

Date: October 10, 2014

***CURRICULUM VITAE***

**Christopher Boehm**

**EDUCATION**

B. A.	Antioch College, philosophy	1959
M. A.	Harvard University, social anthropology	1970
PH. D.	Harvard University, social anthropology	1972

**EMPLOYMENT**

2011 ---	Director, the Goodall Research Center, and Professor of Biological Sciences and Anthropology, University of Southern California.
2003-2011	Director, the Goodall Research Center, and Professor of Anthropology and Biological Sciences, University of Southern California.
1992-2003	Director, the Goodall Research Center, and Professor of Anthropology, Department of Anthropology, University of Southern California.
1991-1992	Visiting Professorship in Anthropology and Acting Director of Research, the Goodall Research Center, Department of Anthropology, University of Southern California.

Christopher Boehm

- 1984-1991 Professor of Anthropology, Department of Anthropology, Philosophy and Sociology, Northern Kentucky University.
- 1982-1984 Professor and Chair, Department of Anthropology, Philosophy and Sociology, Northern Kentucky University.
- 1978-1982 Associate Professor and Chair, Department of Anthropology, Philosophy and Sociology, Northern Kentucky University.  
[Tenure granted September, 1978]
- 1974-1978 Assistant Professor of Anthropology, Northwestern University.
- 1972-1974 Assistant Professor of Anthropology, Sarah Lawrence College.
- 1971-1972 Lecturer in Anthropology, M.I.T.
- 1970-1971 Part-Time Lecturer in Anthropology, M.I.T.
- 1968-1969 Teaching Fellow, Harvard University.
- 1961-1963 Sophomore Tutor, Harvard University.
- 1961 Interviewer, Bert Kaplan Project for Crosscultural Study of Mental Illness, Navajo Reservation.

## **THEORETICAL AND RESEARCH INTERESTS**

### ***Theoretical Interests:***

- Social selection and evolution of altruism in hunter-gatherers
- Comparative study of human and nonhuman primate social behavior
- Moral evolution, conscience origins, supernatural sanctions
- Egalitarian politics among hunter-gatherers
- Feuding and warfare

**Research Areas:**

**Evolutionary Studies:** moral evolution; altruism, social selection; evolution of political behavior in apes and humans; rational decisions in evolutionary process.

**Political Anthropology:** egalitarianism, conflict resolution; tribal decision behavior, feuding, tribal warfare.

**Field Research:**

Navajo Reservation: Research with medicine men, 3 months.

Montenegro, Yugoslavia: Research on Serbian ethical values, Upper Moracha Tribe, 3 years.

Gombe National Park, Tanzania: Research on chimpanzee conflict resolution, 16 months.

**Database Development:**

**Hunter-Gatherer Database:** This long-term project involves coding 150 Pleistocene-appropriate foraging societies to create a public database focused on social and political behavior.

**HONORS, FELLOWSHIPS, MAJOR GRANTS, Etc.**

Total external research funding: \$837,000

[For details see MAJOR RESEARCH PROJECTS  
and EXTERNALLY FUNDED RESEARCH]

2012-2014 John Templeton Foundation [Human Uniqueness Program]: three-year research grant to study free-riding behavior in hunter-gatherers.

2011 Invited to join CARTA, The Center for Academic Research and Training in Anthropogeny, funded by the Salk Foundation and located at the University of San Diego. The center's mission is to foster an interdisciplinary approach to explaining human origins.

2003-2005 John Templeton Foundation (IRUL Program): two year research grant to study altruistic behavior in hunter-gatherers. [Grant extended for one year]

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2001-2002 John Simon Guggenheim Memorial Foundation Fellowship to research the natural history of conflict resolution and morality. Academic year, Santa Fe, New Mexico.

2001 Keynote Address for the meeting of the American Academy of Arts and Sciences Conference on Biodiversity, funded by National Science Foundation Biodiversity Program. House of the American Academy of Arts and Sciences, Cambridge, Massachusetts.

2001-2002 Visiting Professor, Berlin Institute for Advanced Study, one year. (Declined)

2001 Distinguished Visiting Professor, University of Western Australia, Institute of Advanced Studies, Perth, two weeks. (Declined)

1999-2000 Weatherhead Fellowship, School of Advanced Research, one-year resident fellowship to begin book on the evolution of morality. Santa Fe, New Mexico.

1998-2001 John Templeton Foundation: three year research grant to study conflict resolution in nonliterate societies. (With David Wilson)

1992 Stirling Prize in Psychological Anthropology, awarded at American Anthropological Association meetings, San Francisco: for target article on egalitarianism published in ***Current Anthropology***.

1987-1989 H. F. Guggenheim Foundation: field study grant to investigate conflict resolution among wild chimpanzees at Gombe National Park, Tanzania.

1984-1985 National Endowment for the Humanities Research Fellowship: academic year to study the evolution of moral behavior.

1982-1983 H. F. Guggenheim Foundation: research grant to study egalitarian behavior.

1982-1983 Visiting Scholar in Anthropology, Harvard University.

1981 National Endowment for the Humanities Summer Research Fellowship.

1975 Northwestern University Summer Fellowship.

1966-1968 NIMH Dissertation Fellowships.

1964-1966 NIMH Research Fellowship (field research).

1963-1964 Ford Foundation Foreign Area Training Fellowship (field research).

1962-1963 Ford Foundation Foreign Area Training Fellowship (area training).

1962 Awarded "Distinction," doctoral oral examination, Harvard University.

1960-1962 Fellow, Harvard University Training Program for Social Scientists.

1959-1960 Harvard University Fellowship in Social Anthropology.

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1959-1960 University of Michigan Ford Foundation Behavioral Science Fellowship.  
(Declined).

## BOOKS

*In preparation* ***The Natural History of Democracy.***

2012 ***Moral Origins: The Evolution of Altruism, Virtue, and Shame.*** New York: Basic Books.

1999 ***Hierarchy in the Forest: The Evolution of Egalitarian Behavior.*** Cambridge: Harvard University Press.

1999 ***Special Issue on Group Selection,*** for the journal ***Human Nature.*** (Guest Editor)

1998 ***Krvna Osveta u Crnoj Gori.*** Podgorica, Montenegro: CID. [1986 revised book translated into Serbian: Serbian title is ***Blood Revenge in Montenegro***]

1986 ***Blood Revenge: The Enactment and Management of Conflict in Montenegro and Other Tribal Societies.*** Philadelphia: University of Pennsylvania Press. [1984 book republished with revisions and new title]

1984 ***Blood Revenge: The Anthropology of Feuding in Montenegro and Other Nonliterate Societies.*** Lawrence: University Press of Kansas.

1983 ***Montenegrin Social Organization and Values: Political Ethnography of a Refuge Area Tribal Adaptation.*** New York: AMS Press.

## ARTICLES, MAJOR BOOK CHAPTERS, etc.

*In Press* The Evolutionary Roots of Human Sociopolitical Systems. ***Current Anthropology.*** (Co-authored with Herbert Gintis and Carel van Shaik.)

*In Press* Evolution of Social Control, to appear in ***Evolutionary Analysis in the Social Sciences,*** Jonathan Turner, Richard Machalek, and Alexandra Maryanski, eds. New York: Paradigm Press.

*In Press* Bullies: Redefining the Human Free-Rider Problem. Chapter for ***Darwin's Bridge: Uniting the Humanities and Sciences.*** Joseph Carroll, ed. Oxford University Press.

2014 The Moral Consequences of Social Selection. ***Behaviour*** 171:167-183.

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2014 The Moral Consequences of Social Selection. In, ***Evolved Morality: The Biology and Philosophy of Human Conscience***, Frans de Waal, Patricia Smith Churchland, Telmo Pievani, Stefano Parmigiani, eds. Leiden: Brill. (***Behaviour*** articles republished in book form)

2014 Defining the Evolutionary Conscience. In, ***Understanding Moral Sentiments: Darwinian Perspectives?*** Hilary Putnam, Susan Neiman, and Jeffrey P. Schloss, eds. Transaction Press.

2013 The Biocultural Evolution of Conflict Resolution Between Groups. In, ***War, Peace, and Human Nature***. Douglas Fry, ed. Pp. 315-340. *Oxford University Press*.

2013 Review of ***The Bonobo and the Atheist***, by Frans de Waal. ***Nature***.

2012 Ancestral Hierarchy and Conflict. ***Science*** 336:844-847.

2012 ***Science*** podcast interview with Kerry Klein on Ancestral Hierarchy and Conflict. <http://www.sciencemag.org/content/336/6083/844/suppl/DC1>

2012 Democracy's Pre-History. ***The Edinburgh Companion to the History of Democracy***, Benjamin Isakhan and Stephen Stockwell eds, pp. 29-39. *Edinburgh: Edinburgh University Press*.

