

CURRICULUM VITAE
Euclid O. (Neal) Smith, Ph.D.

Address:

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Education:

Mississippi State University

Major: Sociology; Minor: Anthropology
Degree: B.A., 1969

University of Georgia

Specialty: Physical Anthropology
Degree: M.A., 1972
Thesis: *Relationship of Age to Social Behavior in Male Pigtail Macaques*
(Macaca nemestrina)

Ohio State University

Specialty: Physical Anthropology, Primate Behavior, Paleoanthropology
Degree: Ph.D., 1977
Dissertation: *Social Play in Rhesus Macaques, Macaca mulatta*

Professional Appointments:

2003-date Professor, Department of Anthropology, Emory University
1983-2003 Associate Professor, Department of Anthropology, Emory University
1993-1999 Allied Faculty Member, Yerkes Regional Primate Research Center, Emory University
1987-1993 Affiliate Scientist, Institute of Primate Research and National Museums of Kenya,
Nairobi, Kenya
1984-1993 Associate Research Professor, Yerkes Regional Primate Research Center, Emory
University
1983-1985 Adjunct Associate Professor, Department of Biology, Emory University
1977-1984 Assistant Research Professor, Yerkes Regional Primate Research Center, Emory
University

Professional Appointments (continued):

- 1979-1983 Adjunct Assistant Professor, Department of Biology, Emory University
1976-1983 Assistant Professor, Department of Anthropology, Emory University
1975-1977 Research Associate, Yerkes Regional Primate Research Center, Emory University
1975-1976 Temporary Instructor, Department of Sociology and Anthropology, Emory University
1975 Part-time Instructor, Department of Anthropology, Georgia State University
1974 Part-time Instructor, Department of Anthropology, Georgia State University
1974 Temporary Instructor, Department of Sociology and Anthropology, Emory University
1972-1974 Teaching Assistant, Department of Anthropology, Ohio State University
1971-1972 Instructor, Department of Sociology and Anthropology, University of Tennessee at Martin
1969-1971 Teaching Assistant, Department of Anthropology, University of Georgia

Additional Research Experience:

- 1970 Yerkes Regional Primate Research Center Field Station, Emory University. Study of a captive group of *Macaca nemestrina* as partial fulfillment for M.A. degree at the University of Georgia, I. S. Bernstein (advisor)
1973-1974 Angaur, Palau Islands, Micronesia. Initial field study of the ecology and population density of *Macaca fascicularis*, F E. Poirier (advisor).
1976-1983 Yerkes Regional Primate Research Center Field Station, Emory University. Study of the effects of psychoactive drugs on the social behavior of group living stump-tail macaques (*Macaca arctoides*).
1986-1993 Tana River Primate Reserve, Kenya. Field study of the behavioral ecology of free-ranging baboons (*Papio cynocephalus*).
1992-date Theoretical research on the evolution of human behavior, including research on reproductive strategies among modern humans as a reflection of our evolutionary heritage. Research on evolutionary origins of modern human medical conditions.

Grants and Awards:

- 1972 Stipend, University of Tennessee at Martin for innovative teaching in Anthropology
1972-1975 Three-year fellowship, Graduate School and Department of Anthropology, Ohio State University
1978 Grant, Center for Instructional Computing, Emory University, for the development of Computer Assisted Instruction in Physical Anthropology
1978-1981 Grant No. 1 R01 DA02128, National Institute on Drug Abuse, "Effects of Drugs in Social Groups of Primates" (\$267,037)
1981-1982 Biomedical Research Support Grant, Emory University Graduate School, "Effects of Drugs in Social Groups of Primates" (\$5,750)
1981-1982 Grant-in-Aid, Emory University Graduate School, "Behavioral Effects of Drugs on Captive Group-Living Primates" (\$7,268)

Grants and Awards (continued):

