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EDUCATION

- 1970 "Kandidaats" in Biology, University of Nijmegen.
1973 "Doctoraal" in Biology, Univ. of Groningen, w/ Prof. G. P. Baerends.
1977 Ph.D. in Biology, Univ. of Utrecht, w/ Prof. J. A. R. A. M. van Hooff.

ACADEMIC APPOINTMENTS

- 1997 - Present Director, Living Links, Yerkes National Primate Research Center (YNPRC), Emory University.
1996 - Present Charles Howard Candler Professor of Primate Behavior, Psychology Department, Emory University.
1991 - Present Research Professor of Psychobiology, YNPRC.
1991 - Present Affiliate Scientist, Wisconsin National Primate Research Center, University of Wisconsin-Madison (WNPRC)
1996 - 2000 Director of Graduate Studies: Program in Population Biology, Ecology, and Evolution, Emory University.
1993 - 1996 Professor, Department of Psychology, Emory University
1991 - 1993 Associate Professor, Department of Psychology, Emory University.
1988 - 1991 Adjunct Associate Prof., Biol. Sciences, UW-Milwaukee
1985 - 1991 Associate Scientist, WNPRC
1989 - 1991 Affiliate Scientist, YNPRC

1982 - 1985	Assistant Scientist, WNPRC
1981 - 1982	Visiting Assistant Scientist, WNPRC
1973 - 1981	Research Associate, Laboratory of Comparative Physiology, University of Utrecht

AWARDS and HONORS

2005	American Philosophical Society (APS), Member
2005	Arthur W. Staats Award, American Psychological Foundation (APF)
2004	National Academy of Sciences (NAS), Foreign Associate
2001	APA Presidential Citation for outstanding contributions
1998	Fellow, Japan Society for the Promotion of Science (JSPS)
1996	Charles Howard Candler Chair, Emory University
1995	Fellow, Carl Friedrich von Siemens Stiftung (Germany)
1993	Royal Dutch Academy of Sciences (KNAW)
1989	Los Angeles Times Book Award for <i>Peacemaking among Primates</i>

CONFERENCE ORGANIZER IN LAST 10 YEARS

Organizer of *Primate Behavior and the Reconstruction of Human Social Evolution* conference on Human Evolution, Cold Spring Harbor (NY, 1997).

Organizer of the *Origins Symposium*, Emory University (Atlanta, 1999).

Organizer of *Animal Social Complexity and Intelligence* symposium with the Chicago Academy of Sciences and the Jane Goodall Institute (Chicago, 2000).

Co-organizer of *Emotions Inside Out* conference, New York Academy of Sciences (New York, 2002).

Co-organizer of *Biology of Trust in the Resolution of Conflict* (Atlanta, GA, 2006).

Committee *Chimpanzee Mind Conference III* (Chicago, 2007).

PUBLICATIONS

Authored Books

de Waal, F. B. M. (1982). *CHIMPANZEE POLITICS: Power and Sex among Apes*, Jonathan Cape, London (other editions by Becht, Amsterdam, 1982; Harper & Row, New York, 1983; Harnack, Munich, 1983; Allen & Unwin, London, 1984; Dobutsu-Sha, Tokyo, 1984; Laterza, Rome, 1984; Éditions du Rocher, Monaco, 1987; Johns Hopkins University Press, Baltimore, MD, 1989; Alianza, Madrid, 1993; Heibon-Sha, Tokyo, 1994; Odile Jacob, Paris, 1995).

de Waal, F. B. M. (1998) - Revised Edition of *CHIMPANZEE POLITICS*, Johns Hopkins University Press, Baltimore, MD (other edition by Contact, Amsterdam, 1999; Bada, Seoul; Det Schønbergsske Forlag, Copenhagen, in press).

de Waal, F. B. M. (1989). *PEACEMAKING AMONG PRIMATES*, Harvard University Press, Cambridge, MA (other editions by Het Spectrum, Utrecht, 1988; Rizzoli, Milan, 1990; Penguin Books, Hammondsworth, 1991; Hanser, Munich, 1991; Euroclub Italia, Milan, 1991; Flammarion, Paris, 1992; Dobutsu-Sha, Tokyo, 1993; DTV, Munich, 1993; Hainan, Haikou, in press; Saemulgyul, Seoul, in press).

