

CURRICULUM VITAE

ROBERT BOYD

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Education:

1970 B.A. in Physics with high honors, University of California at San Diego.

1975 Ph.D. in Ecology, University of California at Davis

Employment:

June 2011–June 2014 Cowan Professor, Santa Fe Institute

August 2012–present, Origins Professor, School of Human Evolution and Social Change,
Arizona State University, Phoenix

July 2009–July 2012 Distinguished Professor, Department of Anthropology, University of
California, Los Angeles.

July 1989–July 2009: Professor, Department of Anthropology, University of California, Los
Angeles.

July 1988–June 1989: Associate Professor, Department of Anthropology, University of
California, Los Angeles.

July 1986–June 1988: Assistant Professor, Department of Anthropology, University of
California, Los Angeles.

September 1984–July 1986: Assistant Professor, Department of Anthropology, Emory University.

September 1980–August 1984: Assistant Professor, School of Forestry and Environmental Studies, Duke University (on leave 1981-1982).

June 1981–June 1982: National Science Foundation postdoctoral fellow, Department of Biology, University of Chicago.

September 1978–August 1980: Assistant Research Ecologist, Institute of Ecology, University of California, Davis.

September 1976–September 1978: Special Consultant, California State Energy Commission

December 1975–August 1976: Senior Consultant, California Assembly Committee on Resources, Land Use, and Energy.

Professional Activities:

January 1997-Present: Associate Editor for *Evolution and Human Behavior*

January 2008-Jan 2011: *Board Member, Proceedings of the Royal Society, Series B*

March 1997-2008: Co-director, MacArthur Foundation Preferences Project.

September 1988- Present: Member of editorial board of *Quantitative Anthropology*

November 1989-Present: Associate Editor for *Journal of Economic Behavior and Organization*

June 1987- Present: Member of the editorial board of University of California Publications in Anthropology

November 1980-June 1982: Book review editor, *Human Ecology* (with Joan B. Silk).

Awards and Honors:

2005–06 Leverhulme Visiting Professor, University of Cambridge

2001–02 Invited fellow at the Wissenschaftskolleg zu Berlin

1991–92 Invited fellow at the Zentrum für interdisziplinäre Forschung, University of Bielefeld

- 1988–89 John Simon Guggenheim Fellowship
- 1989 J. I. Staley Prize for *Culture and the Evolutionary Process*.
- 1981–82 NSF Postdoctoral Fellowship, University of Chicago
- 1968–70 Regents Scholarship, UCSD

Publications:

Books

- R. McElreath and R. Boyd, 2007. *Mathematical Models of Social Evolution: A guide for the perplexed*, University of Chicago Press, Chicago.
- P. J. Richerson and R. Boyd, 2005, *Not by Genes Alone: How culture transformed human evolution*, University of Chicago Press, Chicago, IL. (Translated into Korean and Italian)
- R. Boyd, and P. J. Richerson, 2005. *The Origin and Evolution of Cultures*, Oxford University Press, New York
- J. Henrich, R. Boyd, S. Bowles, C. Camerer, E. Fehr, & H. Gintis. 2004. *The Foundations of Human Sociality: Economic experiments and ethnographic evidence from fifteen small-scale societies*, Oxford University Press, New York
- H. Gintis, S. Bowles, E. Fehr, & R. Boyd 2004. *Moral Sentiments and Material Interests: The foundations of cooperation in economic life*, MIT Press Cambridge
- R. Boyd and J. B. Silk, 1997, *How Humans Evolved*, W. W. Norton, Co. NY. (6th edition will be published early 2011)
- R. Boyd, and P. J. Richerson, 1985, *Culture and the Evolutionary Process*, University of Chicago Press, Chicago, IL.

Journal Articles

- M. Kline, R. Boyd, and J. Henrich, Teaching and the Life History of Cultural Transmission in Fijian Villages, *Human Nature*, in press.
- C. Perrault, C. Moya, and R. Boyd, A Bayesian Approach to the Evolution of Social Learning, *Evolution and Human Behavior*, 33:449–459.

