

STUART L. PIMM

Doris Duke Chair of Conservation Ecology
Nicholas School of the Environment and Earth Sciences
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PERSONAL DATA

Phone 646 489 5481, e-mail: StuartPimm@AOL.COM

Date and place of birth: Derbyshire, England, 27th February 1949; Naturalized U.S. citizen

Married: June 2nd 1990 to Julia Killeffer of Knoxville, Tennessee

Children: Stephanie (1983), Shama (1985)

Degrees

B.A. Second Class Honors, Oxford, England, 1971

Ph.D. New Mexico State University, U.S.A. 1974

Positions

Assistant Professor, Clemson University, South Carolina, 1974–1975; Assistant Professor, Texas Tech University 1975–1979; Associate Professor, Texas Tech University, 1979–1982; Associate Professor, Department of Ecology and Evolutionary Biology, University of Tennessee, Knoxville, 1982–1986; Professor, UTK, 1986–1999; Professor, Center for Environmental Research and Conservation, Columbia University, 1999 – 2002.

Doris Duke Chair of Conservation Ecology, Duke University, USA, 2002 – present

Extraordinary Professor, University of Pretoria*, South Africa 2001 – 2004.

Awards

University of Tennessee, Science Alliance 1984–1999.

Pew Scholar in Conservation and the Environment, 1993–1997

Kempe Prize for Distinguished Ecologists, 1994

Aldo Leopold Leadership Fellow, 1999

Honors

1993–1995. Sigma Xi National Lecturer

1997– present. Distinguished Associate in Research, Bernice P. Bishop Museum, Honolulu, Hawai'i

2000 Institute of Scientific Information, Highly Cited Researcher.

SAMPLE PUBLICATIONS (total ~200)

Crowell, K. and S. L. Pimm. 1976. Competition and niche shifts of mice introduced onto small islands. *Oikos* 27: 251- 258.

Pimm, S. L. and J. H. Lawton. 1977. On the number of trophic levels. *Nature* 268:329–331.

Pimm, S. L. and J. H. Lawton. 1980. Are food webs compartmented? *Journal of Animal Ecology* 49:879–898.

Moulton, M. P. and S. L. Pimm. 1983. The introduced Hawaiian avifauna: biogeographical evidence for competition. *American Naturalist* 121:669–690.

Pimm, S. L. 1984. The complexity and stability of ecosystems. *Nature* 307:321–326

Pimm, S. L. and A. Redfearn. 1988. The variability of animal populations. *Nature* 334:613–614.

Pimm, S. L., H. L. Jones and J. M. Diamond. 1988. On the risk of extinction. *American Naturalist* 132:757–785.