- de Waal, F. B. M. (1996). *GOOD NATURED: The Origins of Right and Wrong in Humans and Other Animals*. Harvard University Press, Cambridge, MA (other editions by Contact, Amsterdam, 1996; Garzante, Milan, 1997; Hanser, Munich, 1997; Bayard, Paris, 1997; Herder, Barcelona, 1997; Soshi-Sha, Tokyo, 1998; Zmora-Bitan, Haifa, 1998; Terra Cognita, Helsinki, 1998; Konyvkiado, Budapest, 2001; Naklada Jesenki & Turk, Zagreb, 2001; Wydawnictwo Bel, Warsaw, in press; Sociologicke Nakladatelstvi, Prague, in press; China Three Gorges, Beijing, in press; Saemulgyul, Seoul, in press; Academia, Czech, in press).
- de Waal, F. B. M. (1997). *BONOBO: The Forgotten Ape*, with photographs by Frans Lanting. University of California Press, Berkeley, CA (other editions by Kosmos, Utrecht, 1997; Birkhauser, Basel, 1998; Fayard, Paris, 1999; Soshi-Sha, Tokyo, 2000).
- de Waal, F. B. M. (2001). *THE APE AND THE SUSHI MASTER: Cultural Reflections by a Primatologist*. Basic Books, New York (other editions by Contact, Amsterdam, 2001; Penguin, London, 2001; Fayard, Paris, 2001; Paidós Iberica, Madrid, 2002; Garzanti, Milan, 2002; Hanser, Munich, 2002; Hara-Shobo, Tokyo, 2002; DTV, Munich, 2005; Shanghai Scientific & Technical Publishers, Shanghai, 2005).
- de Waal, F. B. M. (2003). *MY FAMILY ALBUM: Thirty Years of Primate Photography*. University of California Press, Berkeley, CA (other editions by Fayard, Paris, 2003; Contact, Amsterdam, 2004; Nymphenburger, Munich, 2003).
- de Waal, F. B. M. (2005). *OUR INNER APE: A Leading Primatologist Explains Why We Are Who We Are*. Riverhead, New York (other editions by Contact, Amsterdam, 2005; Granta, London, 2005; Fayard, Paris, 2006; Hayakawa-Shobo, Tokyo, 2005; Gimm-Young, Seoul, 2005; Hanser Verlag, Munich, 2006; Garzanti, Milan, 2006; Svenska, Stockholm, 2005; Letras, Rio de Janeiro, in press; Rye Field, Taipei, in press; Keter Books, Jerusalem, in press; Aiora, Athens, in press; Tusquets, Barcelona, in press; Shanghai Scientific & Technical Publishers, Shanghai, in press).
- de Waal, F. B. M. (2006). *PRIMATES AND PHILOSOPHERS: How Morality Evolved*, S. Macedo & J. Ober (Eds.). Princeton, NJ: Princeton University Press (other editions by Hanser Verlag, Munich).

Edited Volumes

- de Waal, F. B. M. (1981). *SOCIOBIOLOGIE TER DISCUSSIE*, Bohn, Utrecht (Dutch).
- Harcourt, A. H., & de Waal, F. B. M. (1992). *COALITIONS AND ALLIANCES IN HUMANS AND OTHER ANIMALS*. Oxford University Press, Oxford.
- Nishida, T., McGrew, W. C., Marler, P., Pickford, M., & de Waal, F. B. M. (1992). *TOPICS IN PRIMATOLOGY, Vol. 1, Human Origins*. University of Tokyo Press, Tokyo.
- Wrangham, R. W., McGrew, W. C., de Waal, F. B. M., and Heltne, P. (1994). *CHIMPANZEE CULTURES*. Harvard University Press, Cambridge, MA.
- Aureli, F., & de Waal, F. B. M. (2000). *NATURAL CONFLICT RESOLUTION*. University of California Press, Berkeley, CA.
- de Waal, F. B. M. (2001). *TREE OF ORIGIN: What Primate Behavior Can Tell Us About Human Social Evolution*. Harvard University Press, Cambridge, MA other editions: Saemulgyul, Korea, in press).