- J. Henrich, R. Boyd, and P. J. Richerson, The puzzle of monogamous marriage, *Philosophical Transactions of the Royal Society (B)*, 367: 657–669, 2012.
- R. Boyd, P. J. Richerson, and J. Henrich. The cultural niche: Why social learning is essential for human adaptation, *Proceedings of the National Academy of Sciences (USA)* 108: 10918–10925, 2011
- Mathew, S. and R. Boyd. Punishment sustains large-scale cooperation in prestate warfare. *Proceedings of the National Academy of Sciences (USA)* 108: 11375–11380, 2011.
- Boyd, R., P. J. Richerson, and J. Henrich. Rapid cultural adaptation can facilitate the evolution of large-scale cooperation, *Behavioral Ecology and Sociobiology*, 65, 431–444, 2011.
- Boyd, R. and P. J. Richerson, Transmission coupling mechanisms: cultural group selection. *Philosophical Transactions of the Royal Society (B)*, 365, 3787–3795, 2010.
- Kline, M. and R. Boyd, Population size predicts technological complexity in Oceania, *Proceedings of the Royal Society (B)*, 277, 2559–2564, 2010.
- Richerson, P. J., R. Boyd, and J. Henrich, Gene-culture coevolution in the age of genomics, *Proceedings of the National Academy of Sciences (USA)*. 107, 8985–8992, 2010.
- Boyd, R., H. Gintis, and S. Bowles, Coordinated punishment of defectors sustains cooperation and can proliferate when rare, *Science*, 328, 617–620, 2010.
- Rendell, L., R. Boyd, D. Cownden, M. Enquist, K. Eriksson, M. W. Feldman, L. Fogarty, S. Ghirlanda, T. Lillicrap, and K. N. Laland, Why copy others? Insights from the social learning strategies tournament, *Science*, 328, 208–213, 2010.
- R. Boyd and P. J. Richerson, Culture and the evolution of human cooperation, *Philosophical Transactions of the Royal Society (B)*, 364:3281–3288, 2009.
- Richerson, P. J., R. Boyd, and R.L. Bettinger, Cultural Innovations and Demographic Change, *Human Biology*, 81, 211–235, 2009.
- Mathew, S. and R. Boyd. When does optional participation allow the evolution of cooperation? *Proceedings of the Royal Society (B)*. 276:1167–1174, 2009.
- Boyd, R. and P. J. Richerson, Voting with your feet: Payoff biased migration and the evolution of group beneficial behavior, *Journal of Theoretical Biology*, 257: 331–339, 2009.

- J. Henrich and R. Boyd, Division of Labor, Economic Specialization and the Evolution of Social Stratification, *Current Anthropology*, 49: 715–724, 2008.
- J. Henrich, R. Boyd, and P. J. Richerson. Five Misunderstandings about Cultural Evolution. *Human Nature*, 19: 119–137, 2008.
- S. Le and R. Boyd, Evolutionary Dynamics of the Continuous Iterated Prisoner's Dilemma, *Journal of Theoretical Biology*, Volume 245, 258–267, 2007.
- J. Henrich, R. Boyd, S. Bowles, C. Camerer, E. Fehr, H. Gintis, R. McElreath, M. Alvard, A. Barr, J. Ensminger, K. Hill, F. Gil-White, M. Gurven, F. Marlowe, J. Q. Patton, N. Smith, and D. Tracer, 'Economic Man' in Cross-cultural Perspective: Behavioral Experiments in 15 Small-scale Societies, *Behavioral and Brain Sciences*, 28: 795–855, 2005
- K. Panchanathan and R. Boyd. Indirect reciprocity can stabilize cooperation without the second-order free rider problem. *Nature* 432: 499–502, 2004.
- H. Gintis, S. Bowles, R. Boyd, & E. Fehr, Explaining Altruistic Behavior in Humans, *Evolution and Human Behavior*, 24: 153–172, 2003
- R. McElreath, R. Boyd and P. J. Richerson. Shared Norms Can Lead to the Evolution of Ethnic Markers. *Current Anthropology*, 44: 122–130, 2003.
- K. Panchanathan and R. Boyd. A Tale of Two Defectors: The Importance of Standing for the Evolution of Indirect Reciprocity. *Journal of Theoretical Biology*, 224:115–126, 2003.
- R. Boyd, H. Gintis, S. Bowles, and P. J. Richerson. The Evolution of Altruistic Punishment. *Proceedings of the National Academy of Sciences (USA)* 100: 3531–3535, 2003.
- J. Henrich and R. Boyd, On Modeling Cognition and Culture: Why cultural evolution does not require replication of representations, *The Journal of Cognition and Culture*, 2: 87–112, 2002.
- R. Boyd and P. J. Richerson, Group Beneficial Norms Spread Rapidly in a Structured Population, *Journal of Theoretical Biology*, 215: 287–296, 2002.
- P. J. Richerson and R. Boyd. Built for Speed, Not for Comfort, Darwinian Theory and Human Culture, *History and Philosophy of the Life Sciences*, 23: 425–465, 2001.

