

This PDF includes a chapter from the following book:

The Cognitive Animal

Empirical and Theoretical Perspectives on Animal Cognition

© 2002 Massachusetts Institute of Technology

License Terms:

Made available under a Creative Commons
Attribution-NonCommercial-NoDerivatives 4.0 International Public License

<https://creativecommons.org/licenses/by-nc-nd/4.0/>

OA Funding Provided By:

The open access edition of this book was made possible by generous funding from Arcadia—a charitable fund of Lisbet Rausing and Peter Baldwin.

The title-level DOI for this work is:

[doi:10.7551/mitpress/1885.001.0001](https://doi.org/10.7551/mitpress/1885.001.0001)

Contributors

Michael S. Alfieri

Department of Biology
Mount Allison University
New Brunswick, Canada

Colin Allen

Department of Philosophy
Texas A&M University
College Station, Texas

James R. Anderson

Department of Psychology
University of Stirling
Stirling, Scotland

Russell P. Balda

Department of Biological Sciences
Northern Arizona University
Flagstaff, Arizona

Marc Bekoff

Department of Environmental,
Population, and Organismic Biology
University of Colorado
Boulder, Colorado

Alan B. Bond

Department of Biological Sciences
University of Nebraska
Lincoln, Nebraska

Ruud van den Bos

Animal Welfare Centre
Utrecht University
Utrecht, the Netherlands

Elizabeth M. Brannon

Department of Psychology
Duke University
Raleigh, North Carolina

Gordon M. Burghardt

Department of Psychology
University of Tennessee
Knoxville, Tennessee

John A. Byers

Department of Biological Sciences
University of Idaho
Moscow, Idaho

Richard W. Byrne

Scottish Primate Research Group, School
of Psychology
University of St. Andrews
St. Andrews, Scotland

Dorothy L. Cheney

Department of Psychology and Biology
University of Pennsylvania
Philadelphia, Pennsylvania

Robert G. Cook

Department of Psychology
Tufts University
Medford, Massachusetts

Eileen Crist

Center for Interdisciplinary Studies
Virginia Polytechnic Institute
Blacksburg, Virginia

Robert O. Deaner

Department of Biological Anthropology
and Anatomy
Duke University
Raleigh, North Carolina

Michael Domjan

Department of Psychology
University of Texas
Austin, Texas

Lee Alan Dugatkin

Department of Biology
University of Louisville
Louisville, Kentucky

Anne L. Engh

Department of Zoology
Michigan State University
East Lansing, Michigan

Christopher S. Evans

Department of Psychology
Macquarie University
Sydney, Australia

PierFrancesco Ferrari

Human Physiology Institute
University of Parma
Parma, Italy

Leonardo Fogassi

Human Physiology Institute and
Department of Psychology
University of Parma
Parma, Italy

Deborah Forster

Department of Cognitive Science
University of California, San Diego
La Jolla, California

Deborah H. Fouts

Chimpanzee and Human Communication
Institute
Central Washington University
Ellensburg, Washington

Roger S. Fouts

Chimpanzee and Human Communication
Institute
Central Washington University
Ellensburg, Washington

Vittorio Gallese

Human Physiology Institute
University of Parma
Parma, Italy

Gordon G. Gallup, Jr.

Department of Psychology
State University of New York
Albany, New York

Asif A. Ghazanfar

Max Planck Institute for Biological
Cybernetics
Tübingen, Germany

Peter Godfrey-Smith

Department of Philosophy
Stanford University
Stanford, California

James L. Gould

Department of Ecology and Evolutionary
Biology
Princeton University
Princeton, New Jersey

James W. Grau

Department of Psychology
Texas A&M University
College Station, Texas

Donald Griffin

Concord Field Station
Harvard University
Bedford, Massachusetts

Lori Gruen

Department of Philosophy
Wesleyan University
Middletown, Connecticut

Güven Güzeldere

Department of Philosophy
Duke University
Raleigh, North Carolina

Brian Hare

Department of Developmental and
Comparative Psychology
Max Planck Institute for Evolutionary
Anthropology
Leipzig, Germany

Marc D. Hauser

Department of Psychology
Harvard University
Cambridge, Massachusetts

Bernd Heinrich

Department of Biology
University of Vermont
Burlington, Vermont

Louis M. Herman

Kewalo Basin Marine Mammal
Laboratory
University of Hawaii
Honolulu, Hawaii

Kay E. Holekamp

Department of Zoology
Michigan State University
East Lansing, Michigan

Bart B. Houx

Animal Welfare Centre
Utrecht University
Utrecht, The Netherlands

Robert Jackson

Department of Zoology
University of Canterbury
Canterbury, New Zealand

Dale Jamieson

Department of Philosophy
Carleton College
Northfield, Minnesota

Mary Lee A. Jensvold

Chimpanzee and Human Communication
Institute
Central Washington University
Ellensburg, Washington