- de Waal, F. B. M. (2002). N. N. Ladygina-Kohts: *INFANT CHIMPANZEE AND HUMAN CHILD: A Classic 1935 Comparative Study of Ape Emotions and Intelligence*. F. B. M. de Waal (Ed.). Oxford: Oxford University Press.
- de Waal, F. B. M., & Tyack, P. L. (2003). *ANIMAL SOCIAL COMPLEXITY: Intelligence, Culture, and Individualized Societies*. Harvard University Press, Cambridge, MA.
- Ekman, P., Campos, J. J., Davidson, R. J., & de Waal, F. B. M. (2003). *EMOTIONS INSIDE OUT: 130 years after Darwin's "The Expression of the Emotions in Man and Animals."* New York: New York Academy of Sciences, Volume 1000.

Peer-Reviewed Research Papers

- de Waal, F. B. M. (1975). The wounded leader: A spontaneous temporary change in the structure of agonistic relations among captive Java-monkeys (*Macaca fascicularis*). Netherlands' Journal of Zoology 25: 529-549.
- de Waal, F. B. M., J. A. R. A. M. van Hooff and W. Netto (1976). An ethological analysis of types of agonistic interaction in a captive group of Java-monkeys (*Macaca fascicularis*). Primates 17: 257-290.
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- de Waal F., & J. Hoekstra (1980). Contexts and predictability of aggression in chimpanzees. Anim. Behav. 28: 929-937.
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- Nieuwenhuisen, C., & F. B. M. de Waal (1982). Effects of spatial crowding on social behavior in a chimpanzee colony. Zoo Biol. 1: 5-28.
- de Waal, F. B. M., & D. Yoshihara (1983). Reconciliation and re-directed affection in rhesus monkeys. Behaviour 85: 224-241.
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- de Waal, F. B. M., & L. M. Luttrell (1989). Toward a comparative socioecology of the genus *Macaca*: Different dominance styles in rhesus and stump-tail monkeys. *Am. J. Primatol.* 19: 83-109.
- de Waal, F. B. M. (1990). Do rhesus mothers suggest friends to their offspring? *Primates* 31: 597-600.
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- de Waal, F. B. M. (1991). Complementary methods and convergent evidence in the study of primate social cognition. *Behaviour* 118: 297-320.
- Bauers, K. A., & F. B. M. de Waal (1991). "Coo" vocalizations in stump-tailed macaques: a controlled functional analysis. *Behaviour* 119: 143-160.
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- Parr, L. A., Hopkins, W. D., & de Waal, F. B. M. (1996). Haptic discrimination in capuchin monkeys (*Cebus apella*): Evidence of manual specialization. *Neuropsychologia* 35: 143-152.
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- de Waal, F. B. M. (1997). Food-transfers through mesh in brown capuchins. *J. Comp. Psychol.* 111: 370-378.
- de Waal, F. B. M. (1997). The chimpanzee's service economy: Food for grooming. *Evol. & Human Behav.* 18: 375-386.
- de Waal, F. B. M., & Seres, M. (1997). Propagation of handclasp grooming among captive chimpanzees. *Am. J. Primatol.* 43: 339-346.
- Judge, P. G., & de Waal, F. B. M. (1997). Rhesus monkey behaviour under diverse population densities: Coping with long-term crowding. *Anim. Behav.* 54: 643-662.
- Parr, L. A., Matheson, M. D., Bernstein, I. S., & de Waal, F. B. M. (1997). Grooming down the hierarchy: Allogrooming in captive brown capuchin monkeys, *Cebus apella*. *Anim. Behav.* 54: 361-367.