- J. Henrich, R. Boyd, S. Bowles, C. Camerer E. Fehr, H. Gintis, and R. McElreath Cooperation, Reciprocity and Punishment in Fifteen Small-scale Societies, *American Economic Review*, 91: 73–78, 2001
- P. J. Richerson, R. Boyd, and R. L. Bettinger Was Agriculture Impossible During the Pleistocene but Mandatory during the Holocene? A Climate Change Hypothesis, *American Antiquity* 66: 387–411, 2001
- Henrich and R. Boyd. Why people punish defectors: Weak conformist transmission can stabilize costly enforcement of norms in cooperative dilemmas. *Journal of Theoretical Biology*, 208: 79–89. 2001.
- J. B. Silk, E. Kaldor, and R. Boyd, Cheap Talk When there are Conflict of Interest. *Animal Behaviour*, 59: 423–432, 2000.
- P. J Richerson and R. Boyd. The Evolutionary Dynamics of a Crude Super Organism. *Human Nature*. 10: 253–289, 1999.
- P. J. Richerson and R. Boyd. Homage to Malthus, Ricardo, and Boserup: Toward a General Theory of Population, Economic Growth, Environmental Deterioration, Wealth, and Poverty. *Human Ecology Review*, 4: 83–88, 1998.
- J. Henrich and R. Boyd. The Evolution of Conformist Transmission and the Emergence of Between-Group Differences. *Evolution and Human Behavior* 19: 215–242, 1998.
- P. J. Richerson and R. Boyd, Built for Speed, Not for Comfort, Darwinian Theory and Human Culture. *Philosophica*, 60: 13–43, 1997.
- R. Boyd and P. J. Richerson, Why culture is common, but cultural evolution is rare, *Proceedings of the British Academy*, 88: 77–93, 1996.
- J. Soltis, R. Boyd, and P.J. Richerson, Can group functional behaviors evolve by cultural group selection? An empirical test. *Current Anthropology*. 36: 473–494, 1995.
- R. Boyd and P.J. Richerson. Why does culture increase human adaptability? *Ethology and Sociobiology*. 16: 125–143, 1995.
- R. Boyd and P.J. Richerson, The Evolution of Norms, An Anthropological View. the *Journal of Institutional and Theoretical Economics*, 150: 72–87, 1994.

R. Boyd and P. J. Richerson. Punishment allows the evolution of cooperation (or anything else) in sizable groups. *Ethology and Sociobiology*, 13: 171–195, 1992.

Richerson, Peter J. and Robert Boyd. Fets per la Velocitat, No Per al Confort: la Teoria Darwiniana i la Cultura Humana. In *Poblacions, Societats i Entorn*, Taula de Disseny, Jordi Perera Garcia, and Josep Pujol Mas (eds). Estudios Insitut D'Humanitats, Club de Barcelona, Barcanova, Barcelona, Spain, pp. 58-101, 1991.

R. Boyd and P. J. Richerson, Group Selection Among Alternative Evolutionarily Stable Strategies. *Journal of Theoretical Biology*, 145: 331–342, 1990.

R. Boyd and P.J. Richerson, The Evolution of Indirect Reciprocity. *Social Networks*, 11:213–236, 1989.

R. Boyd, Mistakes Allow Evolutionary Stability in the Repeated Prisoner's Dilemma Game. *Journal of Theoretical Biology*, 136: 47–56, 1989.

R. Boyd and P.J. Richerson, The Role of Evolved Predispositions in Cultural Evolution. *Ethology and Sociobiology*, 10: 195–219, 1989.

R. Boyd and P.J. Richerson, The Evolution Reciprocity in Sizable Groups. *Journal of Theoretical Biology*, 132: 337–356, 1988.

R. Boyd, Is the Repeated Prisoner's Dilemma Game a Good Model of Reciprocal Altruism? *Ethology and Sociobiology*, 9: 211–221, 1988.

R. Boyd and J. Lorberbaum, No Pure Strategy Is Evolutionarily Stable in the Repeated Prisoner's Dilemma Game. *Nature*. 327: 58–59, 1987.