2012 Review article of Steven Pinker's ***The Better Angels of Our Nature: Why Violence Has Declined***. Viking, 2011, for ***Los Angeles Review of Books***.

2011 A Natural History of Retaliatory Violence. ***British Journal of Criminology*** 51: 518-534. [Special issue on Evolutionary and Historical Perspectives on Violence, Manuel Eisner, editor]

2011 Insult and Danger: Anthropology Among Navajos, Montenegrin Serbs, and Wild Chimpanzees. ***In Being There: Learning to Live Cross-Culturally***, Melvin Konner and Sarah Davis, eds., pp. 93-111. Cambridge: Harvard University Press.

2010 Rational Pre-Selection from *Hamadryas* to *Homo sapiens*: The Place of Decisions in Adaptive Process. In, ***The Evolution of Culture***, Stefan Linquist, ed. London: Ashgate. [Originally published in ***American Anthropologist*** 80:265-296.]

2009 Power: Insights from Evolutionary Biology, Primates, and Other Animals. In, Ana Guinote and Theresa K. Vescio, eds., ***The Social Psychology of Power***. London: Guilford. (Co-authored with Jessica Flack.)

Christopher Boehm

2009 How the Golden Rule Can Lead to Reproductive Success: A New Selection Basis for Richard D. Alexander's "Indirect Reciprocity." In, ***The Golden Rule: Analytical Perspectives***. B. Chilton and J. Neusner, eds. Pp. 151-178. University Press of America Studies in Religion Series.

2008 Purposive Social Selection and the Evolution of Altruism. ***Cross Cultural Research*** 2:319-352.

2008 A Biocultural Evolutionary Exploration of Supernatural Sanctioning. In, ***Evolution of Religion: Studies, Theories, and Critiques***, J. Bulbulia, R. Sosis, E. Harris, R. Genet, C. Genet, and K. Wyman, eds., pp. 143-152. Santa Margarita, CA: Collins Foundation Press.

2007 The Natural History of Blood Revenge. In, ***Feud in Medieval and Early Modern Europe***. J. B. Netterstrøm & B. Poulsen, eds., pp. 187-202. Aarhus, Denmark: Aarhus University Press.

2007 A Short Natural History of Altruism and Health. In, ***The Science of Altruism and Health: Perspectives from Empirical Research***. S. J. Post, ed. Pp. 332-351. Oxford: Oxford University Press.

2006 Interactions of Culture and Natural Selection in the Middle and Late Stone Age. In, ***Evolution and Culture : A Fyssen Foundation Symposium***. P. Jaisson and S. Levinson, eds., pp. 79-103. Cambridge: MIT Press.

2005 Morality Developed as a Means of Controlling Powerful Group Members. In, ***Current Debates in Ethics***, B. Waller ed., pp. 216-230. New York: Longman.

2004 Explaining the Prosocial Side of Moral Communities. In, ***Evolution and Ethics: Human Morality in Biological and Religious Perspective***, P. Clayton and J. Schloss, eds., pp. 78-100. New York: Eerdmans.

2004 What Makes Humans Economically Distinctive? A Three-Species Evolutionary Comparison and Historical Analysis. ***Journal of Bioeconomics*** 6:109-135.

2004 Large Game Hunting and the Evolution of Human Sociality. In, ***Origins and Nature of Sociality among Nonhuman and Human Primates***. R.W. Sussman and A.R. Chapman, eds., pp. 270-287. New York: Aldine.

2003 Global Conflict Resolution: An Anthropological Diagnosis of Problems with World Governance. In, ***Evolutionary Psychology and Violence: A Primer for Policymakers and Public Policy Advocates***. Richard Bloom and Nancy Dess, eds. Pp. 203-236.

Christopher Boehm

2002 Commentary on **The Vines of Complexity: Egalitarian Structures and the Institutionalization of Inequality among the Enga**, by Polly Wiessner. In, **Current Anthropology** 43:233–269.

2001 Problem Solving Among Nonliterate People. **Journal of Behavior Analysis** 27:225-250.

2000 Conflict and the Evolution of Social Control. In, **Journal of Consciousness Studies** 7:149-183, **Special Issue on Evolutionary Origins of Morality**; Leonard Katz, guest editor. [Target article with commentary and author's rejoinder]

2000 Forager Hierarchies, Innate Dispositions, and the Behavioral Reconstruction of Prehistory. In, **Hierarchies in Action: Cui Bono?** Michael W. Diehl, editor, pp.31-58. Center for Archaeological Investigations, Occasional Paper No. 27. Carbondale: SIU Press.

2000 Group Selection in the Upper Paleolithic? **Journal of Consciousness Studies** 7:211-215. **Special Issue on Evolutionary Origins of Morality**; Leonard Katz, guest editor.

2000 Cultural Apprenticeship and Cultural Change: Tool Learning and Imitation in Chimpanzees and Humans. In, **Biology, Brains, and Behavior: The Evolution of Human Development**. S. T. Parker, J. Langer, and M. L. McKinney, editors, pp. 237-277. Santa Fe: School of American Research Press. [Co-authored chapter with Patricia Greenfield, Ashley E. Maynard, and Emily Yut Schmidting]

1999 Introduction. In, **Human Nature** Volume 10: **Special Issue on Altruism and Natural Selection**, Christopher Boehm, guest editor.

1999 The Natural Selection of Altruistic Traits. **Human Nature** 10: 205-252.

1997 Impact of the Human Egalitarian Syndrome on Darwinian Selection Mechanics. **American Naturalist** 150: 100-121.

1997 Egalitarian Behavior and The Evolution of Political Intelligence. In, **Machiavellian Intelligence II**, edited by D. Byrne and A. Whiten. Pp. 341-364. Cambridge: Cambridge University Press.

1997 Hierarchy, Exchange, and the Levels of Natural Selection. **Journal of Contemporary Legal Issues** 8:131-166.

1996 Emergency Decisions, Cultural Selection Mechanics, and Group Selection. **Current Anthropology** 37:763-793. [Target article with commentary and author's rejoinder]



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1995 A Note on Scavenging by Wild Chimpanzees. *Folia Primatologica* 65:43-47. (Co-Authored with M. N. Muller, E. Mpongo, and C. B. Stanford)

1994 Pacifying Interventions at Arnhem Zoo and Gombe. In, *Chimpanzee Cultures*, edited by Richard W. Wrangham, W. C. McGrew, Frans B. M. de Waal, and Paul G. Heltne. Pp. 211-226. Cambridge: Harvard University Press.

1994 On Human Egalitarianism: An Evolutionary Product of Machiavellian Status Escalation? *Current Anthropology* 35:175-184. (Coauthors: David Erdal, Andrew Whiten, and Bruce Knauft)

1993 Egalitarian Behavior and Reverse Dominance Hierarchy. *Current Anthropology* 34:227-254. [Target article with commentary and author's rejoinder; this paper won the *Stirling Prize in Psychological Anthropology*; see awards]

1992 Segmentary "Warfare" and the Management of Conflict: Comparison of East African Chimpanzees and Patrilineal-Patrilocal Humans. In, *Us Against Them: Coalitions and Alliances in Humans and Other Animals*. A. Harcourt and F. de Waal (eds). Pp. 137-173. Oxford: Oxford University Press.

1992 Vocal Communication of Pan Troglodytes: Possibilities for Explaining Human Language Origins. In, *Language Origin: A Multidisciplinary Approach*. J. Wind, B. Chiarelli, B. Bichakjian, A. Nocentini and A. Jonker, eds. Pp 323-350. Dordrecht: Kluwer Academic Publishers.

1991 Lower-Level Teleology in Biological Evolution: Decision Behavior and Reproductive Success in Two Species. *Cultural Dynamics* 4:115-134.

1989 Ambivalence and Compromise in Human Nature. *American Anthropologist* 91:921-39.

1989 A Research Strategy for Studying Chimpanzee Vocal Communication in Isolation from Postural and Gestural Modes of Communication. In, *Understanding Chimpanzees*. Paul Heltne and Linda Marquardt, eds. Cambridge: Harvard University Press.

1989 Vocal Communication of Wild Chimpanzees. *Anthroquest* 39:15-18.

1986 Capital Punishment in Tribal Montenegro: Implications for Law, Biology, and Social Control. *Ethology and Sociobiology* 7: 305-320.