Alan C. Kamil

Department of Biological Sciences and
Psychology
University of Nebraska
Lincoln, Nebraska

Colleen Reichmuth Kastak

Long Marine Laboratory
University of California, Santa Cruz
Santa Cruz, California

David Kastak

Long Marine Laboratory
University of California, Santa Cruz
Santa Cruz, California

Brian L. Keeley

Department of Philosophy
Pitzer College
Claremont, California

Evelyne Kohler

Human Physiology Institute
University of Parma
Parma, Italy

Bruce MacLennan

Department of Computer Science
University of Tennessee
Knoxville, Tennessee

Tetsuro Matsuzawa

Primate Research Institute
Kyoto University
Kyoto, Japan

Cory T. Miller

Department of Psychology
Harvard University
Cambridge, Massachusetts

Robert W. Mitchell

Department of Psychology
Eastern Kentucky University
Richmond, Kentucky

Eddy Nahmias

Department of Philosophy
Florida State University
Tallahassee, Florida

Don Owings

Department of Psychology
University of California, Davis
Davis, California

Michael J. Owen

Department of Psychology
Cornell University
Ithaca, New York

Sue Taylor Parker

Department of Anthropology
Sonoma State University
Rohnert Park, California

Sergio M. Pellis

Department of Psychology and
Neuroscience
University of Lethbridge
Alberta, Canada

Irene Maxine Pepperberg

MIT Media Lab
Massachusetts Institute of Technology
Cambridge, Massachusetts

Diego Pizzagalli

Department of Psychology
University of Wisconsin
Madison, Wisconsin

Drew Rendall

Department of Psychology and
Neuroscience
University of Lethbridge
Alberta, Canada

Jesús Rivas

Venezuela Nature Tours and National
Geographic
Jamul, California

Herbert L. Roitblat

Dolphin Search, Inc.
Ventura, California

Eric Sidel

Department of Philosophy
The George Washington University
Washington, D.C.

Laurie R. Santos

Department of Psychology
Harvard University
Cambridge, Massachusetts

Ronald J. Schusterman

Long Marine Laboratory
University of California, Santa Cruz
Santa Cruz, California

Robert M. Seyfarth

Department of Psychology and Biology
University of Pennsylvania
Philadelphia, Pennsylvania

Sara J. Shettleworth

Department of Psychology
University of Toronto
Toronto, Canada

Daniel J. Shillito

Animal Forest
Charles Towne Landing State Historic
Site
Charleston, South Carolina

Robert W. Shumaker

Smithsonian Institution
National Zoological Park
Washington, D.C.

C. N. Slobodchikoff

Department of Biological Sciences
Northern Arizona University
Flagstaff, Arizona

Barbara Smuts

Department of Psychology
University of Michigan
Ann Arbor, Michigan

Elizabeth S. Spelke

Department of Psychology
Harvard University
Cambridge, Massachusetts

Berry M. Spruijt

Animal Welfare Centre
Utrecht University
Utrecht, The Netherlands

Craig B. Stanford

Department of Anthropology
University of Southern California
Los Angeles, California

Karyl B. Swartz

Department of Psychology
Lehman College, City University of New
York
New York, New York

Charles E. Taylor

Department of Organismic Biology,
Ecology and Evolution
University of California, Los Angeles
Los Angeles, California

Herbert S. Terrace

Department of Psychology
Columbia University
New York, New York

William Timberlake

Department of Psychology and Center for
the Integrative Study of Animal Behavior
Indiana University
Bloomington, Indiana

Michael Tomasello

Department of Developmental and
Comparative Psychology
Max Planck Institute for Evolutionary
Anthropology
Leipzig, Germany

Adrian Treves

Department of Psychology and Zoology
University of Wisconsin
Madison, Wisconsin

Jacques Vauclair

Center for Research in Psychology of
Cognition, Language, and Emotion
University of Provence
Aix-en-Provence, France

Elisabetta Visalberghi

Istituto di Psicologia
Consiglio Nazionale delle Ricerche
Rome, Italy

Edward A. Wasserman

Department of Psychology
University of Iowa
Iowa City, Iowa

Andrew Whiten

Scottish Primate Research Group, School
of Psychology
University of St. Andrews
St. Andrews, Scotland

Stim Wilcox

Department of Biology
State University of New York
Binghamton, New York

Richard Wrangham

Department of Anthropology
Harvard University
Cambridge, Massachusetts

Klaus Zuberbühler

Scottish Primate Research Group, School
of Psychology
University of St. Andrews
St. Andrews, Scotland