R. Boyd and P.J. Richerson, The Evolution of Ethnic Markers. *Cultural Anthropology*. 2: 65–79, 1987

P.J. Richerson and R. Boyd, The Natural Selection of Culture. *BioScience*, 34: 430–434, 1984.

R. Boyd and P.J. Richerson, Why is Culture Adaptive? *Quarterly Review of Biology*, 8:209–214, 1983.

R. Boyd and P.J. Richerson, The Cultural Transmission of Acquired Variation: Effects on Genetic Fitness, *Journal of Theoretical Biology*, 100: 567–596, 1983.

- R. Boyd and J. B. Silk, A Method for Assigning Cardinal Indices of Dominance Rank. *Animal Behavior*, 31: 45–58, 1983.
- J.B. Silk and R. Boyd, Female Cooperation, Competition, and Mate choice in Matrilineal Macaque Groups. In: *Female Reproductive Strategies*, S. Wasser (ed.), Academic Press, pp. 315–347, 1983.
- R. Boyd, Density Dependent Mortality and the Evolution of Social Behavior. *Animal Behavior*. 30: 972–982, 1982.
- R. Boyd and P.J. Richerson, Cultural Inheritance and the Evolution of Cooperative behavior. *Human Ecology*, 10: 325–352, 1982.
- R. Boyd, and P.J. Richerson, Effect of Phenotypic Variation on Kin Selection. *Proceedings of the National Academy of Sciences U.S.A.* 77: 7506–7509, 1980.
- R. Boyd, and P.J. Richerson, Sociobiology, Culture, and Economic Theory. *Journal of Economic Behavior and Organization*. 1: 97–121, 1980.
- R. Boyd, and R. Thompson, The Effects of Uncertainty on the Relative Economics of Electrical Generation Technologies with Differing Lead Times. *Energy Systems and Policy* 4: 9–124, 1980.
- R. T. Laird, J. B. Perkins, D. A. Bainbridge, J. B. Baker, R. T. Boyd, D. Huntsman, P. E. Staub, and M. Zucker, Quantitative Land Capability Analysis--A Method of Applying Earth Science Information to Planning and Decision Making. United States Geological Survey Professional Paper No. 945, contributing author.
- P. J. Richerson, and R. Boyd, A Dual Inheritance Model of the Human Evolutionary Process. *Journal of Social and Biological Structures* 1: 127–154, 1978.
- P. J. Richerson, and R. Boyd, A Simple Dual Inheritance Model of the Conflict Between Social and Biological Evolution. *Zygon* 11: 254–262, 1976.
- R. Boyd, World Dynamics: A Note. *Science* 177: 516–519, 1972.

Book Chapters

- P. Hammerstein and R. Boyd, Learning, Cognitive Limitations and the Modeling of Social Behavior, *Evolution and the Mechanisms of Decision Making*, P. Hammerstein and J. Stevens, eds. MIT Press, Cambridge MA, 2012.