1985 Execution Within the Clan as an Extreme Form of Ostracism. *Social Science Information* 24:309-321.

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1984 Can Hierarchy and Egalitarianism both be Ascribed to the Same Causal Forces? ***Politics and the Life Sciences*** 1:34-37.

1984 Mountain Refuge Area Adaptations. In, ***Cultural Adaptation to Mountain Environments***. P. E. Beaver and B. L. Purrington, eds. Atlanta: University of Georgia Press.

1983 The political ecology of refuge area warriors: Some implications for pastoral nomads. ***Nomadic Peoples*** 12:4-13.

1983 The Evolutionary Development of Morality as an Effect of Dominance Behavior and Conflict Interference. In, ***Law, Biology and Culture: The Evolution of Law***. M. Gruter and P. J. Bohannon, eds. Santa Barbara: Ross-Erikson. [Reprinted]

1983 Die Evolutionare Entwicklung der Moral als Folge von Dominanzverhalten und Konfliktinterferenz. In, ***Der Beitrag der Biologie zu Fragen von Recht und Ethik***. M. Gruter and M. Rehbinder, eds. Berlin: Duncker and Humblot. [Article reprinted in translation.]

1982 A Fresh Outlook on Cultural Selection. ***American Anthropologist*** 84:105-124.

1982 The Evolutionary Development of Morality as an Effect of Dominance Behavior and Conflict Interference. ***Journal of Social and Biological Structures*** 5:413-422.

1982 Refuge Area Warrior Adaptations: Implications for the Study of Nomads. ***Nomadic Peoples*** 12:4-13.

1982 Primate Studies. ***Journal of Social and Biological Structures*** 5:410-412.

1981 Parasitic Selection and Group Selection: A Study of Conflict Interference in Rhesus and Japanese Macaque Monkeys. In, ***Primate Behavior and Sociobiology: Proceedings of the International Congress of Primatology***. A. B. Chiarelli and R. S. Corruccini, eds. Pp. 161-182. Heidelberg: Springer.

1981 Anthropology and Education Studies. In, ***Educational Studies and Social Science***. A. Hartnett, ed. London: Heineman. [Co-authored with A. Vierra and S. Neely].

1980 Exposing the Moral Self in Montenegro: The Use of Natural Definitions in Keeping Ethnography Descriptive. ***American Ethnologist*** 7:1-26.

1979 Some Problems with "Altruism" in the Search for Moral Universals. ***Behavioral Science*** 24:15-24.

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1978 Rational Pre-Selection from Hamadryas to Homo sapiens: The Place of Decisions in Adaptive Process. **American Anthropologist** 80:265-296.

1977 The Moral System. In, **Morality Examined**. L. J. Stiles and B. Johnson, eds. Princeton: Princeton Publishing Company.

1976 Biological versus Social Evolution. **American Psychologist** 31:348-351.

### REVIEW ARTICLES OF AUTHOR'S WORKS

2012 1998 Polly Wiessner. Emergency Decisions, Cultural Selection Mechanics, and Group Selection. **Current Anthropology**. [Critique of 1996 **Current Anthropology** article.]

1997 David Sloan Wilson. Human Groups as Units of Selection. **Science** 276:1816-1818. [Article devoted to 1997 **American Naturalist** article: "Impact of the Human Egalitarian Syndrome on Darwinian Selection Mechanics," with summary and critique.]

1994 David Erdal and Andrew Whiten. On Human Egalitarianism: An Evolutionary Product of Machiavellian Status Escalation? **Current Anthropology** 35:178-180. [Critique of 1993 **Current Anthropology** article on egalitarian behavior]

1994 Otterbein, Keith F. Feuding – Dispute Resolution or Dispute Continuation? In, **Feuding and Warfare, Selected Works of Keith F. Otterbein**. Pp. 133-146. Amsterdam: Gordon and Breach. [Chapter originally published in 1985, in the journal **Reviews in Anthropology**. It is a critique of **Blood Revenge**.]

1984 Gremaux, Rene J. M. Politics in 19<sup>th</sup> Century Montenegro. **Current Anthropology** 25:673-674. [Critique of **Montenegrin Social Organization and Values**.]

### NEWSWORTHY ACTIVITIES

2014 **Science/AAAS News**. Interviewed by Sid Perkins, commenting on article on computerized simulation of egalitarian political dynamics.

2013 Interviewed by **BBC** for October program on bullying behavior, approximately five minutes in 20 minute broadcast, on evolutionary background. Bill Law, producer.

2012 **Science Magazine** Podcast with Kerry Klein, interview about the natural history of conflict resolution, May 18.

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2012 **New Scientist**, article "When did our ancestors learn to do the right thing?" by Kate Douglas, article based on **Moral Origins**. May issue.

2012 **Psychology Today**, article "Moral Outrage as a Dark Side of Moral Goodness" by John A. Johnson. **Moral Origins** is discussed, July issue.

2012 **Smithsonian.com**. "How Humans Became Moral Beings," article by Megan Gambino, article based on **Moral Origins**, May 4.

2012, **Wall Street Journal**, "Kin and Kindness," double review article by Michael Shermer of **The Moral Molecule** by Paul Zak and **Moral Origins**, May 25.

2012 **Cleveland Plain Dealer**, review article "Christopher Boehm's 'Moral Origins' is a cheery theory on the origins of the kindness of strangers," by Philip Manning. July 12.

2012 **Big Picture Science Radio Show**, interview with Gary Niederhoff, July 9, based on **Moral Origins**. Interview available on their website.

2012 Appeared in film on Human Evolution produced by Japan Public Broadcasting. In Japanese language.

2012 Review article on Steven Pinker's book on the natural history of warfare, solicited by **Los Angeles Review of Books**.

2009 Article in **London Times** focused on work by Frans de Waal and myself on moral origins, based on press interview session at AAAS Meetings in Chicago.

2009 Article in **Irish Times** focused on work by Frans de Waal and myself on moral origins based on press interview session at AAAS Meetings in Chicago.

2009 Interviewed at AAAS Meetings in Chicago by **Swedish Public Radio** and **NPR**, on my conscience origins theory.

2009 Was quoted in article in **New Scientist** on relation of hunter-gatherer egalitarianism to good and evil protagonists in British literature and analogical functions in literature and hunter-gatherer gossiping traditions.

2008 Filmed by **National Geographic** Taboo film series as expert on Balkan Blood Feud. Film appeared in November 2008 under the title of Crime and Punishment.

2008 Interviewed by **Santa Fe New Mexican** newspaper, for article dealing with my research on conscience origins.

2007 Published magazine article "Political Primates," in **Greater Good** 4:24-26. Article compares chimpanzees and humans.

2005 Interviewed in film on election politics in Canada, produced by David Ridgen for **Canadian Broadcasting Corporation**. Provided five minute interview and film footage on wild chimpanzees.

2001 Conflict Resolution: An Evolutionary Perspective. Public lecture at Arthur D. Little Theatre sponsored by School of American Research, Santa Fe.

2000 **American Scientist**, March-April Volume 88, Number 2. "Balance of Power," by Ryan Early. Review of **Hierarchy in the Forest**.

1997 Consultant to New Zealand Public Television: film on cannibalism; I also was filmed for the sequence on aggression in chimpanzees. The film has appeared as a two hour special on **Discovery Channel**, entitled **Animal Cannibals**, where I am speaking for about five minutes on aggression and patrols in the 20 minute section on cannibalism among wild chimpanzees. This film also has been shown in a one-hour version on New Zealand Public Television with similar participation on my part, and as a different one-hour edited version, also for **Discovery Channel**.

1996 Work on egalitarianism was discussed in **Natural History** article on altruism, by Roger Lewin.

1996 Featured in article in **New York Times**, February 20, 1996, entitled "Gombe Chimps Archived on Video and CD-ROM," by Jane Brody. This two-page article with pictures appeared in the Science Section, and highlighted the Jane Goodall Research Center at USC and my methodological work using videotaped sequences to explain chimpanzee behavior.

1996 Interview on work with the USC video archive and interpretation of videotaped data on wild chimpanzees featured in article, "Virtual Chimp: A Revolutionary Tool for the Field Biologist," in **Wildlife Conservation**, February 1996, by Michael Tennesen.

1995 Theoretical work on egalitarian society was discussed in **Science News** review article on the group selection controversy, by Bruce Bower.

1994 Consultant to **New York Times**: article on egalitarianism, 1994. Quoted in article, "Sexes Equal on South Sea Island," by John Noble Wilford, March 29th.

1994 Consultant to **Animals** magazine: article on animal language and language origins.

1993 – 1994 Consultant to **National Geographic Television** on film Gombe Chimpanzees.

