

Candland, D. K. *Emotion--Bodily Change*. Princeton: Van Nostrand, 1963.

Documentary Films:

National Geographic: "Feral Children". Filmed in Uganda, 2006, premier, March 19, 2007.

BBC (4) "The Boy who was Raised with Monkeys". October 1999.

CBS "Evening news with Dan Rather."

BBC (4) "The Rise and Rise of Animals Rights," two parts, (commentator on changes in Public perception of animals), October, 2000.

BBC (1) Interview on feral children, October 2001

Clips from "The Boy..." used on Discovery, Believe it or Not.

ARTES, French Television. *Le Compagne Taxi-Brousse*, January, 2005.

Russian State Television, "Science and Insight", January, 2005

Education:

B.A., Pomona College, 1956 with Honors. (1955-56; undergraduate research grant, Social Science Research Council.)

Ph.D., Princeton University, 1959. (1958-59, Predoctoral Research Fellow, National Institute of Mental Health.)

Professional Experience:

Assistant Professor of Psychology, Bucknell University, 1960-64.

Associate Professor of Psychology, Bucknell University, 1964-67.

Professor of Psychology, Bucknell University, 1967-Present.

Presidential Professor, 1973-1980.

Professor of Psychology and Animal Behavior, Bucknell University, 1985-2002.

Director, Program in Animal Behavior, Bucknell University, 1967-2002.

Homer P. Rainey Professor of Psychology and Animal Behavior emeritus, 2002.

Research Fellowships:

Postdoctoral Research Fellow, National Institute of Health, 1959-60, at Princeton University (with B.A. Campbell) and the University of Virginia (with F.W. Finger).
Postdoctoral Fellow, National Science Foundation, 1967-68, at Delta Regional Primate Research Center of Tulane University (with W.A. Mason).
Special Research Fellow, 1968-69, National Institute of Health, at the Pennsylvania State University (with C.R. Carpenter).

Professorships:

Visiting Professor, University of Stirling, Stirling, Scotland, 1972-73.
Visiting Professor, National Science Foundation, at the Applied Psychology Unit, National Research Council, Cambridge University, 1977-78.
Fulbright Fellow, Indo-American Program, University of Mysore, India, 1983.
Visiting Scholar, University of California at Berkeley, 1996-1997.

Educational Administrative Experience:

Chair, Program in Animal Behavior, Bucknell University, 1969-2002.
Chairman, Coordinating Committee on the Social Sciences, 1974-1977.
Chairman, Department of Psychology, Bucknell University, 1970-1974, 1991-1992.
Director, NSF-CAUSE Program to develop program in Environmental Science, 1978-1981.
Director of Graduate Studies, Bucknell University, 1962-1964.
Director, Knight Fellowship Program, 1991-1996

Teaching Awards:

Award for Distinguished Teaching in Psychology for 1978. (*American Psychologist*, 1979, 34, 82-83).
Animal Behavior Society Award for "distinguished contributions in teaching animal behavior." 1999.
Christian Lindback Award for Distinguished Teaching (1971).
Class of 1956 Lectureship for Inspirational Teaching (1971).

Other

Harriman Award for contribution to intellectual life (1979).
President's Invited Address, American Psychological Association, Washington, 1986.
"Revolution and rebellion in the teaching of psychology."

Directorships:

American Psychological Foundation Award for distinguished contribution to education in Wildlife Preservation Trust International, 1985-2000. Chair, Conservation Committee, 1991-1994.
DuMond Conservancy, Goulds, Florida, 1990-1994.
Discipline Advisory Committee, Fulbright Program (1991-1992; Chair, 1992-1995).
Advisory Trustee: The Wilds. 1999-

Chapters in Books:

- Candland, D. K. Autobiography. In "Psychology's Best Teachers", Ed: William Buskitt, 2006.
- Candland, D. K. & Bush, S. L. Primates and Behavior. In Gibbons, E., Durrant, B. and Demarest, J. (eds.), Conservation of Endangered Species in Captivity. State University of New York Press, 1995, pp. 521-551.
- Candland, D. K. Towards a psychology of variance: Ethnic minorities (Chapter 5). In J. McGovern (ed.) Handbook for Enhancing Undergraduate Education. Washington: American Psychological Association, 1994.
- Candland, D. K. Tool use. Vol. 2B, of Comparative Primate Biology. J. Erwin, ed. New York: Liss, 1987, 85-103.
- Candland, D. K. & Kyes, R. C. The human primates' theory of the primate mind. Vol. 2, Primate Ontogeny, Cognition and Social Behavior. Else, G. & Lee, P. (eds.) Cambridge: Cambridge Press, 1986, pp. 25-29.
- Candland, D. K. The teaching of psychology. Chapter in Applied Specialties in Psychology. E. Altmaier and M. Meyer (eds.) New York: Random House, 1985, pp. 175-203.
- Candland, D. K. Contributor to Honacki, J. H., Kinman, K. E., & Koepl, J. W. (eds.) Mammal species of the world: a taxonomic and geographic reference. The Order Primates, pp. 216-243. Lawrence, Kansas: Allen Press, 1982.
- Eberhart, J. A. and Candland, D. K. A preliminary model of primate intergroup encounters. The biology of aggression. In the Biology of Aggression. Brain, P. F. and Benton, D. (eds.) Rockland, Md.: Sijthoff and Noordhoff, 1981, pp. 577-583.
- Candland, D. K., French, J. A., and Johnson, C. N. Object-play: Test of categorized model by the genesis of object-play in *Macaca fuscata*. In Smith, E. O. (ed.), Play in Primates. New York: Academic Press, 1978, 259-296.
- Candland, D. K. and Leshner, A. I. A model of agonistic behavior: Endocrine and autonomic correlates. In L. DiCara (ed.), The Limbic and Autonomic Nervous Systems. London: Plenum, 1974, 137-163.
- Candland, D. K. The ontogeny of emotional behavior. In Moltz, H. (ed.), The Development of Vertebrate Behavior. New York: Academic Press, 1971, 94-146.
- Candland, D. K. and Nagy, Z. M. The open field: Some phylogenetic data. In Annals of the New York Academy of Sciences. "Experimental approaches to the study of emotional behavior." 1969, 159, 831-851.

Bachrach, A. J., Candland, D. K., and Gibson, Janice T. Verbal behavior. In Berg, I. A. and Bass, B. M., *Conformity and Deviation*. New York: Harper, 1961, 258-285.

Vernon, J. A., McGill, T. E., Gulick, W. L., and Candland, D. K. Effects of sensory deprivation on some perceptual and motor skills. In Solomon, R. (ed.), *Sensory Deprivation*. Cambridge: Harvard Press, 1961, 41-57.

Prefaces; Introductions in Books:

Preface to "The Incunabular Tarzan," Dodds, G. (ed.) *The Incunabular Tarzan Writings*. With an introduction by Brian Stableford ; an essay by Douglas Candland ; collected and edited by Georges Dodds. Shelburne, Ontario, Canada : Battered Silicon Dispatch Box, 2003.

Foreword to "Handbook of Comparative Psychology," Greenberg, G. and Haraway, M. (Eds.). Garland, xiii-xvi, 1998.

American Encyclopedia. "Feral Children."

Foreword to re-issue of Roger Shattuck "The Forbidden Experiment." New York and Tokyo: Kodansha, 1994.

O'Brien, D. and Candland, D. K. Foreword to Brozek, J. "Explorations in the History of Psychology in the United States." Lewisburg, PA: Bucknell Press, 1983.

Candland, D. K. Preface and afterword to "Classical Psychophysics and Scaling" by S. A. Manning and E. H. Rosenstock. New York: McGraw-Hill, 1968. Translations. *Psicofísica Clássica*. (Editora Pedagógica e Universitária Ltda. Sao Paulo, 1974); *Elaboración de escales de actitudes y psicofísica clásica*. (Editorial trillas, México City, 1978).