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- de Waal, F. B. M., & Embree, M. (1998). The triadic nature of primate social relationships. *Family Systems* 4: 5-18.
- Parr, L. A., Hopkins, W. D., & de Waal, F. B. M. (1998). The perception of facial expressions by chimpanzees, *Pan troglodytes*. *Evolution of Communication* 2: 1-23.
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- Call, J., Aureli, F., & de Waal, F. B. M. (1999). Reconciliation patterns among stump-tail macaques: A multivariate approach. *Animal Behaviour* 58:165-172.
- de Waal, F. B. M. (1999). The end of nature versus nurture. *Scientific American* 281 (6): 94-99.
- Lilienfeld, S. O., Gershon, J., Duke, M., Marino, L., & de Waal, F. B. M. (1999). A Preliminary Investigation of the construct of psychopathic personality (psychopathy) in chimpanzees (*Pan troglodytes*). *Journal of Comparative Psychology* 113: 365-375.
- de Waal, F. B. M. (1999). Anthropomorphism and anthropodenial: Consistency in our thinking about humans and other animals. *Philosophical Topics* 27: 255-280.
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- de Waal, F. B. M. (2000). Primates - A natural heritage of conflict resolution. *Science* 289: 586-590.
- de Waal, F. B. M., & Berger, M. L. (2000). Payment for labour in monkeys. *Nature* 404: 563.
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- de Waal, F. B. M. (26 October, 2001). Do humans alone "feel your pain"? *Chronicle of Higher Education*, pp. B7-9.
- de Waal, F. B. M. (15 Dec, 2001). Without walls. *New Scientist* 172: 46-49.
- de Waal, F. B. M. (2002). The whole mass a paradise. Review of D. S. Wilson's "Darwin's Cathedral." *Natural History* July/Aug: 74-75.
- de Waal, F. B. M. (6 December, 2002). Before Jane Goodall, there was Nadia Kohts. *Chronicle of Higher Education*, pp. B11-12.
- de Waal, F. B. M., & Brosnan, S. F. (2003). Naked apes and peeled bananas. *Science & Spirit*, March issue, p. 41.
- de Waal, F. B. M. (2003). Commentary on Robert Proctor's "Three roots of human recency." *Current Anthropology* 44: 230-231.
- Pollick, A. S., & de Waal, F. B. M. (2004) Gestural gab: Review of M. Corballis' *From Hand to Mouth*. *American Journal of Psychology* 117: 124-129.
- de Waal, F. B. M. (2003). Losing ten pounds to gain knowledge. *Pan Africa News* 10: 17-19.
- de Waal, F. B. M. (2004). Review of Kinji Imanishi's *A Japanese View of Nature*. *Int. J. Primatol.* 25 : 261-263.
- Brosnan, S. F., & de Waal, F. B. M. (2004). Reply to commentators. *Nature* 428: 140.
- de Waal, F. B. M. (2004). Peace lessons from an unlikely source. *PLOS Biology* 2: 434-436.
- de Waal, F. B. M. (2004). Brains and the beast. *Natural History* 113 (4): 53-56.
- Bonnie, K. E., & de Waal, F. B. M. (2004). A review of 'The Biology of Traditions' by D. M. Fragaszy & S. Perry (Eds.). *Ethology* 110: 576-577.

- de Waal, F. B. M. (2005, 4 June). Suspicious minds. *New Scientist* 186 (2502): 48.
- de Waal, F. B. M. (2005, Sep-Oct). All in the family. *Science & Spirit* 42-45.
- de Waal, F. B. M. (2006). The evolution of empathy. *Greater Good* 2: 6-9.
- de Waal, F. B. M. (2006, July/August). Our sentiments exactly. *Science & Spirit*: 30-31.