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1992 – 1993 Collaboration with **National Geographic Television** in obtaining scientific visual record of chimpanzee patrolling activities at Gombe National Park, Tanzania.

1991 "Conflict Resolution of Wild Chimpanzees." Video presentation to Miami Valley **Sierra Club**, Cincinnati.

1989 A brief article on my work on chimpanzee vocal communication appeared in **Science News**, April 8, 1989.

1987 Appeared in **Wild Kingdom** film on Gombe chimpanzee research.

1986 Work on chimpanzee vocalizations for **Wild Kingdom** film on chimpanzee research.

### LECTURES PUBLISHED ON VIDEO

Pant-Hoots of Chimpanzees as a Medium for Long Distance Communication. Video lecture presented at Conference on Understanding Chimpanzees, Chicago Academy of Sciences, Chicago 1986. Published by the Chicago Academy of Sciences, 1987.

### MINOR ACADEMIC PUBLICATIONS

2009 Comment on Landa, Quantifying the Study of Cultural Group Selection. **Bioeconomics** 10:293-295.

2008 Comment on Fission-Fusion Dynamics: New Research Frameworks, by Filippo Aureli, Colleen M. Schaffner, Christophe Boesch, Simon K. Bearder, Josep Call, Colin A. Chapman, Richard Connor, Anthony Di Fiore, Robin I. M. Dunbar, S. Peter Henzi, Kay Holekamp, Amanda H. Korstjens, Robert Layton, Phyllis Lee, Julia Lehmann, Joseph H. Manson, Gabriel Ramos-Fernandez, Karen B. Strier, and Carel P. van Schaik . In, **Current Anthropology** 49:627-654.

2000 Interactions of Culture and Natural Selection in the Upper Paleolithic. [http://www.bec.ucla.edu/papers/boehm\\_interactions.pdf](http://www.bec.ucla.edu/papers/boehm_interactions.pdf)

1999 Review of **Unto Others: The Evolution and Psychology of Unselfish Behavior**. Cambridge: Harvard University Press. By Elliot Sober and David Sloan Wilson, 1998. In, **American Anthropologist** 101:702-703.

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1999 Review of ***Fieldwork in Familiar Places: Morality, Culture, and Philosophy***. Cambridge: Harvard University Press. By Michelle Moody -Adams, 1997. In, ***American Anthropologist*** 101:468-469.

1998 Comment on David Sloan Wilson, Hunting, Sharing and Multilevel Selection: The Tolerated Theft Model Revisited. In, ***Current Anthropology*** 39:73-97.

1995 Introduction. In, ***A Stranger's Supper: An Oral History of Centarian Women in Montenegro***. Pp. 23-29. Zorka Milich, author. New York: Twayne.

1996 Comment on Gary S. Webster, Social Archaeology and the Irrational. ***Current Anthropology*** 38:618-619.

1995 Feuding. Short article in ***Blackwell's Encyclopedia of Cultural Anthropology***.

1995 Review of ***Population Politics: The Choices that Shape our Future***, by Virginia Abernethy. In, ***American Anthropologist*** 98:446.

1994 Review of ***Cooperation and Prosocial Behaviour***. R. A. Hinde and J. Groebel, eds. Cambridge: Cambridge University Press, 1991. In, ***American Anthropologist***.

1993 Culture and Cultures of Apathy. (Pp. 30-38) In, ***Behavioral Seminar III: Final Report of the Interactive Seminar***. Prepared for Office of Defense/Net Assessment. Room 3A930; The Pentagon, Washington, D.C. [Detailed synopsis of oral presentation comparing chimpanzee and human warfare behavior]

1993 Review of ***Sociobiology and Conflict: Evolutionary Perspectives on Competition, Cooperation, Violence and Warfare***. J. van der Dennen and V. Falger, eds. London: Chapman and Hall, 1990. In, ***American Anthropologist***.

1993 Review of ***Human Universals***, by Donald E. Brown. New York: McGraw-Hill, 1991. In, ***American Anthropologist***.

1991 Response to Bruce Knauft, Violence and Sociality in Human Evolution. ***Current Anthropology*** 32:411-412.

1991 Review of ***The Search for Society: Quest for a Biosocial Science and Morality***, by Robin Fox. New Brunswick: Rutgers University Press, 1989. ***American Anthropologist*** 91:237-38.

1991 Review of ***Manhood in the Making: Cultural Concepts of Masculinity***, by David D. Gilmore. New Haven: Yale University Press, 1990. ***Anthropological Quarterly*** 65:157-158.

1990 Review of ***Escalating Disputes: Social Participation and Change in the Oaxacan Highlands***, by Philip C. Parnell. Tucson: University of Arizona Press, 1988. ***American Anthropologist*** 92:235-236.

1990 Review of ***Biology and Freedom: An Essay on the Implications of Human Ethology***, by S. A. Barnett. New York: Cambridge University Press, 1988. ***American Anthropologist*** 92:226-227.

1989 Review of ***Feuding, Conflict and Banditry in Nineteenth-Century Corsica***, by Stephen Wilson. Cambridge: Cambridge University Press, 1988. ***American Ethnologist*** 16:801-802.

1988 Review of, ***Death, Sex and Fertility: Population Regulation in Preindustrial and Developing Societies***, by Marvin Harris and Eric B. Ross. New York: Columbia University Press, 1987. ***Population and Environment*** 10:135-138.

1988 Review of, ***The Biology of Moral Systems***, by Richard D. Alexander. New York: Aldine de Gruyter, 1987. ***American Anthropologist*** 90:758-760.

1984 Review of, ***Why They did not Starve: Biocultural Adaptation in a South Indian Village***, by Morgan MacLachlan. Philadelphia: ISHI Press, 1983. ***American Anthropologist*** 86:772-774.

1981 Review of ***Morality as a Biological Phenomenon: The Presuppositions of Sociobiological Research***. Gunther S. Stent, ed. Berkeley: University of California Press. In, ***American Anthropologist*** 83:414- 416.

## MAJOR RESEARCH PROJECTS

Investigation of free-rider behavior in humans. This ongoing three-year funded project involves coding dozens of Pleistocene-appropriate hunter-gatherer societies not only for cheating behavior and how it is coped with by groups, but for bullying behavior and how it is suppressed to the advantage of altruists. The latter is a little-recognized form of free-riding, which results for large disadvantages for altruists unless it is suppressed at the level of phenotype. This investigation is expected to shed new light on how altruistic traits are able to evolve in human groups that exert moralistic social control.

Hunter-Gatherer Electronic Archive. This database is designed to facilitate literature searches on political, social, and religious aspects of hunter-gatherer life. This ongoing project involves coding and summarizing ethnographic materials on Pleistocene-appropriate mobile foraging bands and planned creation of a digitalized interactive multimedia database for research purposes. In collaboration with Dr. Gary Seaman, Director of Archival Research at the Jane Goodall Research Center, 2000-present.



Archiving of Gombe videotape collection. The Jane Goodall Research Center has almost 500 hours of field videotapes of wild chimpanzee behavior on 8 mm video which are to be digitized so that they can be used in film-making and made into a searchable interactive database.

Evolution of human altruism. Library research with Human Relations Area Files, supported by Templeton Foundation, 2003-2006.

Evolution of moral behavior. Library research with Human Relations Area Files, researching a book on moral evolution. Supported by School of American Research, 1999-2000.

Evolutionary study of human conflict resolution and forgiveness behavior based on world ethnography, using Human Relations Area Files. Supported by Templeton Foundation, 1998-1999.

Laboratory analysis of wild chimpanzee vocal communication (*waa* barks used by subordinates to protest domination), at Jane Goodall Research Center, USC, 1994-1998.

Field investigation of free-ranging chimpanzee social behavior at Gombe Stream National Park, Tanzania, using Hi-8 videotape research technology, 1992-1994.

Data analysis: videotaped materials on conflict-resolution behavior of free-ranging chimpanzees, 1989-1990.

Summer field research developing recording techniques for study of long-distance vocal communication of free-ranging chimpanzees, Gombe Stream Research Centre, Tanzania, 6 weeks, 1989.

Field study of developmental aspects of conflict-resolution behavior among free-ranging chimpanzees. Data collection at Gombe Stream Research Centre, Tanzania. Data analysis spring semester 1988 and spring semester 1989. Two years, 1987-1989.

Summer field research on long-distance vocal communication behavior of free-ranging chimpanzees, Gombe Stream Research Centre, Tanzania, 2 months 1987.