Journals:

Candland, D.K., *The Animal Mind and Conservation of Species: Knowing what animals know*. Special Section on Animal Behaviour, *Current Science*, UK, 10 Oct 2005, 89. mu,ner 7, 1122-1127.

Smith, B. R. Piel, A.K., and Candland, D.K. Numerity of a Socially-housed Hamadryas baboon (*Papio hamadryas*) and a Socially Housed Squirrel Monkey (*Saimiri sciureus*). *Journal of Comparative Psychology*, 2003, 17, 217-225.

McHenry, T., Brady, W., Candland, D., Echeverria, J., Ferguson, J., Jensen, J., Koontz, F., Jolly, A., Mars, V., Model, A., Pearl, M., Tuten, J., Trust International's Conservation Perspective and Strategic Directors. *Dodo*, 1999, 35, 116-123.

Candland, D.K. Reflections on reading the first sentence. *Consciousness and Cognition*, 1995, 4, 248-250.

- Candland, D.K. Comment on "The Nature of Emotion" by E.A. Salzen. *International Journal of Comparative Psychology*, 1991, 5, 89-90.
- Candland, D.K. Captivity as torture. *Humane Innovations and Alternatives*, 1991, 5, 294-299.
- Candland, D. K. & Judge, P. G. Visual (social perception) categories of *Macaca fuscata* and *Papio hamadryas*. *Primate Today*. Amsterdam: Elsevier, Ehara, A., Kimura, T., Takenaka, O. & Iwamoto, M. (eds.), 1991, 289-292.
- Candland, D. K. Dated Behavior Films: A Teaching Opportunity. *Perspectives on Film and Video*. Fall, 1988, 14-17.
- Kyes, R. C. & Candland, D. K. Baboon (*Papio hamadryas*) visual preferences for regions of the face. *Journal of Comparative Psychology*, 1987, 101, 345-348.
- Candland, D. K. Unnatural selection. *Teaching of Psychology*, 1987, 14, 151-155.
- Martau, P. A., Caine, N. G. & Candland, D. K. Nonhuman primate emotionality: Reliability of the Emotions Profile Index, primate form, with *Papio hamadryas*, *Macaca fuscata*, and *Saimiri sciureus*. *Primates*, 1985, 26, 501-505.
- Candland, D. K. Selective pressure and the teaching of psychology; the fox and the hedgehog. *Teaching of Psychology*, 1982, 8, 20-23.
- Weinberg, S. & Candland, D. K. "Stone-grooming" in *Macaca fuscata*. *American Journal of Primatology*, 1981, 1, 465-468.
- Candland, D. K. Common Ground. *Monitor* of the American Psychological Association, January, 1981.
- Candland, D. K. The status of comparative psychology. *Comparative Psychology Newsletter*, 1981, 1(4), 1-3.
- Candland, D. K. & Hoer, J. B. The logical status of dominance. *The Behavioral and Brain Sciences*, 1981, 4, 436-437.
- Candland, D. K. Speaking words and doing deeds. *American Psychologist*, 1980, 35, 191-198.
- Candland, D. K., Blumer, E. S. & Mumford, M. D. Urine as a communicator in a new world primate, *Saimiri sciureus*. *Animal Learning and Behavior*, 1980, 8, 468-480.
- Candland, D. K. Cognition and consciousness in nonhuman species. How the animals lost their minds. *The Behavioral and Brain Sciences*, 1978, 4, 555-629.
- Candland, D. K., Dresdale, L., Leshner, A., Cahill, B., Eberhart, J., & O'Connor, K. Behavior of unacquainted *Saimiri* troops upon meeting: A suggestive case study. *Primates*, 1978, 19, 782-795.

