey Whitehouse at the University of Oxford).

2014-2016 This View of Life and the Science to Narrative Chain (John Templeton Foundation).

2015-2017 Creating a New Society for the Study of Cultural Evolution (John Templeton Foundation)

2018-2020: **Using Technology to Enhance Rather Than Erode Moral**

Systems

PUBLICATIONS

BOOKS

Wilson, D. S. (1980). The Natural Selection of Populations and Communities. Menlo Park, CA: Benjamin/Cummings.

Sober, E., & Wilson, D. S. (1998). Unto Others: The Evolution and Psychology of

- Unselfish Behavior. Cambridge, MA: Harvard University Press.
- Wilson, D. S. (2002). Darwin's Cathedral: Evolution, Religion and the Nature of Society. Chicago: University of Chicago Press.
- Gottschall, J. & Wilson, D.S., Eds. (2005). The Literary Animal: Evolution and the Nature of Narrative. Northwestern University Press
- Wilson, D.S. (2007) Evolution for Everyone: How Darwin's Theory Can Change the Way We Think About Our Lives Delacorte Press.
- Wilson, D.S. (2011) The Neighborhood Project: Using Evolution to Improve My City, One Block At A Time. Little, Brown.
- Oakley, B., Knafo, A., Madhavan, G., and Wilson, D.S., Eds. (2011). Pathological Altruism. Oxford University Press.
- Wilson, D.S. (2015) Does Altruism Exist? Culture, Genes, and the Welfare of Others. Yale University and Templeton Press.
- Wilson, D. S., & Hayes, S. C. (2018). *Evolution and Contextual Behavioral Science: An Integrated Framework for Understanding, Predicting, and Influencing Behavior*. Menlo Park, CA: New Harbinger Press.
- Wilson, D.S. (2019) *This View of Life: Completing the Darwinian Revolution*. Pantheon Press (due spring)

OTHER PUBLICATIONS

- Wilson, D. S. (1973). Food size selection among copepods. Ecology, 54, 909-914.
- Wilson, D. S. (1974). Prey capture and competition among ant-lions. Biotropica, 6, 187-193.
- Wilson, D. S. (1975). Group selection in predator-prey communities (review of book by M. Gilpin). Science, 189, 870.
- Wilson, D. S. (1975). A theory of group selection. Proceedings of the National Academy of Sciences, 72, 143-146.
- Wilson, D. S. (1975). The adequacy of body size as a niche difference. American Naturalist, 109, 769-789.
- Wilson, D. S. (1976). Evolution on the level of communities. Science, 192, 1358-1360.

- Wilson, D. S. (1976). Deducing the energy available in the environment--an application of optimal foraging theory. Biotropica, 8, 86-103.
- Wilson, D. S. (1977). Structured demes and the evolution of group advantageous traits. American Naturalist, 111, 157-185.
- Wilson, D. S. (1977). How nepotistic is the brain worm? Behavioral Ecology and Sociobiology, 2, 421-425.
- Wilson, D. S., & Clark, A. B. (1977). Above ground predator defence in the harvester termite Hodotermes mossambicus (Hagen). Journal of the entomological society of South Africa, 40, 271-282.
- Wilson, D. S. (1978). Prudent predation--a field test involving three species of tiger beetles. Oikos, 31, 128-136.
- Wilson, D. S. (1978). A cultural route to biological fitness. Evolutionary theory, 3, 235-236.
- Wilson, D. S., Leighton, M., & Leighton, D. (1978). Interference competition in a tropical ripple bug (Hemiptera, Veliidae). Biotropica, 10, 302-306.
- Wilson, D. S. (1979). Structured demes and trait group variation. American Naturalist, 113, 606-610.
- Slatkin, M., & Wilson, D. S. (1980). Coevolution in structured demes. Proceedings of the National Academy of Sciences, 76, 2084-2087.
- Wilson, D. S. (1980). Suicide, beanbag genetics and pleiotropy (comment on D. de Catazarro's Human suicide: A biological perspective). Behavioral and brain sciences, 3, 265-290.
- Clark, A. B., & Wilson, D. S. (1981). Avian breeding adaptations: Hatching asynchrony, brood reduction, and nest failure. Quarterly Review of Biology, 56, 253-277.
- Wilson, D. S. (1981). Animal communities. McGraw-Hill 1981 Yearbook of Science and Technology.
- Wilson, D. S., & Colwell, R. K. (1981). The evolution of sex ratio in structured demes. Evolution, 35, 882-897.
- Wilson, D. S. (1982). Genetic polymorphism for carrier preference in a phoretic mite. Annals of the entomological society of America, 75, 293-296.
- Wilson, D. S., & Hedrick, A. (1982). Speciation and the economics of mate choice.