Data analysis: long-distance vocal communication behavior of free-ranging chimpanzees, spring semester 1987.

Summer field research on long-distance vocal communication behavior of free-ranging chimpanzees, Gombe Stream Research Centre, Tanzania, 2 months 1986.

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Field research on chimpanzee conflict resolution behavior, Gombe Stream Research Centre, Tanzania, fall semester 1985.

Full-time library research and writing on nonliterate social control, academic year 1984-1985, under NEH grant.

Summer field work and scientific video research on triadic interactions among free-ranging chimpanzees at Gombe Stream Research Centre, Tanzania, 3 months 1984.

Sociolinguistic field research on negotiation behavior, urban USA, 1 month 1983.

Library research on egalitarianism in its social, political and biological aspects, at Harvard University, 7 months 1981-1982.

Research on conflict resolution among nonhuman primates, Tozzer Library, 2 months 1982.

Research on the early evolution of morality, Tozzer Library, 2 months 1981.

Research on conflict interference in macaque monkeys, Tozzer Library, 2 months 1980.

Research on South Slavic blood feuds and their pacification, Tozzer and Stanford libraries, 2 months 1979.

Summer urban field research on morality and abortion decision making, Chicago, 3 months 1976.

Summer field work in Montenegro, Yugoslavia, 1 month; archival research in Montenegro and Slovenia on blood feud and state origins in Montenegro, 2 months 1975.

Three years' doctoral field research (1963-1966) in Montenegro, Yugoslavia, including 26 months in Upper Moracha Tribe in the Brda district of Northern Montenegro. Dissertation research on ethics and social control (lexicographic approach). Title of dissertation: Montenegrin Ethical Values: An Experiment in Anthropological Method.

Summer field research with Bert Kaplan Project investigating Navajo mental illness etiology, working with medicine men. Navajo Indian Reservation in New Mexico and Arizona, 3 months 1961.

## **EXTERNAL RESEARCH FUNDING**

[See MAJOR RESEARCH PROJECTS for details]

Total external research funding: \$837,000.

Templeton Foundation grant (Human Uniqueness Initiative) to study free-riding behavior among hunter-gatherer societies. [\$200,000]

Templeton Foundation grant (IRUL Program) for ethnographic study of nepotism and altruism in hunter-gatherer societies. [\$100,000]

John Simon Guggenheim Fellowship to research the evolution of conflict resolution. [\$35,000]

School of American Research Fellowship to complete research on moral evolution and write book on that topic, 1999-2000. [The School of American Research is a small anthropological research institute in Santa Fe, New Mexico, which funds seven full-time resident scholars each year.] [\$30,000]

Templeton Foundation grant for Evolutionary and Cross-cultural Study of Conflict Resolution and Forgiveness, 1998-2000. [\$200,000; USC subcontract 104,800] [With David S. Wilson]

National Geographic Television subvention for video cameras and compensation of field assistants for scientific study of territorial interactions of wild chimpanzees, in Tanzania, 1993-1996. [\$10,000]

Jane Goodall Institute Grant: Transcription of Swahili field notes from videotapes of chimpanzee behavior (conflict resolution), 1989-1991. [\$20,000]

H. F. Guggenheim Foundation Research Grant: "Ontogeny of Conflict Resolution among Free-Ranging Chimpanzees; Field Study of Fight Interference and Reassurance Behaviors." For research conducted in Tanzania and at Northern Kentucky University, two-year grant 1987-1989. [\$72,000]

L.S.B. Leakey Foundation Research Grant for preliminary analysis of data on chimpanzee vocal communication, 1987. [\$1000]

L.S.B. Leakey Foundation Research Grant for summer field study of long-distance vocalization of wild chimpanzees, in Tanzania, 1986. [\$5,600]

National Endowment for the Humanities research fellowship, to conduct research on evolution of social control, academic year 1984-1985. [\$25,000]

Christopher Boehm

H. F. Guggenheim Foundation Research Grant: "Study of Political Egalitarianism," 7 months, 1981-1982. [\$42,000]

NEH Summer Fellowship to study evolution of morality and law, 1981. [\$3,000]

Fund for the Development of Postsecondary Education: Grant to develop a research-oriented applied program in anthropology and sociology at Northern Kentucky University, 1980-1983, 3 years. [\$110,000]

NIMH Grant to study "Moral Development of Children in Montenegro," 1975. [\$10,000; permission to conduct field research denied]

NIMH Dissertation Fellowships, Harvard University, 1966-1968. [\$13,000]

NIMH Predoctoral Research Fellowship: doctoral research in Yugoslavia, 18 months, 1964-1966. [\$12,000]

Ford Foundation Foreign Area Training Fellowship: doctoral research in Yugoslavia, 14 months, 1963-1964. [\$14,000]

Ford Foundation Foreign Area Training Fellowship: research at Harvard and area training at Columbia, 12 months, 1962-1963. [\$9,600]

### **INTERNAL RESEARCH FUNDING**

[See RESEARCH PROJECTS for details]

Non-sabbatical research leave, University of Southern California, Spring 2012.

Sabbatical Leave, University of Southern California, full year, to prepare book manuscript on moral evolution, 2006-2007.

Sabbatical leave, University of Southern California, spring semester, for research on moral evolution, 1998.

Sabbatical leave, University of Southern California, for research on human evolution and to develop Jane Goodall Research Center, 1991.

Northern Kentucky University Faculty Research Grant for summer field study of chimpanzee vocalization behavior in Tanzania, 1989. [\$1500]

Summer Fellowship, Northern Kentucky University, for field study of long-distance vocal communication among wild chimpanzees, in Tanzania, 1987. [\$3000]

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Sabbatical leave, Northern Kentucky University, fall semester, to conduct field research on wild chimpanzees in Tanzania and use Gombe Stream Research Centre data base, 1985.

Northern Kentucky University Summer Fellowship for field study of conflict resolution among wild chimpanzees, in Tanzania, 1984. [\$3000]

Northern Kentucky University Faculty Research Grant to study comparative primate behavior (conflict interference), 1982. [\$1500]

Northern Kentucky University Faculty Research Grant to study primate behavior, 1980. [\$1800]

Northern Kentucky University Faculty Research Grant for archival research on Balkan ethnohistory, 1979. [\$1200]

Northern Kentucky University Faculty Research Grant for preparation of book manuscript, 1978. [\$1000]

Northwestern University Faculty Research Grant to study decision-making in first trimester abortions, 1976. [\$1500]

Northwestern University Faculty Summer Fellowship: Archival research on tribal politics, in Yugoslavia, 1975. [\$2300]

Harvard University Training Program for Social Scientists: to augment research with Navajo medicine men with Bert Kaplan project, Navajo Reservation, 1961.

### **SCHOLARLY PRESENTATIONS**

Evolutionary Perspectives on Male Aggression and Violence. Co-organizer with Richard Wrangham. Symposium sponsored by CARTA, University of San Diego, 2014.

The Hunter-Gatherer Potential for War and Peace. Invited lecture, professional symposium on Evolutionary Perspectives on Warfare, sponsored by CARTA, University of San Diego, 2014.

War, Peace, and Prehistoric Foragers. Invited lecture, public symposium on Evolutionary Perspectives on Warfare, sponsored by CARTA, University of San Diego, 2014.

Free-Rider Suppression and the Evolution of Human Altruism. Invited lecture at California Institute of Technology, sponsored by Skeptics Society, Pasadena, 2012

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Moral Evolution and Two Types of Social Selection. Invited lecture, New York University Stern School of Business, 2012

Conscience Origins. Invited speaker, Conference on the Evolution of Morality: the Biology and Philosophy of Human Conscience, organized by Frans de Waal, Telmo Pievani, and Stefano Parmigiani, International School of Ethology, Erice, Sicily, 2012.

Altruism and the Notorious Free-Rider. Invited speaker, symposium on "Consilience: Evolution in Biology, the Human Sciences, and the Humanities." Saint Louis, 2012

Social Selection: the Role of Free-Rider Suppression. Invited paper, Symposium on Cultural Neuroscience, University of Michigan, Ann Arbor 2012.

Human Altruism: The Result of Two Types of Social Selection. Invited speaker, private lecture at CARTA [Center for Academic Research and Training in Anthropogeny] Meeting: The Evolution of Human Altruism: The Role of Social Selection. University of San Diego and The Salk Institute, San Diego, 2011.

Social Selection Versus the Notorious Free-Rider. Invited speaker, public lecture at CARTA [Center for Academic Research and Training in Anthropogeny] Meeting: The Evolution of Human Altruism: The Role of Social Selection. University of San Diego and The Salk Institute, San Diego, 2011.