- Pimm, S. L., J. H. Lawton and J. E. Cohen. 1991. Food webs patterns and their consequences. *Nature* 350:669–674. (A Review article)
- Pimm, S. L. and J. L. Gittleman. 1992. Biodiversity: where is it? *Science* 255:940. (Reprinted in F. B. Samson and F. L. Knopf, *Ecosystem Management, Selected Readings, Springer-Verlag, 1996*).
- Duckworth, W. D. (chairman) and seven others, including S. L. Pimm. 1992. *Scientific Bases for the Preservation of the Hawaiian Crow*. National Academy Press, Washington, D.C. 136 pp.
- Orians, G. H. (chairman) and six others, including S. L. Pimm. 1992. *Report of the Advisory Panel on the Everglades and Endangered Species*. National Audubon Society, New York. 44 pp.
- Luh, H-K and S. L. Pimm. 1993. The assembly of ecological communities: a minimalist approach. *Journal of Animal Ecology* 62:749–765.
- Pimm, S. L., J. Diamond, T. R. Reed, G. J. Russell and J. Verner. 1993. Times to extinction for small populations of large birds. *Proceedings of the National Academy of Sciences (U.S.A.)* 90:10871–10875.
- Pimm, S. L. and A. M. Sugden. 1994. Tropical diversity and global change. *Science* 263:933–934.
- Cairns, John Jr., Hampton L. Carson, Jared M. Diamond, Thomas Eisner, Stephen Jay Gould, Daniel H. Janzen, Jane Lubchenco, Ernst Mayr, Charles D. Michener, Gordon H. Orians, Stuart L. Pimm, Daniel Simberloff, John W. Terborgh and Edward O. Wilson. 1995. Brief of Amici Curiae Scientists, in the Supreme Court of the United States, February 17.
- Pimm, S. L., G. J. Russell, J. L. Gittleman and T. M. Brooks. 1995. The future of biodiversity. *Science* 269:347–350.
- Pimm, S. L. and R. Askins. 1995. Forest losses predict bird extinctions in eastern North America. *Proceedings of the National Academy of Sciences (U.S.A.)* 92:9343–9347.
- Russell, G. J., J. R. Diamond, S. L. Pimm and T. M. Reed. 1995. A century of turnover: community dynamics at three time scales. *Journal of Animal Ecology* 64:628–641. (Winner of the 1995 Charles Elton Prize)
- Pimm, S. L. 1997. The value of everything. *Nature* 387:231–232.
- Brooks, T. M., S. L. Pimm and N. J. Collar. 1997. Deforestation predicts the number of threatened birds in insular southeast Asia. *Conservation Biology* 11:382–384 .
- Lockwood, J. L., R. D. Powell, M. P. Nott and S. L. Pimm. 1997. Assembling ecological communities in time and space. *Oikos* 80:549–553.
- Pimm, S. L. and J. H. Lawton. 1998. Planning for biodiversity. *Science* 279:2068–2069.
- Whyte, I. van Aarde and S. L. Pimm. 1998. Managing the elephants of Kruger National Park. *Animal Conservation* 1:77-83.
- Manne, L. L., S. L. Pimm, J. M. Diamond and T. M. Reed. 1998. The form of the curves: a direct evaluation of MacArthur & Wilson's classic theory. *Journal of Animal Ecology*. 67: 784-794.
- Manne, L. L., T. M. Brooks and S. L. Pimm. 1999. Relative risk of extinction of passerine birds on continents and islands. *Nature* 399: 258-261
- Brooks, T. M., S. L. Pimm, and J. O. Oyugi. 1999. Time Lag between Deforestation and Bird Extinction in Tropical Forest Fragments. *Conservation Biology* 13: 1140-1150
- Brooks, T. M., S. L. Pimm, V. Kapos and C. Ravilious 1999. Threat from deforestation to montane and lowland birds and mammals in insular Southeast Asia. *Journal of Animal Ecology* 68: 1061-1078
- Pimm, S. L. and P. Raven. 2000. Extinction by numbers. *Nature* 403: 843-845.
- Pimm, S. L. and R. J. van Aarde, 2001. Population control: African elephants and contraception. *Nature* 411: 766.
- Pimm, S. L. and 32 others. 2001. Can we defy Nature's end? *Science* 233: 2207-2208.
- Piper, J. K. and S. L. Pimm 2002. The creation of prairie-like communities. *Community Ecology* 3: 205-216.
- G. Sugihara, L-F Bersier, T. R. E. Southwood, S. L. Pimm and R. M. May* Predicted correspondence between species abundances and dendrograms of niche similarities. *Proceedings of the National Academy of Sciences (U.S.A.)* in press.
- G. Ferraz, G. J. Russell, P C. Stouffer, R. O. Bierregaard, S. L. Pimm†, and T. E. Lovejoy. Rates of species loss from Amazonian forest fragments. *Proceedings of the National Academy of Sciences (U.S.A.)* in press.

Books

- Pimm, S. L. 1982. *Food Webs*. Chapman and Hall, London. 219 pp.
- Pimm, S. L. 1991. *The Balance of Nature? Ecological issues in the conservation of species and communities*. University of Chicago Press, Chicago, IL. 434 pp.
- Ehrlich, P. R., D. S. Dobkin and D. Wheye, with species treatments written by S.L. Pimm. 1994. *The Bird Watcher's Handbook: A Field Guide to the Natural History of European Birds*. Oxford University Press, New York.
- Pimm, S. L. 2001. *The World According to Pimm: a Scientist Audits the Earth*. McGraw Hill, New York. 304 pp.
- Pimm, S. L., J.L. Lockwood, C. N. Jenkins, J. L. Curnutt, M. P. Nott, R. D. Powell and O. L. Bass, Jr. 2002. *Sparrow in the grass*. Printed privately, 182 pp.
- Pimm, S. L. 2003. *Food Webs (with a new Forward)*. University of Chicago Press, Chicago IL.