- T. Bugnyar, R. Boyd, B. Bossan, S. Gächter, T. Griffiths, P. Hammerstein, K. Jensen, T. Mussweiler, R. Nagel, and F. Warneken, *Evolutionary Perspectives on Social Cognition, Evolution and the Mechanisms of Decision Making*, P. Hammerstein and J. Stevens, eds. MIT Press, Cambridge MA, 2012.
- P. J. Richerson and R. Boyd, Cultural Evolution, Accomplishments and Prospects, In: *Explaining Culture Scientifically*, Melissa Brown, ed., University of Washington Press, Seattle, 2008.
- P. J. Richerson and R. Boyd, The Evolution of Free Enterprise values. In *Moral Markets: The Critical Role of Values in the Economy*, edited by Paul Zak. Princeton University Press. Pp. 107-141. 2008.
- R. McElreath, R. Boyd, G. Gigerenzer, A. Glockner, P. Hammerstein, R. Kurzban, S. Magen, P. J. Richerson, A. Robson, and J. R. Stevens. Individual Decision Making and the Evolutionary Roots of Institutions, In: *Better than Conscious? Decision Making, the Human Mind, and Implications for Institutions*. C. Engel and W. Singer eds, MIT Press, Cambridge. Pp 305-324, 2008.
- R. Boyd and P. J. Richerson. Gene-Culture Coevolution and the Evolution of Social Institutions, In: *Better than Conscious? Decision Making, the Human Mind, and Implications for Institutions*. C. Engel and W. Singer eds, MIT Press, Cambridge. Pp 305-324, 2008.
- R. Boyd and P. J. Richerson, Cultural Adaptation and Maladaptation: Of kayaks and commissars. *Evolution of Mind, Fundamental Questions and Controversies*, S. Gangestad and J. Simpson, eds. Guilford Press, NY, 2007, pp 327–321.
- R. Boyd and P. J. Richerson, Group selection: A tale of two controversies, *Evolution of Mind, Fundamental Questions and Controversies*, S. Gangestad and J. Simpson, eds. Guilford Press, NY, 2007, pp 221–225.
- L. Newson, P. J. Richerson and R. Boyd. Cultural evolution and the shaping of cultural diversity. *Handbook of Culture Psychology*, Dov Cohen and Shinobu Kitayama, editors, New York, Guilford Press. 2007. pp 454-476.
- B. Paciotti, P. J. Richerson, and R. Boyd. Cultural Evolutionary Theory: A Synthetic Theory for Fragmented Disciplines, In *Bridging Social Psychology: The Benefits of Transdisciplinary Approaches*, Paul Van Lange, Editor. 2006, Pp 365-70..
- R. Boyd and P. J. Richerson. Culture and the evolution of the human social instincts. In: *Roots of Human Sociality: Culture, Cognition, and Interaction*. Edited by N.J. Enfield and Stephen C. Levinson. Berg. Pp. 453-477. 2006.
- P. J. Richerson, R. Boyd and R. L. Bettinger. 2005. Evolution on a Restless Planet: Were Environmental Variability and Environmental Change Major Drivers of Human Evolution? *Handbook of Evolution Vol. 2* edited by Franz M. Wuketits and Francisco J. Ayala. Pp. 223-242.
- R. Boyd and P. J. Richerson. Solving the Puzzle of Human Cooperation, In: *Evolution and Culture*, S. Levinson ed. MIT Press, Cambridge MA, 2005, pp 105–132.

- R. Boyd and P. J. Richerson. Culture, Adaptation, and Innateness. In: *The Innate Mind: Culture and Cognition*, P. Carruthers, S. Laurence & S. Stich, eds., 2004, Oxford University Press, pp 23–38.
- P. J. Richerson, R. Boyd, and J. Henrich. The Cultural Evolution of Human Cooperation. *The Genetic and Cultural Evolution of Cooperation*, P. Hammerstein ed. MIT Press, Cambridge MA, 2003, pp 357–388
- P. J. Richerson, R. Boyd and B. Paciotti. An Evolutionary Theory of Commons Management, *The Drama of the Commons*. Elinor Ostrom, Thomas Dietz, Nives Dolsak, Paul C. Stern, Susan Stonich, and Elke U. Weber, Eds., National Academy Press, Washington, D.C. 2002. Pp 413–413.
- P. J. Richerson and R. Boyd. The Biology Commitment to Groups: A Tribal Instincts Hypothesis, R.M. Nesse ed. *Evolution and the Capacity for Commitment*, Russell Sage Foundation, NY, 2001.
- R. Boyd and P. J. Richerson. Norms and Bounded Rationality. In: *The Adaptive Tool Box*, G. Gigerenzer and R. Selten eds., pp 281–296, MIT press, Cambridge MA, 2000.
- R. Boyd and P. J. Richerson. Memes: Universal Acid or a Better Mouse Trap? In: *Darwinizing Culture: The Status of Memetics as a Science*. R. Aunger, ed. Oxford University Press, Oxford, 2000, Pp. 143–162.
- P. J. Richerson and R. Boyd. Climate, Culture, and the Evolution of Cognition. In: *The Evolution of Cognition*. Celia Hayes and Ludwig Huber, eds. MIT Press, Cambridge MA, 2000.
- P. J. Richerson and R. Boyd. The Pleistocene and the Origins of Human Culture: Built for Speed. *Perspectives in Ethology. Volume 13*. Nicholas S. Thompson and Francois Tonneau, eds. Kluwer Academic/Plenum Publishers, New York. 2000, pp. 1–45.
- P. J. Richerson and R. Boyd. The Evolution of Human Ultra-Sociality, *Indoctrinability, Ideology, and Warfare: Evolutionary Perspectives*, I. Eibl-Eibesfeldt and F. Salter, eds. Berghahn Books, NY. 1998, Pp. 71–96.
- P. J. Richerson and R. Boyd. Empirical Studies, In: *Human by Nature, Between Biology and the Social Sciences*, P. Weingart, P.J. Richerson, S.D.Mitchell, and S. Maasen, eds. Lawrence Erlbaum Associates: Mahwah, NJ, 1997. Pp. 342–353.
- P. J. Richerson and R. Boyd. Types of Transmission: A Taxonomy of Cultural Inheritance Systems. In: *Human by Nature, Between Biology and the Social Sciences*, P. Weingart, P.J. Richerson, S.D.Mitchell, and S. Maasen, eds. Lawrence Erlbaum Associates: Mahwah, NJ, 1997. Pp. 313–325.
- R. Boyd, P.J. Richerson, M. Borgerhoff-Mulder, and W. H. Durham. Are Cultural Phylogenies Possible? In: *Human by Nature, Between Biology and the Social Sciences*, P. Weingart, P.J. Richerson, S.D.Mitchell, and S. Maasen, eds. Lawrence Erlbaum Associates: Mahwah, NJ, 1997. Pp. 355–386.
- Bettinger, R. Boyd, & P. J. Richerson, Style, Function, and Cultural Evolutionary Processes, In: *Darwinian Archaeologies*, H. Maschner, ed. Plenum Press, NY. 1997. pp. 133–160.