Blood Revenge Among Mobile Foragers. Paper presented at Society for Cross-Cultural Research Meetings, Charleston, 2011

A Natural History of Social Selection. Invited paper at Symposium on Cultural Neuroscience, University of Michigan, Ann Arbor 2010.

Organizer, Workshop on the Human Conscience. Funded by the John Templeton foundation. Santa Fe, 2010.

Defining the Conscience Anthropologically. Invited paper presented to Workshop on the Human Conscience, Santa Fe, 2010.

Gossip Among Tribal Serbs in Montenegro. Paper presented at Society for Cross-Cultural Research Meetings, Albuquerque, 2010.

Sanctions and Rewards in the Natural History of Morality. Invited paper presented at AAAS Meetings, in Symposium on Celebrating Darwin at 200: Explaining How Human Morality Evolved. Chicago, 2009.

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Sanctioning Selection as an Explanation for the Evolution of Indirect Reciprocity and Altruism. Invited paper presented at Symposium on Analytical Perspectives, Conference on the Golden Rule in World Religions, Bard College, 2008.

Invited as Participant, Study Group on Egalitarianism. Organized by Sam Bowles and Joan Silk, Santa Fe Institute, 2008.

Female Hunters in the Pleistocene? Presentation to Society for Scientific Anthropology, New Orleans, 2008.

Hunter-Gatherer Political Hierarchy: Egalitarian Behavior and Collective Action. Presentation to Seminar on Economic Theory, Santa Fe Institute, 2007.

Sanctioning Selection, Lower-Level Teleology, and the Evolution of Self-Control. Paper presented in Symposium on Evolutionary Approaches, Society for Cross-Cultural Research Meetings, San Antonio 2007.

The Uses of Supernatural Sanctioning among Hunter-Gatherers. Paper presented in absentia to Evolutionary Ethics Conference on the Evolution of Religion, sponsored by the Orion Foundation, Honolulu 2006.

Methods of Triangulation to Pleistocene Hunting Traditions. Presentation to Conference on the Effect of Pleistocene Climatic Perturbations on Human Social Evolution. School of American Research, Santa Fe 2005.

Hunting and the Origin of Social Control. Presentation to Human Evolution Forum, University of New Mexico, Albuquerque 2005.

Interactions of Biological and Cultural Group Selection. Invited address at Konrad Lorenz Institute, Vienna 2005. [Paper invited but cancelled due to illness]

Four Explanations of Altruistic Behavior. Paper presented at Society for Cross Cultural Research Meetings, Santa Fe 2005.

Discussant, Session on Evolution of Altruism in Global Perspective, Society for Cross Cultural Research Meetings, Santa Fe 2005.

Altruism, Ambivalence, and the Evolution of Community Property. Invited paper, Institute for Research on Unlimited Love, Washington 2004.

Evolution of Hierarchy in Human and Nonhuman Primate Societies. Invited presentation to Founding Workshop: New Directions in Behavioral Sciences, Santa Fe Institute, Santa Fe 2004.

The Natural History of Conflict Resolution. Presentation, Presidential Symposium on Warfare, American Anthropological Association Meetings, Chicago 2003.

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Blood Feud. Paper presented to Conference on Feud and Society, University of Aarhus, Denmark, 2003.

A Naturalistic Theory of Moral Genesis. Keynote address, Conference on Biology and Purpose: Altruism, Morality, and Human Nature in Evolutionary Theory. Sponsored by Templeton foundation: Institute for Research on Unlimited Love. Calvin College, Grand Rapids, Michigan 2002.

Applying Hunter-Gatherer and Chimpanzee Political Models to the Understanding of International Conflict. Presentation to Andrew Marshall Summer Seminar at Naval War College, Newport, Rhode Island 2002.

Two Models for Stabilizing World Politics. Invited Address, Penetanguishene Symposium. Forensic Conference: Managing Violence in the New Millennium: Global, Institutional, and Community Perspectives. Ontario, 2002.

The Evolution of Moral Communities. Invited lecture at Anthropology Department, University of Arizona, Tucson, 2002.

Conflict Resolution in Chimpanzees and Humans. Invited lecture at School of American Research, Santa Fe 2002.

Variance Reduction and the Evolution of Social Control. Paper presented at Santa Fe Institute, 5th Annual Workshop on the Co-Evolution of Behaviors and Institutions, November 2002, Santa Fe. (Posted at Santa Fe Institute Web site).

Segmentary Politics and World Order. Invited lecture at Santa Fe Institute, Santa Fe 2001.

What it Means to be a Political Human Being. Invited keynote speech at Inter-Disciplinary Conference on Development of the Human Species and its Adaptations to the Environment. Funded by the Biocomplexity Program of the National Science Foundation and held at the House of the American Academy of Arts & Sciences, Cambridge, Massachusetts 2001.

Hunter-Gatherer Social Life as a Diagnostic for Levels of Selection. Invited paper presented at Conference on Groups, Multi-Level Selection, and Evolutionary Dynamics, Santa Fe Institute, Santa Fe 2001.

Political Egalitarianism and the Evolution of Law. Invited speaker for Program on Evolutionary Biology and the Law, University of Texas School of Law, Austin 2001.

The Evolution of Egalitarian Behavior. Invited paper presented at Behavior, Evolution, and Culture Seminar at University of California Los Angeles, Los Angeles 2000.



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Hunting, Variance Reduction, and the Evolution of Egalitarianism. Paper presented at Symposium on Hunting and Social Behavior, American Anthropological Association Meetings, San Francisco 2000.

Case Studies of Moral Sanctioning in Hunter-Gatherer Societies. Paper presented at Workshop on the Coevolution of Institutions, Santa Fe Institute, Santa Fe, 2000.

Hunting Cooperation and Human Sociality. Invited paper presented at Symposium on The Origins and Nature of Sociality among Nonhuman and Human Primates, AAAS, Washington, 2000.

The Role of Decisions and Intentionality in Behavioral Analysis. Invited paper presented at Conference on Cognitive Behavior, University of Guadalajara, Guadalajara, 2000.

Political Evolution and Normative Change. Invited paper presented at Conference on Normative and Institutional Change, Samuel Bowles, organizer, Santa Fe Institute, Santa Fe, 2000.

Hunting and Love of Fat as Factors in Moral Evolution. Presentation to Department of Anthropology, Harvard University, Cambridge 1999.

The Evolution of Social Behavior. Invited paper presented at Fyssen Foundation [Max Planck] Symposium on the Evolution of Morality, Paris 1999.

The Human Potential for Warfare. Paper presented at Symposium on the Future of Warfare, American Anthropological Society Meetings, Chicago 1999.

Prehistoric Warfare. Paper delivered at Human Behavior and Evolutionary Society Meetings, Salt Lake City 1999.

Human Anthropological Methodology and the Study of Morality in an Evolutionary Context. Session leader, American Association for the Advancement of Science Conference on Primatology and Human Nature, Washington, 1998.

Three Evolutionary Paths to Altruism. Video lecture presented at School for American Research, Santa Fe, 1998.

The Effect of Egalitarianism on Human Evolution. Invited lecture delivered at Santa Fe Institute, Santa Fe 1998.

Cooperation in Simple Societies. Invited paper delivered at MacArthur Conference on Economic Preferences. Hoover Institution, Stanford 1998.

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Chair, Session on Altruism. Human Behavior and Evolutionary Society Meetings, Davis 1998.

A Complex Approach to Explaining Human Altruism. Paper presented at Session on Altruism, Human Behavior and Evolutionary Society Meetings, Davis 1998.

Strategies and Tactics of Intervention in Wild Chimpanzees. Invited lecture to Chimpanzee Conference, Los Angeles Zoo, Los Angeles, 1998.

Triangulating to the Chimpanzee Mind. Paper and video presented at Symposium on Anthropology and Consciousness, American Anthropological Association Meetings, Washington, 1997.

Natural Selection, Innate Dispositions, and the "Legislation" of Altruism at the Band Level. Paper presented at Human Behavior and Evolution Society Meetings, Tucson, 1997.

Chair, Symposium on Multi-Level Selection, Human Behavior and Evolution Society Meetings, Tucson 1997.

Forager Hierarchies and their Effect on Human Behavioral Dispositions. Invited paper presented at Visiting Scholar's Conference, Southern Illinois University, Carbondale 1997.

Group Selection, Pleiotropic Effects, and the Selection of Altruistic Traits. Lecture for Southern California Primate Research Forum Conference, Long Beach State University, Los Angeles 1996.