Submitted and in Press

- Bonnie, K. E., & de Waal, F. B. M. (in press). Unrewarded copying of others' foraging location by capuchin monkeys (*Cebus apella*). *Animal Cognition*.
- Bonnie, K. E., Horner, V., Whiten, A., & de Waal, F. B. M. (submitted). Chimpanzees acquire arbitrary action-chain traditions through observational learning. *Proc. Royal Soc. London B*.
- de Waal, F. B. M. (in press). How selfish an animal? The case of primate cooperation. *Free Enterprise*, P. Zak (Ed.). Princeton: Princeton University Press.
- de Waal, F. B. M. (in press). The Russian doll model of empathy and imitation. In: *On Being Moved - from Mirror Neurons to Empathy*, S. Bråten (Ed.). Benjamins, Amsterdam and Philadelphia.
- de Waal, F. B. M., & Bonnie, K. E. (in press). In tune with others: The social side of primate culture. *The Question of Animal Culture*, K. Laland & G. Galef (Eds.). Cambridge, MA: Harvard University Press.
- Dindo, M., & de Waal, F. B. M. (in press). Partner effects on food consumption in brown capuchin monkeys. *Am. J. Primatol.*
- Flack, J. C., & de Waal, F. B. M. (under review). Context modulates signal meaning in primate communication. *Proceedings National Academy of Sciences*.
- Plotnik, J., & de Waal, F. B. M. (in press). Cooperation. *Handbook of Animal Behavior*.
- Plotnik, J., de Waal, F. B. M., & Reiss, D. (submitted). Self-recognition in an Asian elephant. *Proceedings National Academy of Sciences*.
- Thierry, B., Aureli, F., Nunn, C. L., Petit, O., Abegg, C., & de Waal, F.B.M. (under revision). A comparative study of conflict resolution in macaques: Insights into the nature of trait co-variation. *Animal Behaviour*.
- van Wolckenten, M. L., Davis, J. M., Gong, M. L., & de Waal, F. B. M. (in press). Coping with acute crowding by capuchin monkeys (*Cebus apella*). *International Journal of Primatology*.

Audiovisual Materials

(Available through the Primate Library, Wisconsin National Primate Research Center)

- Social ethogram of the San Diego bonobos (1987).
- Vocal Repertoire of the Bonobo Compared with the Chimpanzee (1987).
- Azalea: A Rhesus Monkey with a Down's-like Syndrome (1990).
- Stumptailed Macques: Social Behavior and Communication (1991).
- Macaque Social Behavior: *M. mulatta*, *arctoides*, *nemestrina* (1998).
- Food-Sharing in Chimpanzees (1998).
- Conflict and Reconciliation in Chimpanzees (1998).

SELECTED PRINCIPAL ADDRESSES

(a complete listing of invited presentations is available upon request)

Carl Friedrich von Siemens Stiftung, Munich, GERMANY (June, 1994).
 Nobel Conference XXXII on "Apes at the End of an Age," Gustavus Adolphus College, St. Peter, Minnesota (October, 1996).
 Human Behavior and Evolution Society (HBES), Keynote, University of Arizona, Tucson, AZ (June, 1997).
 Annual de-Wied Lecture, Utrecht University, NETHERLANDS (March, 1998).
 International Society for the History, Philosophy, and Social Studies of Biology, Presidential Speaker, Oaxaca, MEXICO (July, 1999).
 Association of Politics & Life Sciences (APLS), Keynote, Atlanta (Sept, 1999).
Annual Hilldale Lecture, University of Wisconsin-Madison (March, 2000).
 American Psychological Association (APA), Plenary Keynote, San Francisco, CA (August, 2001).
 American Anthropological Association (AAA), Decade of Behavior Distinguished Lecture, Washington, DC (November, 2001)
 First Imanishi-Itani Memorial Lecture, Kyoto, Japan (Feb, 2002).
 European Conf. on Behavioural Biology, Special Keynote, Münster, GERMANY (August, 2002).
 NWO Huygenslezing (national science lecture), The Hague, NETHERLANDS (October, 2002).
Irvine Memorial Lecture, St. Andrews University, Scotland, UK (Oct. 2003).
Tanner Lectures, Princeton University, Princeton (November, 2003).
Opening Address, Int. Society for Behavioural Development (ISBD), Gent, Belgium (July, 2004).
Keynote Address, Primate Society of Great Britain (PSGB), Liverpool, UK (March, 2005).
H. L. Teuber Lecture, Massachusetts Institute of Technology, Boston, MA (Dec. 2005).
 International Society for Research on Emotions (ISRE), Keynote, Atlanta (August, 2005).
 Nederlandse Vereniging voor Psychiatrie, Keynote, Maastricht, Netherlands (November, 2006).
 The Linnaeus Lecture, University of Uppsala, Sweden (March, 2007).
 Carl Friedrich von Siemens Stiftung, Munich, GERMANY (February, 2007).