- Candland, D. K. & Kerr, S. The Cross-Generational project at Bucknell University: Older students in an educational setting. National Council for the Social Studies, 1977, 494-497.
- Candland, D. K., Leshner, A. I., Dresdale, L., & O'Connor, K. Behavioral and hormonal correlates of groups of *Saimiri* meeting and fusing. (Chivers, D., and Herbert, J., eds.). Recent Advances in Primatology, London: Academic, 1976, 599-600.
- Candland, D. K., Weldon, P. J., O'Connor, K., & Lorinc, G. Creative manipulation of the environment by *Macaca fuscata*, (Chivers, D. and Herbert, J., eds.). Recent Advances in Primatology, London: Academic, 1976, 965-966.
- Monogue, K., Leshner, A. I., & Candland, D. K. Dominance status and adrenocortical reactivity to stress in squirrel monkeys. Primates, 1975, 16, 457-463.
- Candland, D. K. & Leshner, A. I. Socialization and adrenal functioning in the squirrel monkey. Contemporary Primatology (Kondo, S., Kawai, M., and Ehara, A., eds.). Basle: Karger, 1975, pp. 238-244.
- Candland, D. K., Dresdale, L., Leiphart, J., Bryan, D., Johnson, C., & Nazar, B. Social structure of the squirrel monkey (*Saimiri sciureus*, Iquitos): Relationships among behavior, heartrate, and physical distance. Folia Primatologica, 1973, 20, 211-240.
- Candland, D. K., Tyrrell, D. S., Wagner, D. S., & Wagner, N. M. Social preference of the squirrel monkey (*Saimiri sciureus*). Folia Primatologica, 1973, 19, 437-449.
- Leshner, A. I. & Candland, D. K. The hormonal basis of aggression. New Scientist, 1973, 57, 18 Jan (126).
- Candland, D. K., Geiger, W. C., & Bell, J. A field cage for old world primates designed to encourage natural behavior. Primates, 1972, 13, 315-322.
- Candland, D. K. Changes in heartrate during social organization of the squirrel monkey (*Saimiri sciureus*). In proceedings of the Third International Primatological Congress. Kummer, H. (ed.). Basle: Springer/Verlag, 1971, 172-179.
- Leshner, A. I. & Candland, D. K. Endocrine effects of grouping and dominance rank in squirrel monkeys. Physiology and Behavior, 1972, 8, 441-445.
- Candland, D. K., Dresdale, L., Leiphart, J., & Johnson, C. Video-tape as a replacement for the human observer in studies of nonhuman primate behavior. Behavioral Research and Instrumentation, 1972, 4, 24-26.
- Candland, D. K., Bryan, D. C., Kopf, K., Nazar, B. L., & Sendor, M. Squirrel monkey heartrate change during formation of status orders parallels the function found in chickens. Journal of Comparative and Physiological Psychology, 1970, 70, 417-423.

- Candland, D. K. Discriminability of the facial regions used by the domestic chicken in maintaining the social dominance order. *Journal of Comparative and Physiological Psychology*, 1969, 69, 281-285.
- Candland, D. K., Taylor, D. B., Solow, S. P., Leiphart, J. M., & Dresdale, L. Heart rate and aggression in the domestic chicken (White Leghorn). *Journal of Comparative and Physiological Psychology*, 1969, 67, 70-76.
- Candland, D. K. & Mason, W. A. Infant monkey heartrate: Habituation and effects of social substitutes. *Developmental Psychobiology*, 1968, 1, 254-256.
- Candland, D. K., Matthews, T. J., & Taylor, D. B. Factors affecting the reliability of dominance orders in the domestic chicken (White Leghorn). *Journal of Comparative and Physiological Psychology*, 1968, 66, 168-174.
- Candland, D. K. & Conklyn, D. H. Social dominance and learning in the domestic chicken. *Psychonomic Science*, 1968, 11, 247-248.
- Candland, D. K. Heartrate and dominance in chicken and squirrel monkey. *American Zoologist*, 1968, 8, 739-740 (a).
- Candland, D. K., Pack, K. D., & Matthews, T. J. Comparison of heartrate and defecation frequency as measures of rodent emotionality. *Journal of Comparative and Physiological Psychology*, 1967, 64, 146-150.
- Candland, D. K. & Manning, Sidney A. Elementary learning patterns in mental retardates. *The Training School Bulletin*, 1966, 63, 57-99.
- Candland, D. K. & Milne, D. W. Species differences in approach behaviour as a function of developmental environment. *Animal Behaviour*, 1966, 14, 539-545.
- Candland, D. K. & Matthews, T. J. Prediction of dominance rank from heart rate of the domestic fowl. *American Zoologist*, 1966, 6, 584 (a).
- Candland, D. K. & Taylor, Derek B. The aggression ratio: A measure of aggressiveness in domestic fowl. *American Zoologist*, 1966, 6, 584 (a).
- Candland, D. K., Culbertson, J. L., & Moyer, R. S. Parameters affecting adaptation to and retention of open-field elimination in the rat. *Animal Behaviour*, 1965, 12, 46-52.
- Candland, D. K., Nagy, Z. M., & Conklyn, D. H. Emotional behavior in the domestic chicken (White Leghorn) as a function of age and developmental environment. *Journal of Comparative and Physiological Psychology*, 1962, 56, 1069-1073.
- Candland, D. K., Horowitz, S. H., & Culbertson, J. L. Acquisition and retention of acquired avoidance with gentling as reinforcement. *Journal of Comparative and Physiological Psychology*, 1962, 55, 1062-1064.