- Boyd and P. J. Richerson, Life in the Fast Lane: Rapid Adaptation and the Human Evolutionary Process. *The Evolution of the Human Brain*, Oxford University Press, Oxford. 1996
- K. Laland, P. J. Richerson, and R. Boyd. Developing a theory of animal social learning, In: *Social Learning in Animals, The roots of culture*. C. M. Heyes and B. G. Galef, eds. Academic Press, NY, pp. 129–151, 1996.
- R. Boyd and P. J. Richerson, Rationality, Imitation, and Tradition. In: *Nonlinear Dynamics & Evolutionary Economics*, R. Day and P. Chen, eds., Oxford University Press, New York. pp. 131-149, 1993.
- K. N. Laland, P. J. Richerson, and R. Boyd. Animal Social Learning: Towards a New Theoretical Approach. *Perspectives in Ethology*, Volume 10: Behavior and Evolution. P. P. G. Bateson ed. Plenum Press, NY, pp. 249–277, 1993.
- R. Boyd and P. J. Richerson. Culture and Human Evolution. In: *The Origin and Evolution of Humans and Humanness*, D. T. Rasmussen, ed., Jones and Bartlett, Portola Valley. pp.119–134, 1993.
- P. J. Richerson and R. Boyd. Cultural inheritance and evolutionary ecology. In: *Ecology, Evolution and Human Behavior* E. A. Smith and B. Winterhalder eds. Aldine de Gruyter, NY, 1992.
- R. Boyd and P. J. Richerson, How Microevolutionary Processes Give Rise to History. In: *Evolution and History*, M. Niteki ed., Chicago: University of Chicago Press, 1992.
- R. Boyd. The Evolution of Reciprocity when Conditions Vary. In: *Coalitions in Humans and Other Animals*, F. Dewaal & A. H. Harcourt, eds. Oxford University Press. pp. 473–492, 1992.
- R. Boyd and P. J. Richerson, Culture and Cooperation. In: *Against Self Interest*, Jane Mansbridge, ed. Chicago: University of Chicago Press, Chicago, pp. 111–132, 1990.
- E. A. Smith and R. Boyd, Risk and Reciprocity: Hunter-gatherer Socioecology and the Problem of Collective Action. In: *Risk and Uncertainty in Tribal and Peasant Economies*, Elizabeth Cashdan, ed. Westview, Boulder, CO, pp. 167–192, 1989.
- P.J. Richerson and R. Boyd, A Darwinian Theory for the Evolution of Symbolic Cultural Traits. In: *The Relevance of Culture*, M. Freilich ed., Bergin and Garvey, Boston. pp. 120–142, 1989.
- R. Boyd and P.J. Richerson, Social Learning as an Adaptation. In: *Lectures on Mathematics in the Life Sciences*, 20:1–26, 1989.
- R. Boyd and P.J. Richerson, An Evolutionary Model of Social Learning: The Effects of Spatial and Temporal Variation. In: *Social Learning: A Psychological and Biological Approaches*, T. Zentall and B. G. Galef, eds., Lawrence Erlbaum Assoc., Hillsdale, NJ. pp 29–48, 1988.
- P.J. Richerson and R. Boyd, Simple Models of Complex Phenomena: The Case of Cultural Evolution. In: *The Latest on the Best: Essays on Evolution and Optimality*, J. Dupre, ed., MIT Press, Cambridge, MA. pp 27–52, 1987.