Evolutionary theory, 6, 15-24.

Wilson, D. S. (1983). Reply to Treisman. Journal of Theoretical Biology, 102, 459-462.

Wilson, D. S. (1983). The effect of population structure on the evolution of mutualism: a field test involving burying beetles and their phoretic mites. American Naturalist, 121, 851-870.

Wilson, D. S. (1983). The group selection controversy: History and current status. Annual Review of Ecology and Systematics, 14, 159-187.

Wilson, D. S., & Gleeson, S. (1983). A big book on sex (review of G. Bell's *The Masterpiece of Nature*). Evolution, 37, 428-430.

Wilson, D. S. (1984). Food discrimination and ovarian development in burying beetles (Coleoptera: Silphidae: Nicrophorus). Annals of the Entomological Society of America, 77, 165-170.

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Wilson, D. S., Fudge, J., & Knollenberg, W. G. (1984). Species packing and temperature dependent competition among burying beetles. Ecological entomology, 9, 205-216.

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Clark, A. B., & Wilson, D. S. (1985). The onset of incubation in birds. American Naturalist, 125, 603-611.

Wilson, D. S. (1985). Adaptive indirect effects. In T. Case & J. M. Diamond (Eds.), Ecological communities (pp. 437-444). New York: Harper and Row.

Gleeson, S. K., & Wilson, D. S. (1986). Equilibrium diet: optimal foraging and prey coexistence. Oikos, 46, 139-144.

Wilson, D. S. (1986). Review of the biology of mutualism (D.H. Boucher, ed., Oxford University Press). Quarterly review of biology, 61, 544.

Wilson, D. S., & Turelli, M. (1986). Stable underdominance and the evolutionary invasion of empty niches. American Naturalist, 127, 835-850.

Wilson, D. S. (1987). Altruism in mendellian populations derived from kin groups: the haystack model revisited. Evolution, 41, 1059-1070.

Wilson, D. S. (1987). Adaptive indirect effects: the fitness of burying beetles with and

without their phoretic mites. Evolutionary Ecology, 1, 139-159.

Ehlinger, T., & Wilson, D. S. (1988). Complex foraging polymorphism in the bluegill sunfish. Proceedings of the National Academy of Sciences, 85, 1878-1882.

Taylor, P. D., & Wilson, D. S. (1988). A mathematical model for altruism in haystacks. Evolution, 42, 193-197.

Wilson, D. S. (1988). Strategies of knowledge acquisition (Comment on C. S. Findlay and C. J. Lumsden's The creative mind: toward an evolutionary theory of discovery and innovation). Journal of Social and Biological Structures, 11, 161.

Wilson, D. S. (1988). Holism and reductionism in evolutionary biology. Oikos, 53(269-273).

Wilson, D. S. (1989). Levels of selection: an alternative to individualism in biology and the human sciences. Social Networks, 11, 257-272.

Wilson, D. S. (1989). Review of The latest on the best: essays on evolution and optimality (J. Dupre, ed.). American Scientist, 78, 54-55.

Wilson, D. S. (1989). The differentiation of single gene pools by density and frequency dependent selection. In D. Otte & J. A. Endler (Eds.), Speciation and its consequences Sunderland, Mass.: Sinauer Associates.

Wilson, D. S., & Sober, E. (1989). Reviving the superorganism. Journal of Theoretical Biology, 136, 337-356.

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Dugatkin, L. A., & Wilson, D. S. (1991). ROVER: a strategy for exploiting cooperators in a patchy environment. American Naturalist, 138, 687-701.

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Wilson, D. S., & Dugatkin, L. A. (1991). TIT-FOR-TAT vs. Nepotism, or, why should you be nice to your rotten brother? Evolutionary Ecology, 5, 291-299.