- Candland, D. K. & Campbell, B. A. Development of fear in the rat as measured by behavior in the open-field. *Journal of Comparative and Physiological Psychology*, 1962, 55, 593-596. Reprinted in Endler, N. S., et al. *Contemporary Issues in Developmental Psychology*. New York: Holt, 1968.
- Candland, D. K. & Conklyn, D. H. Use of the oddity problem in teaching mentally retarded deaf-mutes to read: A pilot study. *The Training School Bulletin*, 1962, 59, 38-41. Reprinted in Smith, W. I. and Moore, J. W. *Learning and Conditioning*. New York: McGraw-Hill, 1966. Reprinted in Fusfeld, I. S. *A Handbook of Readings in Education of the Deaf and Postschool Implications*. Springfield, Ill.: Thomas, 1967.
- Candland, D. K. & Campbell, B. A. Effects of prior shock on the emotionality of young rats in an open field. *Canadian Journal of Psychology*, 1961, 15, 1-5.
- Candland, D. K., Faulds, B. D., Thomas, D. B., & Candland, M. H. The reinforcing value of gentling. *Journal of Comparative and Physiological Psychology*, 1960, 53, 55-58.
- Vernon, J. A., McGill, T. E., Gulick, W. L., & Candland, D. K. Effect of sensory deprivation on some perceptual and motor skills. *Perceptual and Motor Skills*, 1959, 9, 91-97.
- Bitterman, M. E., Wodinsky, J., & Candland, D. K. Some comparative psychology. *American Journal of Psychology*, 1958, 71, 94-110.

Major Book Reviews:

- John Buridan's Ass and the Problem of Rationality. *Rational Animals?* (S. Hurley and M. Nudds, Eds). *PsycCRITIQUES*. February 28, 2007.
- Cognitive Development in Chimpanzees. (Matsuzawa, T Tomonaga, M, and M. Tanaka Eds.) *International Journal of Primatology*, 2007,
- Animal Bodies, Human Minds. (Hillix and Rumbaugh). *American Journal of Primatology*, 2006, 68, 513-516.
- Perspectives on Imitation: From Neuroscience to Social Science. Vol. 1 and 2: *Imitation, Human Development, and Culture*. (Hurley and Chater (Eds.). *PsycCRITIQUES*, 50, no 49, 2005.
- Birth of the Mind. (G. Marcus). *Contemporary Psychology*, 2004 (*PsycCRITIQUES* , November, 2004).
- Pretending and Imagination in Animals and Children. (Mitchell, R. W. Ed.). *Ethology*, 2003.
- Animal Models of Human Psychology, Critique of Science, Ethics, and Policy. (K. J. Shapiro) with A. K. Piel, *Contemporary Psychology*, 2001, 46, 213-215.