R. Boyd and P.J. Richerson, Culture, Biology, and the Evolution of Variation Between Human Groups. In: *Science and the Question of Human Equality*, M. Collins, I. Wainer, and T. Bremner (eds.), Westview Press, Boulder CO, 1981.

Reviews and Comments

R. Boyd. Review of *Reading and the Brain* by Stanislas Dehaene, *PLoS Biology*, 8:1–2, 2010.

R. Boyd, Does an evolutionary perspective help understand environmental degradation? *Trends in Ecology and Evolution*, 24: 72, 2009

P. J. Richerson and R. Boyd, Migration: An Engine for Social Improvement, *Nature*, 456: 18, 2008

R. Boyd and S. Mathew. A Narrow Road to Cooperation, *Science*, 316: 1858-1859, 2007.

R. Boyd. The puzzle of human sociality, *Science*, 314: 1553, 2006.

R. Boyd. Reciprocity: You have to think different. *Journal of Evolutionary Biology*, 19: 1380–1382, 2006.

R. Boyd and P. J. Richerson. Meme theory oversimplifies cultural change. *Scientific American*. 283: 70–71, 2000.

R. Boyd, Optimal *Foraging Theory*, A review of *Foraging Theory*, by D. Stephens and J. Krebs, *American Journal of Primatology*, 18:109–111, 1989.

P. J. Richerson and R. Boyd, Comments on "Darwinian Selection, Symbolic Variation, and the Evolution of Culture", by David Rindos, *Current Anthropology*. 26: 83, 1985.

R. Boyd, A review of *Evolution from Molecules to Men*, J. S. Bendall, ed. *Quarterly Review of Biology*, 59: 468, 1984.

R. Boyd, A review of *The Genetics of Altruism*, by S. Boorman and P. Levitt, *Journal of Social and Biological Structures*. 7: 81–92, 1984.

P.J. Richerson, and R. Boyd, Evolutionary Models of Culture and the "Meaning" Sense of Information, Who Is Confused About What? (Comment on paper by A. J. Fedanzo) *Journal of Social and Biological Structures* 6: 139–141, 1983.

P.J. Richerson and R. Boyd, The Search for an Alternative to Sociobiological Hypotheses of Human Evolution (comment). *Brain and Behavioral Sciences*, 4: 248–249.

R. Boyd, A review of Programmed to Learn, by H.R. Pulliam and C. Dunford, *Human Ecology* 9: 388–390, 1981.

P.J. Richerson and R. Boyd, A review of *Cultural Transmission and Evolution*, by L.L. Cavalli-Sforza and M.W. Feldman. *BioScience* 31: 164, 1981.

P.J. Richerson and R. Boyd, The Evolutionary Ecology of Humans: Two Approaches. *American Psychological Association, Division of Community Psychology Newsletter*,

13: 17–18, 1980.

P.J. Richerson and R. Boyd, A review of *Cultural Materialism*, by M. Harris. *Human Ecology* 8: 171–175, 1980.

P.J. Richerson and R. Boyd, A review of *Evolutionary Biology and Human Social Behavior*, N. Chagnon and W. Irons (eds.). *Human Ecology* 8: 68–73, 1980.

Invited Presentations (2005-2011)

Models of Cultural Evolution, Eight lectures at Instituto Nacional de Antropología e Historia, Mexico DF, October 2012.

The Evolution of Normative Monogamy, Invited plenary lecture, Human Behavior and Evolution Society, June 2012.

The Puzzles of Human Cooperation, Institute for Advanced Study, Princeton, May 9, 2012.

Culture and Human Adaptation, Department of Cognitive Science, UC Berkeley, February 12, 2012.

The Cultural Niche, Hamden Sydney College, April 11, 2011.

The Cultural Niche, National Academy of Sciences Sackler Symposium In the Light of Evolution, IV, UC Irvine January 2011.

The Cultural Niche, Santa Fe Institute, August 2010

Culture as an Evolutionary Phenomenon. Department of Anthropology, London School of Economics, May 24, 2010.