The Impact of Egalitarianism on Darwinian Selection Mechanics. Paper presented at Symposium on Group Selection, Human Behavior and Evolution Society Meetings, Evanston 1996.

Chair, Symposium on Natural Selection. Human Behavior and Evolution Society Meetings, Evanston 1996.

Selection Mechanics and the Evolution of Law. Paper presented at Gruter Foundation Conference on Legal Norms, Reno 1996.

Evolution of Egalitarian Behavior. Paper presented at Human Behavior and Evolution Meetings, Santa Barbara 1995.

The Chimpanzee *Waa* as an Expression of Political Defiance. (With Norman Rosen and Jim DePompei). Southern California Primate Research Forum, Long Beach 1995.

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Neutralizing the Human Social Dominance Hierarchy: Egalitarian Society and Machiavellian Intelligence. Invited lecture at Mellon Symposium on The Evolution of Egalitarian Relationships. Emory University, Atlanta 1995.

Developmental Changes in Attention and their Relation to the Development of Insect Fishing Technology in Young Chimpanzees in the Wild. Presentation at Jean Piaget Society Meetings, San Francisco 1995. (Co-authors: Dr. Patricia Greenfield and Emily Yut.)

Chimpanzee Conflict Resolution and the Evolution of Morality. Paper presented to Symposium on Evolution of Moral Systems, Human Behavior and Evolution Society Meetings, Binghamton 1994.

Fight-Stopping among Wild Chimpanzees. Video presentation to Human Behavior and Evolution Society Meetings, Binghamton 1994.

Culture and Cultures of Antipathy: A Serbian Case Study. Lecture to Net Analysis Behavioral Seminar III on Group Antipathies, at Science Applications International Corporation, McLean, Virginia, 1993. [See also under Publications for narrative summary of this presentation]

Aggressive Emotions in Chimpanzee Conflict Resolution. Presentation to Department of Psychiatry, Veterans Administration Hospital, Los Angeles 1993.

Chair, Symposium on Biocultural Behavior, Human Behavior and Evolution Meetings, Albuquerque 1992.

Chimpanzee Territorial Patrols. Video lecture presented at Human Behavior and Evolution Meetings, Albuquerque 1992.

Agonism and Hierarchy in Chimpanzees and Humans. Presentation to Faculty Colloquium, Department of Anthropology, University of California, Santa Barbara 1992.

Tactics and Strategies in Triadic Peace-Making Interventions. Paper presented at Symposium on Chimpanzee Reconciliation Behavior. International Conference on Chimpanzee Behavioral Diversity, Chicago Academy of Sciences, Chicago 1991.

Play Behavior. Video presentation to Symposium on Chimpanzee Social Behavior. International Conference on Chimpanzee Behavioral Diversity, Chicago Academy of Sciences, Chicago 1991.

Feeding Precariously on Army Ants. Video presentation to Symposium on Chimpanzee Behavioral Diversity. International Conference on Chimpanzee Behavioral Diversity, Chicago Academy of Sciences, Chicago 1991.

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Sharing Scavenged Meat. Video presentation to Symposium on Chimpanzee Social Ecology. International Conference on Chimpanzee Behavioral Diversity, Chicago Academy of Sciences, Chicago 1991.

Warfare as Conflict Management. Symposium on Theories of Intergroup Conflict and Peacemaking. Paper presented at American Anthropological Association Meetings, Chicago 1991.

Chair, Session on Political Behavior, Human Behavior and Evolution Meetings, Hamilton, Ontario 1991.

Chimpanzee Agonistic Bouts and Intervention Behavior. Video lecture presented at Human Behavior and Evolution Meetings, Hamilton, Ontario 1991.

Conflict Management among Wild Chimpanzees. Video lecture to Department of Anthropology, University of Southern California, Los Angeles 1991.

Ambivalence Over Committing Intracommunity Homicide. Paper presented at American Anthropological Association Meetings, New Orleans 1990

Egalitarian Behavior as an Effect of Ambivalent Human Nature. Paper presented at Human Behavior and Evolution Meetings, UCLA 1990.

Chimpanzee Social Behavior and Conservation at Gombe National Park, Tanzania. Paper presented at Central States Anthropological Society, Cincinnati 1990.

Montenegrin Blood Feud: An Example of Ambivalence in Human Nature. Symposium on Socialization for Revenge and War, American Anthropological Association Meetings, Chicago 1989.

The Evolution of Egalitarianism: An Evolutionary Case-History of Rational Preselection. Conference on Transgenerational Culture Change: Analyses with an Evolutionary Explanatory Approach. Congress of the German Society for Social Anthropology, Cologne, West Germany, 1989. (By invitation as a principal speaker; funded by German Society for Anthropology)

Implications of Wild Chimpanzee Behavior for Human Evolution. Paper presented to Department of Anthropology, State University at New York, Albany 1989.

Chimpanzee Social Behavior. Video presentation to Staff of Cincinnati Zoo, Cincinnati 1989.

War, Conflict and Violence. Keynote lecture, Northern Kentucky University Anthropological Film Series, sponsored by Museum of Anthropology 1989.

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Time-Oriented Behaviors of Wild Chimpanzees at Gombe National Park, Tanzania. Video lecture presented at American Ethnological Society Meetings Santa Fe, 1989.

Chimpanzee Vocal Communication. Invited video lecture to Conference on The Origin of Human Language, NATO Advanced Study Institute, Cortona, Italy 1988.

Design Features and the Origins of Language. Invited paper presented at Conference on The Origin of Human Language, NATO Advanced Study Institute, Cortona, Italy 1988.

Subadult Conflicts and Interference Behavior Among Wild Chimpanzees. Paper presented at American Anthropological Association meetings, Chicago 1987.

"Sights and Sounds of Gombe." Video presentation to Miami Valley **Sierra Club**, Cincinnati 1987.

Long-Distance Vocal Communication of Chimpanzees and the Evolution of Language. Video lecture to Cincinnati Anthropological Society, Cincinnati 1987.

Pant-Hoots of Chimpanzees as a Medium for Long Distance Communication. Video lecture presented at Conference on Understanding Chimpanzees, Chicago Academy of Sciences, Chicago 1986.

Conflict Interference Among Adult Wild Chimpanzees at Gombe Stream National Park, Tanzania. Paper presented at Primate Social Behavior Session, American Association of Physical Anthropology Meetings, Albuquerque 1986.

Ostracism, Social Control, and Some New Uses for the Social Distance Concept. Paper presented at Symposium on Ostracism, Institute for Law and Behavioral Research, Monterey 1985.

The Relation of Anthropological and Organization Behavior Theories. Paper co-presented at Southwestern Anthropology Association Meetings, Asilomar 1984. (With M. Boehm)

Egalitarian Tribesmen under Despotic Charismatic Rule. Paper presented at symposium on Ethnic Groups and Assimilation, American Society for Ethnohistory meetings, Albuquerque 1983.

Intraclan Execution: Capital Punishment without Law. Paper presented at Symposium on Ostracism, Law and Society meetings, Denver 1983.

Negotiation: The Communication of Self-Interest in Two Cultures. Paper presented at Southwestern Anthropological Meetings, Baton Rouge 1983.

Adaptive Problem Solving and Cultural Selection. Paper presented in

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Symposium on Adaptive Problem Solving, American Anthropological Association meetings, Washington 1983.

Refuge Area Warriors: A Political Thorn in the Side of Multi-National Empires. Paper presented at Symposium on Political Organization of Multi-National Empires, American Ethnological Society meetings, Lexington 1982.

Political Migration as a Mechanism of Cultural Selection. Paper presented at Central States Anthropological meetings, Lexington 1982.

Mountain Refuge Area Adaptations. Paper presented in Key Symposium on Mountain Adaptations, Southern Anthropological Society meetings, Boone 1982.

Does Political Egalitarianism have a Biological Basis? Paper presented at American Anthropological Association meetings, Los Angeles 1981.

The Evolutionary Development of Morality as an Effect of Dominance Behavior and Conflict Interference. Paper presented at Conference on Law and Behavioral Research, Hutchins Center for the Study of Democratic Institutions, Monterey 1981.

Conflict Resolution in Nonhuman Primates. Paper presented at Central States Anthropological Society meetings, Cincinnati 1981.

Studying Motives Across Species: Conflict Interference in Macaques. Paper presented at Society for Cross-Cultural Research meetings, Syracuse 1981.

The Role of Women in Montenegrin Blood Feud. Paper presented at American Society for Ethnohistory meetings, San Francisco 1980.