- 1982-1985 Grant No. 2 R01 DA02128 04A1, National Institute on Drug Abuse, "Effects of Drugs on Group Behavior" (\$187,896)
- 1985-1986 Grant No. 5 R01 DA02128 06A1, National Institute on Drug Abuse, "Effects of Drugs on Group Behavior" (\$97,651)
- 1986-1987 Biomedical Research Support Grant, Emory University Graduate School, "Lactose Absorption and Behavior in Infant Chimpanzees (*Pan troglodytes*)" (\$10,000)
- 1986-1988 Grant No. BNS-8610531, National Science Foundation, "Behavioral Ecology of the Tana River Red Colobus" (\$9784) [dissertation improvement grant for Barbara S. Decker]
- 1987-1990 Grant, Emory University and Yerkes Regional Primate Research Center, Tana Primate Project (\$150,000)
- 1988-1989 Grant, Emory University Research Committee, "Male Migration in Savanna Baboons (*Papio cynocephalus cynocephalus*)" (\$10,000)
- 1990-1992 Grant No. BNS-8921006, National Science Foundation, "Male Migration in Yellow Baboons (*Papio cynocephalus*) in the Tana Primate Reserve" (\$234,000)
- 1998-1999 Grant, Emory University Teaching Fund, "Technology in the Classroom," (\$1,500)
- 1999-2000 Grant, Emory University, Information Technology Division, "Integration of Real Time Video into Classroom Lectures" (\$5,850)
- 2000 Grant, Emory University, International Travel Fund Committee, declined (\$1,200)
- 2004 Grant, Emory University, New Research Initiatives Fund, "Sexual selection and mate attractiveness as revealed through fMRI" (\$28,000) [with James Rilling].

Honors:

- 1978-1989 American Men and Women of Science
- 1982 Who's Who in Georgia
- 1983-1994 Who's Who in the South and Southwest
- 1994-1995 President, Sigma Xi, The Scientific Research Society, Emory Chapter

Editorial Activities:

- 1984-1994 Associate Editor, *American Journal of Primatology*
- 1978-date Corresponding Associate Commentator, *Behavioral and Brain Sciences*
- 1978-date Corresponding Associate, *Current Anthropology*
- 1980-date Occasional Reviewer, *American Journal of Physical Anthropology*, *International Journal of Primatology*, *Science*, *American Anthropologist*, *American Journal of Primatology*, *Infant Behavior and Development*, *Evolution of Communication*, *Oxford University Press*, *Cambridge University Press*
- 1987-1989 Book Review Editor, *American Journal of Primatology*

Professional Memberships:

American Anthropological Association
American Association for the Advancement of Science
American Association of Physical Anthropologists
Association for Politics and the Life Sciences
Human Behavior and Evolution Society
International Society for the Study of Human Ethology
National Association of Scholars
Sigma Xi
Society for the Study of Human Biology

Committee Memberships - Professional Societies:

1976-1977 American Society of Primatologists, Nominating Committee
1980-1982 American Society of Primatologists, Education Committee
1981-1982 International Society of Primatologists, Program Committee
1982-1986 American Society of Primatologists, Publications Committee
1984-1986 Chair, American Society of Primatologists, Publications Committee

Committee Memberships - University Wide:

1981 Chair, Computer Needs Task Force, Yerkes Regional Primate Research Center
1982-1983 Member, Training Program Committee, Yerkes Regional Primate Research Center
1981-1984 Member, Curriculum Committee, Emory College
1981-1987 Member, University Research Committee
1980-1993 Chair, Library Committee, Yerkes Regional Primate Research Center
1981-1993 Member, Computer Committee, Yerkes Regional Primate Research Center
1986-1992 Member, Tana Primate Project Advisory Board
1989-1996 Chair, University Research Committee
1998-1999 Member, Neuro & Behavioral Biology Publications Committee
1998-date Member, Science and Society Committee
1999-date Member, Teaching and Technology Committee, Subcommittee of University's
Advisory Council on Teaching

Committee Memberships - Department of Anthropology:

1978-date Member & Chair of numerous search committees
1984 Acting Chair
1985-1994 Member, Library Committee
1987-1990 Director of Graduate Studies
1990-1994 Member, Graduate Selection Committee
1990-1994 Member, Human Subjects Committee
1994-1996 Chair, Computer Committee
1994-1995 Member, Graduate Concerns Committee

Committee Memberships - Department of Anthropology: (continued)