Coordinated Contingent Punishment is Group-Beneficial and Can Proliferate When Rare, Conference on Public Goods: from Ecology to Economics, UC Irvine, January 22-24, 2010

Population Size Predicts Technological Complexity in Oceania, Santa Fe Institute, Santa Fe NM, January 8-10, 2010

Group Selection: A tale of two controversies, Conference on Cooperation: Self Interest and Mutual Interest, Cornell University, October 16, 2009

Coordinated Contingent Punishment is Group-Beneficial and Can Proliferate When Rare, Conference on models of cooperation held at International Institute for Applied Systems Analysis, Laxenburg, Austria, September 15-18, 2009

Social Evolution: Progress and Problems, One of four plenary talks at the Conference on Mathematical Biology, Bristol England, September 3-4, 2009

Panel Discussion with E.O. Wilson and Sarah Hrdy on evolution of human cooperation, World Festival of Science, NYU, June 12, 2009

Human Societies as Ecosystems: Culture and the Evolution of Social Differentiation, Center for the Philosophy of Science, University of Pittsburgh, April 17, 2009

Culture as an Evolutionary Phenomenon, Symposium on Origins, ASU, Tempe AZ, April 3-5, 2009

Evolution of social stratification, Santa Fe Institute, Santa Fe NM, February 13-15, 2009

Culture and the evolution of tribal scale cooperation, Royal Society Symposium on the Evolution of Society, London, January 19-20, 2009

Cultural Group Selection, Centre for the Evolution of Cultural Diversity workshop, Great Missenden, UK, December 11-12, 2008

Explaining the Evolution of Human Cooperation, Conference on Biological origins of human group behavior, CalTech November 18, 2008

Culture as an Evolutionary Phenomenon, Wenner Gren conference, Stockholm, November 5-7, 2008

Four lectures on culture and human evolution, Arizona State University, Tempe, October 20-22, 2008

Models of Human Cooperation, Marschak Colloquium, UCLA, September 20, 2008

Evolution of moral systems, Culture and the Mind conference, University of Sheffield, March 21-22, 2008

Culture as an Evolutionary Phenomenon, Göttinger Freilandtage, Primate behavior and human universals, December 11-14, 2007

Evolution of Economic Man, Summer course on the biology of social cognition, University of Oxford, July 22-29, 2007

The evolutionary psychology of imitation, UCSD Project for Explaining Origin of Humans symposium, March 9-10, 2007

Three ways to stabilize punishment, Conference on the Evolution of Punishment, Mathematical Behavioral Sciences, UCI, February 9-11, 2007

Culture, ethnicity and the evolution of primordialism, IGERT Program on Evolutionary Modeling, University of Washington and Washington State University (by teleconference), January 31-February 2, 2007

Ethnicity and the Evolution of the Tribal Social Instincts, MPI for Psycholinguistics colloquium, Nijmegen, May 15-18, 2006

Is reciprocity sufficient to explain cooperation? University College London, Centre for Evolution and Ecology May 10, 2006

Thinking about groups: Theory and experiments, Department of Biology colloquium, University of St. Andrews, May 3, 2006

Four lectures on Culture as an Evolutionary Phenomenon, School of Cognitive Sciences, École Normale Supérieure, Paris, March 14-April 2, 2006

Is reciprocity sufficient to explain cooperation, Workshop on Human Cooperation, University of Lausanne, March 8-12, 2006

Economic Experiments in 15 Small Scale Societies, Research Seminar on Anthropological Theory, LSE, February 17, 2006

Human cooperation: reciprocity or culture? MPI Evolutionary Anthropology, Leipzig, February 9, 2006

Six Leverhulme Lectures on Culture, Evolution, and Cooperation, Leverhulme Centre for Human Evolution Studies, University of Cambridge, January 31-March 7, 2006

Modeling Cultural Evolution, Cultural Evolution Workshop, Washington University St. Louis, January 13-15, 2006

How Culture Transformed Human Evolution, Distinguished Lecture in Anthropology, American Museum of Natural History, December 14, 2005

Cultural Evolution: Important things we don't know, Plenary talk at AHRC Centre for Evolutionary Analysis of Cultural Behavior conference Pattern and Process in Cultural Evolution, UCL, September 14, 2005

Economic Experiments in 15 Small Scale Societies, Department of Psychology colloquium, UCSD, April 14, 2005

Culture, Adaptation, and Innateness, Culture and the Mind workshop, University of Sheffield, February 4-6, 2005

Culture and Cognition: Two puzzles and one answer, Invited talk at workshop on Evolution and Innateness, London, January 2005.