Parasitic Selection and Group Selection: A Study of Conflict Interference in Rhesus and Japanese Macaque Monkeys. Paper presented to International Congress of Primatologists, Florence 1980.

The Development of Applied Anthropology in Undergraduate Departments. Presentation at American Anthropological Association meetings, Washington 1980.

Blood Feud Interpreted in the Light of Decision Theory. Paper presented at Southwestern Anthropological Association meetings, San Diego 1980.

Group Decisions and Group Selection at the Tribal Level. Paper presented at session on Local-Level Politics in Tribal and Peasant Communities. American Anthropological Association meetings, Cincinnati 1979.

Recurrent State Formation in a Balkan Tribal Refuge Area. Paper presented at session on Near East and Eastern Europe, American Society for Ethnohistory meetings, Cincinnati 1979.

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Rational Pre-Selection: The Importance of Adaptive Decision Process at the Group Level. Paper presented in Symposium on New Analyses in Cultural Ecology. American Anthropological Association meetings, Los Angeles 1978.

Some Problems with "Altruism" in the Search for Moral Universals. Paper presented at Symposium on Sociobiology, Northwestern University 1978.

Rational Decision Making in Adaptive Process. Paper presented in Symposium on Environment and Awareness, Central States Anthropological Society meetings, Notre Dame 1978.

Socialization and Adaptive Decision Making Process. Paper presented at session on Environmental Issues in Anthropology and Education, American Anthropological Association meetings, Houston 1977.

Heroic Epic, Moral System, and the Socialization of Warriors. Paper presented in Symposium on Non-Structural Study of Myth and Oral Tradition, American Anthropological Association meetings, Washington 1976.

An Ethnographic-Linguistic Approach to Ethnic Self-Rejection in Educational Settings. Paper presented in Symposium on the Place of Theory in Problem-Oriented Anthropology. American Anthropological Association meetings, San Francisco 1975.

The Place of Blood Feud in Moral Systems. Presentation to Chicago Anthropological Society, Chicago Field Museum 1975.

Morality and Values Antagonism. Presentation to Study Group on Morality and Education. Northwestern University 1975.

Massive Ethnolexicography. Presentation to Lexicography Study Group, Department of Linguistics, Northwestern University 1975.

The Meaning of Kajanje in Montenegrin Culture: Problems in Describing a Moral Affect. Paper presented at Ethnosemantics Session, American Anthropological Association meetings, Mexico City 1974.

### **PROFESSIONAL ACTIVITIES, Etc.**

1990 – present. Director, Goodall Research Center. Center activities include my ongoing creation of hunter-gatherer database which presently consists of 50 Pleistocene-appropriate foraging societies that have been coded in detail with respect to social, political, and supernatural behavior, and use of database for publication. Publications derived from this research have been published in **Cross-**

**Cultural Research**, in several edited volumes, in **Behavioral and Brain Sciences**, in **Science**, and in my book **Moral Origins**. Other activities include Craig Stanford's primate field research projects; my development of a website on human figures in Upper Paleolithic cave art; and archiving of Gombe field notes and chimpanzee video collection.

1994 – present. University Student Grievance Committee.

2000 - present. Liaison with Doheny Library for anthropological research materials.

2006 – present. USC Ambassadors.

2009 – present. Collaboration with the Jane Goodall Institute Roots and Shoots Program. My office at the Goodall Research Center is being used as their base of operations in Los Angeles. Also, coordination of Jane Goodall's activities at USC, with Craig Stanford.

2011 Work with Templeton Foundation to develop research initiative on conscience evolution.

2010 research collaboration with Douglas White using my hunter-gatherer data base as part of a larger project investigating the worldwide distribution of evil eye beliefs and their economic ramifications.

2008-2010 Working with Templeton Foundation to organize a twelve-person workshop on Conscience Evolution. The workshop will take place in April, 2010, in Santa Fe, New Mexico, and will include contributions by Frans de Waal, Jerome Kagan, Herb Gintis, Jonathan Turner, and others. An edited book is planned.

2002 Consultation with Andrew Marshall's Department of Defense Summer Seminar at the Naval War College on conflict mediation strategies in international affairs: use of chimpanzee and hunter-gatherer models to understand need for even-handed interventions in international politics.

Organizer, the Tyler Prize Laureate Lecture, University of Southern California, 1997. Jane Goodall was the lecturer.

1986 – 1990 Development and maintenance of Video Field Station at the Gombe Stream Research Centre, in collaboration with Dr. Jane Goodall. This field station was operated by Tanzanian field assistants at the Centre who were trained by me; it serviced the field video recorders that were used in my scientific videotaping project, for which I and field assistants trained by me collected 450 hours of visual data on wild chimpanzee behavior obtained throughout the animals' entire range of behavior. The station consisted of a research room and a fortified storage area. Technology was based on solar panel energy stored in 12 volt truck batteries, which enabled my assistants and myself to operate video players, a field monitor, and



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battery charging devices for cam-corders. The field station and videotaping project were in continuous operation for four years.

Consultant to Science Applications International Corporation, McLean, Virginia. Consulting with military and diplomatic officials on problems of ethnic conflict in Bosnia, 1993.

Academic video presentations on chimpanzee behavior: Chicago Academy of Sciences; Human Behavior and Evolution Society; American Ethnological Society; University of California, Santa Barbara; University of Southern California; University of Cincinnati; SUNY Albany; Northern Kentucky University; Cincinnati Zoo staff meeting; 1986-1992. (See under "Presentations")

Fund-raising for Jane Goodall Institute through sale of chimpanzee photographs to textbook publishers, 1990-1998.

Re-training of Tanzanian paraprofessional field assistants in scientific videotaping techniques, Gombe Stream Research Centre, summer 1988; summer 1989.

Research Associate, The Jane Goodall Institute, 1988--.

Local work on welfare of captive chimpanzees, Cincinnati 1987-1988.

Conducted formal field school at Gombe Stream Research Centre, training paraprofessional field assistants to maintain and operate 8 mm. cam-corders, summer of 1987.

Founding of Video Field Station at Gombe Stream Research Centre, Tanzania, 1986.

Photography work supplying textbook editors with pictures of wild chimpanzees, 1986--.

Fund-raising activities for Jane Goodall Institute and Leakey Foundation, 1984-1988.

Training of Tanzanian paraprofessional field assistants in audio recording and video recording techniques at Gombe Stream Research Centre, 1984-1987.

Organizer, Inter-University Seminar on Territorial Relations among Chimpanzee Groups, Northern Kentucky University 1983.

Organizer, Double-Session Symposium on Adaptive Problem Solving, American Anthropological Association meetings, Washington 1982. (With W. Durham)

Fund for the Development of Post-Secondary Education Directors' Conference, Maryland 1982.

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Consultant, FIPSE-funded Darwin Colloquium, Lafayette College 1982.

Fund for the Development of Post-Secondary Education Directors' Conference, Maryland 1981.

Consultant, NEH-funded project on Appalachian folklore, Cincinnati 1981.

Report on Northern Kentucky University's experimental Applied Program in Sociology and Anthropology, to Departmental Representatives, American Anthropological Association meeting, Los Angeles 1981.

Fund for the Development of Post-Secondary Education Directors' Conference, Indiana 1980.

Development of FIPSE-funded multidisciplinary applied program having specialized training tracks in consumer affairs, minority affairs, medicine, gerontology, corrections, and community service, aimed at developing marketable research expertise at the undergraduate level. At Northern Kentucky University 1978-1983.

Chair, Department of Anthropology, Philosophy and Sociology, Northern Kentucky University. Development of interdisciplinary academic department 1978-1984.

Participant in Sociobiology Seminar, Department of Biology, University of Cincinnati 1978-1979.

Co-Organizer, Council on Education and Anthropology session on Environmental Issues in Anthropology and Education. American Anthropological Association meetings, Houston 1977.

Organizer, Symposium on Moral Systems, American Anthropological Association meetings, Washington 1976.

Consultant, Gerald Britan Project on Evaluation of US Government Experimental Technology Incentives Program, 1976-1977.

Advisory Board, Center for Urban Affairs, Northwestern University, 1976-1978.

Consultant, New Careers in Education Program, School of Education, Northwestern University 1975-1976.

Co-Teacher of interdisciplinary graduate seminar on ethics and evolution, Northwestern University 1975. (With Donald T. Campbell in Psychology)

Organizer, Symposium on the Place of Theory in Problem-Oriented Anthropology, American Anthropological Association meetings, San Francisco 1975.

Christopher Boehm

Co-Founder and Director, Doctoral Program in Educational Anthropology,  
Northwestern University 1975-1978. (With Andrea Vierra)