Congressional testimony and related policy activities

- Senate: Committee on the Environment; the re-authorization of the Endangered Species Act; July 13th 1995.
- House: Committee on Resources; the re-authorization of the Endangered Species Act; September 20th 1995.
- Senate: Subcommittee on Fisheries, Wildlife, and Drinking Water; Habitat Conservation Plants; July 20th 1999.

Briefings:

- Interior Secretary Bruce Babbitt, 27 April 1998, on Endangered Species in the Florida Everglades (Pimm only). Interior Secretary Bruce Babbitt, 1st May 1998, on The Role of Habitat Conservation Plans and the Endangered Species Act (Pimm and six others).
- Interior Secretary Bruce Babbitt, 22 February 1999, on the Florida Everglades (Pimm and eight others). Council on Environmental Quality (White House), July 1998 (Pimm only). "On the Hill." Visits to senators and representatives on the Save America's Forest Bill (sponsored by Senator Toricelli and others, S 977) on several occasions in May 1998, February 1999, October 2001; with E. O. Wilson and others.
- Congressional aides (two day meetings on biodiversity and human health, organized by Harvard Medical School's Center for Global Change and the Environment). Airlie House April 1999, 2000, and 2001.
- House briefing on global change and biodiversity, June 1999.
- Deforestation, biodiversity loss, bushmeat, and AIDS. February 19th, 2002. (Eric Chivian, Stuart Pimm, Jane Goodall, Robert Engleman, Beatrice Hahn.)

RESEARCH SERVICES*Editorial*

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| 1. Editorial Board, <i>Evolutionary Ecology Research</i> | 3. Editorial Board, <i>Researches in Population Biology</i> |
| 2. Advisory Board, <i>Oikos</i> | 4. Advisory Board, <i>Animal Conservation</i> |

National and International Committees

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| 1. Scientific Advisory Board, Center for Conservation Biology, Stanford University | 5. National Geographic Society Committee on Research and Exploration |
| 2. International Union for the Conservation of Nature: Species Survival Commission | 6. National Geographic Society Conservation Trust |
| 3. Board, Union of Concerned Scientists | 7. National Research Council, Board on Life Sciences |
| 4. Science Advisory Board, Environmental Defense Fund. | |

Past service

1. Board of Reviewing Editors, *Science* 1991-2002.
2. Editorial board, *Journal of Animal Ecology*, 1990–1997
3. Editorial board, *Journal of Theoretical Biology*
4. Editorial Board, *Oecologia* 1990 -1997
5. National Research Council Committee on biodiversity
(Peter Raven, Chairman)
6. National Research Council Committee on the restoration of the 'Alala
(Donald Duckworth, Chairman)
7. National Audubon Society Advisory Committee of the Management of the Florida Everglades
(Gordon Orians, Chairman)
8. U. S. Fish and Wildlife Service, Pacific Island Bird Recovery Coordinating Committee
9. Committee of the Japanese Prize for Biology
10. American Institute of Biological Sciences, Task Force for the 1990s
11. Hawai'i Conservation Biology Initiative
12. National Research Council program committee on biodiversity
(Peter Raven and Ed Wilson, Chairmen)
13. National Research Council Committee on the value of biodiversity
(Diana Freckman, Chairman),
14. 5-year review of Smithsonian Institution/INPA Dynamics of Forest Fragmentation Project,
Manaus, Brazil
15. National Academy of Sciences: National Research Council Committee on the marine protected areas
(Ed Houde, Chairman)
16. Editorial Board, *Conservation Biology*
17. Review committee graduate programmes of Organization of Tropical Studies
18. Heinz Award Committee 2001