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carrion beetle hosts. Ecology, 73, 463-479.

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Wilson, D. S. (1992). The effect of complex interactions on variation between units of a metacommunity, with implications for biodiversity and higher levels of selection. Ecology, 73, 1984-2000.

Wilson, D. S. (1992). Group Selection. In E. F. Keller & E. A. Lloyd (Eds.), Key words in evolutionary biology (pp. 145-148). Cambridge, Mass.: Harvard University Press.

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- Wilson, D. S., & Sober, E. (1994). Reintroducing group selection to the human behavioral sciences. Behavioral and Brain Sciences, 17, 585-654.
- Wilson, D. S., & Wells, A. (1994). Radical epistasis and the genotype-phenotype relationship. Artificial Life, 2, 117-128.
- Wilson, D. S., & Yoshimura, J. (1994). On the coexistence of specialists and generalists. American Naturalist, 144, 692-707.
- Robinson, B. W., & Wilson, D. S. (1995). Experimentally induced morphological diversity in Trinidadian guppies (*Poecilia reticulata*). Copeia, 1995, 294-304.
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- Wilson, D. S. (1995). Language as a community of interacting belief systems: a case study involving conduct toward self and others. Biology and Philosophy, 10, 77-97.
- Wilson, D. S. (1995). Holding a mirror to human evolutionary psychology (review of *The Moral Animal*, by Robert Wright. Pantheon Books, New York). Quarterly Review of Biology, 70, 53-56.
- Wilson, D. S. (1995). Sociopathy within and between small groups (commentary on

target article by L. Mealey). Behavioral and Brain Sciences, 18, 577.

Wilson, D. S., Clark, A. B., Coleman, K., & Dearstyne, T. (1995). Reply to Greenberg. Trends in Ecology and Evolution, 10, 166.

Robinson, B. W., & Wilson, D. S. (1996). Genetic variation and phenotypic plasticity in a trophically polymorphic population of pumpkinseed sunfish (*Lepomis gibbosus*). Evolutionary Ecology, 10, 1-22.

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Wilson, D. S., & Clark, A. B. (1996). The shy and the bold. Natural History, 9/96, 26-28.

Wilson, D. S., & Dugatkin, L. A. (1996). A reply to Lombardi and Hurlbert. Animal Behavior, 52, 423-425.

Wilson, D. S., Muzzall, P. M., & Ehlinger, T. J. (1996). Parasites, morphology and habitat use in a bluegill sunfish (*Lepomis macrochirus*) population. Copeia, 1996, 348-354.

Wilson, D. S., Near, D., & Miller, R. R. (1996). Machiavellianism: a synthesis of the evolutionary and psychological literatures. Psychological Bulletin, 199, 285-299.

Arendt, J. D., & Wilson, D. S. (1997). Optimistic Growth: Competition and an ontogenetic niche-shift select for rapid growth in pumpkinseed sunfish (*Lepomis gibbosus*). Evolution, 51, 1946-1954.

Coleman, K., & Wilson, D. S. (1997). Ecological and behavioral determinants of home range in juvenile pumpkinseed sunfish (*Lepomis gibbosus*). Ethology, 102, 900-914.

DeWitt, T. J., Sih, A., & Wilson, D. S. (1997). Costs and limits to benefits as constraints on the evolution of phenotypic plasticity. Trends in ecology and evolution, 13, 77-81.

Wilson, D. S. (1997). Biological communities as functionally organized units. Ecology, 78, 2018-2024.

Wilson, D. S. (1997). Introduction: Multilevel selection theory comes of age. American Naturalist, 150, S1-S4.

Wilson, D. S. (1997). Incorporating group selection into the adaptationist program: a case study involving human decision making. In J. Simpson & D. Kendrick (Eds.), Evolutionary social psychology (pp. 345-386). Mahwah, N.J.: Erlbaum.

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- Wilson, D. S. (1999). Flying over uncharted territory: Review of *The Meme Machine*, by Susan Blackmore. Science.
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- Wilson, D. S. (1999). Evolutionary support for egalitarianism(Commentary on Bowles and Gintis "Is equality passe?"). Boston Review, in press.
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