OUTSIDE RESEARCH AWARDS & FELLOWSHIPS LAST 5 YEARS

National Science Foundation for experiments on partner-choice in cooperation among capuchin monkeys (\$280,000 for 3 years, August, 2000).
 Co-PI on a grant from the LSB Leakey Foundation to study cooperation among chimpanzees (\$6,000 for 1 year, May, 2001).
 Institute for Research on Unlimited Love, a study of chimpanzee expressions of empathy (\$60,000 for 2 years, January, 2003).
 National Science Foundation for experiments on reactions to inequity among capuchin monkeys (\$455,000 for 4 years, August, 2003).

Awards for Mentored Graduate Students

NSF Graduate Fellowship, Colleen Gault (2005).
 Woodruff Graduate Fellowship (Emory), Colleen Gault (2005).
 Leakey Foundation Research Grant, Amy Pollick (2003).
 Wenner-Gren Individual Research Grant, Amy Pollick (2003).
 Dean's Teaching Fellowship, Sarah Brosnan (2003).
 Wenner-Gren Dissertation Fellowship, Jessica Flack (2002).
 NSF Graduate Fellowship, Kristin Bonnie (2002).
 APA's Frank A. Beach Award in comparative psychology, Lisa Parr *et al.* (2000).
 NSF Graduate Fellowship, Amy Pollick (2001).
 Woodruff Graduate Fellowship (Emory), Amy Pollick (2000).

NSF Graduate Fellowship, Sarah Brosnan (1999).
 NSF Doctoral Dissertation Improvement Award, Lisa Parr (1998).
 H. F. Guggenheim Foundation Dissertation Fellowship, Peter Verbeek (1996).
 American Association of University Women Fellowship, Ann Weaver (1996).
 Woodruff Graduate Fellowship (Emory), Ann Weaver (1992).

ACADEMIC REVIEW

2004 - Present	Editorial Board, <i>Greater Good</i> (magazine)
2004 - Present	Editorial Board, <i>Journal of Ethology</i>
2003 - Present	Editorial Board, <i>PLoS Biology</i>
2001 - Present	Editorial Board, <i>Evolutionary Psychology</i> (http://human-nature.com/ep/)
1998 - Present	Editorial Board, <i>Primates</i>
1997 - Present	Editorial Board, <i>Primatologie</i> (French)
1995 - Present	Editorial Board, <i>International Journal of Primatology</i>
1993 - Present	Editorial Board, <i>Journal of Comparative Psychology</i>
1991 - Present	Editorial Board, <i>Politics and the Life Sciences</i>
2000	NSF Animal Behavior (IBN) grant review panel
1997 - 2003	Associate Editor, <i>American Journal of Primatology</i>
1988 - 1993	Consulting Editor, <i>Zoo Biology</i>
1985 - 1988	Editorial Board, <i>Animal Behaviour</i>
1980 - 1982	Editorial Board, <i>De Levende Natuur</i> (Dutch)

Ph. D. Theses (Co-)Supervised (exam year)

Dr. Peter Verbeek (1996)
 Dr. Amy R. Parish (1996)
 Dr. Ann Ch. Weaver (1999)
 Dr. Lisa A. Parr (2000)
 Dr. Jessica C. Flack (2003)
 Dr. Sarah F. Brosnan (2004)
 Dr. Sarah Poss (2005)
 Dr. Amy S. Pollick (2006)

Post-doctoral (Co-)Advisor

Dr. Peter Judge (1989-1994)
 Dr. Filippo Aureli (1993-2000)
 Dr. Signe Preuschoft (1999-2002)
 Dr. Peter Nelson (2000-2003)
 Dr. Victoria Horner (2003-present)

Current Graduate Students

Colleen Gault
 Jennifer Pokorny
 Joshua Plotnik
 Kristin Bonnie