- Anthropomorphism, Anecdotes, and Animals. (R. W. Mitchell, N. S. Thompson & L. Miles, eds.) *Contemporary Psychology*, 1998, 43, 357-358.
- The New Anthropomorphism. (J.S. Kennedy, ed.) *Contemporary Psychology*, 1993, 38, 1039-1040.
- Cognitive Ethology, essays in honor of Donald Griffin. (Carolyn Ristau, ed.) *Contemporary Psychology*, 1991, 36, 941-943.
- Machiavellian Intelligence: Social expertise and the evolution of intellect in monkeys, apes and humans. (C. R. Byrne & A. Whiten, eds.) *Contemporary Psychology*, 1990, 35, 266-267).
- Primate Societies. (B. B. Smuts, D. L. Cheney, R. M. Seyfarth, R. W. Wrangham & T. T. Struhsaker) *Contemporary Psychology*, 1988, 33, 578-580.
- Aggression; the myth of the beast within. (J. Klama (pseudo)) *International Journal of Comparative Psychology*, 1988, 1, 206-209.
- Exploration in Animals and Humans. (A. J. Archer & L. Birke) *Contemporary Psychology*, 1984, 29, 229-230.
- How Animals Communicate. (T. A. Sebeok) *Contemporary Psychology*, 1979, 24, 865-867.
- Motivation: Theories and Principles. (R. C. Beck) *Contemporary Psychology*, 1978, 23, 383-384.
- The rat: A study in behavior. (S. A. Barnett) *Contemporary Psychology*, 1979, 24, 791.
- The Experimental Analysis of Behavior: A Biological Perspective. (C. E. Fatino and C. A. Logan) *The Quarterly Review of Biology*, 1980, 55, 205-206.
- A practical guide to behavioral research. (R. Somer and B. Somer) *Contemporary Psychology*, 1981, 26, 465.

Activities:

- Chairman, Policy and Planning, Animal Behavior Society, 1979-82.
- President, Division 2, of the American Psychological Association (The Teaching of Psychology), 1976-77.
- Member, Advisory Board to Department of Psychology, Princeton University, 1970-84.
- Consultant on programs on aging, Fund for the Improvement of Postsecondary Education.
- Consultant to "Alternative Employment Opportunities for the Elderly," OEO.
- Governor's Committee on Mental Health and Mental Retardation.
- Secretary, Pennsylvania Psychological Association, 1963-64.

President, Academic Division, Pennsylvania Psychological Association, 1965-66.

Research Support:

National Science Foundation (1966-69; 1971-73; 1977-79; 1985-88)
National Institute of Mental Health (1960-64; 1974-76)
U. S. Office of Education (1975-77)
Fund for the Advancement of Postsecondary Education
NSF-URP: Fifteen summer institutes in psychology, animal behavior, and species conservation
NSF Equipment: five awards
NIMH graduate training: ten years
Surdna Foundation
Merrill Trust

Invited Addresses, recent years:

University of Mysore, India
American Psychological Association: Celebrating the Centennial: The Search for the Animal Mind
University of California at Berkeley
Princeton University
Cambridge University
Oxford University
University of Strathclyde, Glasgow
University of Sussex
Mysore (India) Zoological Society
St. Andrews
University of Aberdeen
University of Mysore (India)
Institute of Animal Behavior--Rutgers
Columbia University
New York Academy of Sciences
Pomona College
Franklin & Marshall College
Kenyon College (distinguished scholar visitor)
Great Lakes Consortium of Colleges
University of California (Riverside)
University of California (Davis)
St. John's College
University of Minnesota (St. Cloud)
Harvard University and Center for World Religions. The United Nations: Program on ecology and religion.

Memberships:

American Psychological Associations [Fellow of Divisions 1 (General), 2 (Teaching), 3 (Experimental) 6 (Comparative), 26 (History); (1958-)
American Psychological Society (Charter Fellow 1989-)

American Society of Primatologists
Animal Behavior Society
British Psychological Association (honorary member)
Phi Beta Kappa

Listings:

Who's Who, Who's Who in the World, Contemporary Authors, American Men & Women of Science (Biological), British/American Author, International Biography