1996-1997 Member, Graduate Concerns Committee
1996-1997 Member, Graduate Selection Committee
1996-1997 Anthropology/Biology Search Committee
1996-1998 Member, Info/Tech Committee
1998-1999 Chair, Info/Tech Committee
1997-2000 Member, Undergraduate Concerns Committee
1999-2000 Head, Anthropology Honors Program
2000-2002 Member, Curriculum Committee
2002 Member, Undergraduate Concerns Committee

Courses Taught:

Undergraduate

Evolution of Social Behavior
Evolutionary Medicine
Freshman Seminar: Culture and Biology in Collision
Human Biology
Human Behavioral Ecology
Introduction to Anthropology
Introduction to Physical Anthropology and Archaeology
Monsters, Myths, and Human Evolution
Primate Behavior
Sex and Evolution

Graduate:

Evolutionary Medicine
Evolutionary Processes
Numerous Reading Courses on Evolution and Behavior

Other Activities: Conference Organizer, Invited Lectures, etc.:

1976 Chair, Volunteered Paper Session on Primate Behavior, Southern Regional Meeting, Animal Behavior Society, Charlottesville, Virginia.
1977 Organizer, Symposium on "Social Play in Primates," Annual Meeting, Animal Behavior Society, University Park, Pennsylvania.
1977 Rapporteur, Wenner-Gren Foundation for Anthropological Research Symposium, "Ecological Influences on Social Organization: Evolution and Adaptation", Burg-Wartenstein, Austria.
1978 Invited lecture, "Primate Ecology and Social Organization," Department of Anthropology, University of California, Los Angeles, California.
1979 Invited lecture, "Causes of Aggression," Kennesaw College, Kennesaw, Georgia.
1979 Consultant, Naval Aerospace Medical Research Laboratory, Pensacola, Florida.
1979 Chair, Volunteered Paper Session on Primate Behavior, 48th Annual Meeting, American Association of Physical Anthropologists, San Francisco, California.

Other Activities: (Conference Organizer, Invited Lectures, etc.) (continued):

- 1980 Invited lecture, "Ethology, Primatology and the Social Sciences," Department of Anthropology, University of Tennessee, Knoxville, Tennessee.
- 1981 Organizer, Symposium on "Methodological Issues in Nonhuman Primate Behavior Research," 4th Annual Meeting, American Society of Primatologists, San Antonio, Texas
- 1981 Invited lecture, "Allopaternal Behavior in Stumptail Macaques," Department of Anthropology, California State University, Northridge, California.
- 1982 Invited participant, Symposium on "Primate Ethopharmacology: Models for Neuropsychiatric Disorders," IXth Congress of the International Primatological Society, Atlanta, Georgia.
- 1982 Invited lecture, "Males and Infants: Paradoxes in Primate Sociality," Fernbank Science Center, Atlanta, Georgia.
- 1983 Invited lecture, "Behavioral Effects of *d*-Amphetamine in Group-Living Primates," Behavioral Biology Seminar Series Department of Psychiatry, Emory University, Atlanta, Georgia.
- 1983 Invited participant, Symposium on "Evolutionary Basis of Human Rights," Emory University, Atlanta, Georgia.
- 1983 Chair, Volunteered Paper Session on Aggression and Dominance, 6th Annual Meeting, American Society of Primatologists, East Lansing, Michigan.
- 1984 Invited participant, Social Sciences Research Council Conference on "Biosocial Perspectives on Child Abuse and Neglect," Breckinridge Conference Center, York, Maine.
- 1984 Chair, Volunteered Paper Session on Primate Anatomy, 53rd Annual Meeting, American Association of Physical Anthropologists, Philadelphia, Pennsylvania.
- 1984 Acting Program Chair, 6th Annual Meeting, American Society of Primatologists, Arcata, California.
- 1987 Invited lecture, "Tana River Primate Field Studies," Department of Anthropology, Emory University, Atlanta, Georgia.
- 1990 Invited lecture, "Sociobiology and Anthropology: The Baby and the Bathwater Revisited," California State University, Fullerton, California.
- 1990 Co-organizer (with D.S. Sprague), Symposium on "Migration and Dispersal: Behavioral, Ecological and Genetic Correlates," XIIIth Congress of the International Primatological Society, Kyoto, Japan.
- 1990 Invited lecture, "Male Migration, Dispersal and Reproductive Success in Savanna Baboons," Institute of Human Biology, Freie Universität, Berlin, Germany.
- 1992 Invited participant, Symposium on "Menstruation in Cross-Cultural and Evolutionary Perspective," Annual Meeting of the American Anthropological Association, San Francisco, California.
- 1993 Co-organizer (with James McKenna), Symposium on "Evolutionary Medicine: New Perspectives and Opportunities," Annual Meeting, American Association for the Advancement of Science, Boston, Massachusetts.
- 1993 Invited participant, Symposium on "Evolutionary Medicine and Anthropology," Annual Meeting, American Anthropological Association, Washington, D.C.

Other Activities: (Conference Organizer, Invited Lectures, etc.) (continued):

- 1997 Invited participant, Symposium on "Thirty Years of Biological Anthropology in the South," Annual Meeting Southern Anthropological Society, Baton Rouge, Louisiana.
- 1998 Invited participant, Symposium on "Male Gender and Health: Anthropological Perspectives," "Male Risk-Taking and Drug Abuse: An Evolutionary Perspective." Emory University, Atlanta, Georgia.
- 1999 Invited participant, Symposium on "Integrative Medicine," "Evolution and Medicine: In Sickness and In Health" Grinnell College, Grinnell, Iowa.
- 2000 Invited participant, Roundtable on "Darwinian Medicine: Applying Evolutionary Thinking To Medical Research and Decision Making," Annual Meeting of the Association for Politics and Life Sciences, Washington, D.C.
- 2001 Invited keynote address, Meeting of the Atlanta Medical Writers Association, Atlanta, Georgia.
- 2001 Invited participant, Symposium on "Anthropology and Addiction," 100th Annual Meeting, American Anthropological Association, Washington, D.C.
- 2002 Invited participant, Symposium on "Building Biocultural Anthropology," Emory University, Atlanta, Georgia

Publications: Journal Articles:

1. Smith, E.O., 1972. A review of the concept of social dominance as the basis for nonhuman primate social organization. *Working Papers in Sociology and Anthropology* (University of Georgia) 4: 18-29.
2. Smith, E.O., 1973. Further description of the control role of pigtail macaques, *Macaca nemestrina*. *Primates* 14: 413-416.
3. Poirier, F.E. & Smith, E.O., 1974. Socializing functions of primate play. *American Zoologist* 14: 275-287. Reprinted 1978 In: *Evolution of Play Behavior*, D. Müller-Schwarze (ed.). Dowden, Hutchinson and Ross, New York, pp. 112-124.
4. Poirier, F.E. & Smith, E.O., 1974. The crab-eating macaques (*Macaca fascicularis*) of Angaur Island, Palau, Micronesia. *Folia Primatologica* 22: 258-306.
5. Smith, E.O. & Begeman, M.L., 1980. BORES: Behavior observation recording and editing system. *Behavior Research Methods & Instrumentation* 12: 1-7.
6. Smith, E.O., 1981. Device for capture and restraint of nonhuman primates. *Laboratory Animal Science* 31: 305-306.
7. Smith, E.O. & Peffer-Smith, P.G., 1982. Triadic interactions in captive Barbary macaques (*Macaca sylvanus*, Linnaeus, 1758): "agonistic buffering"? *American Journal of Primatology* 2: 99-107
8. Peffer-Smith, P.G, Smith, E.O. & Byrd, L.D., 1983. Effects of *d*-amphetamine on self-aggression and posturing in stump-tail macaques. *Journal of the Experimental Analysis of Behavior* 40: 313-320.
9. Murray, R.D. & Smith, E. O., 1983. The role of dominance and intrafamilial bonding in the avoidance of close inbreeding. *Journal of Human Evolution* 12: 481-486.

Publications: Journal Articles (continued):

10. Smith, E.O., 1984. Non-seasonal breeding patterns in stump-tail macaques (*Macaca arctoides*). *Primates* 25: 117-122.
11. Smith, E.O. & Byrd, L.D., 1984. Contrasting effects of *d*-amphetamine on affiliation and aggression in monkeys. *Pharmacology Biochemistry & Behavior* 20: 255-260.
12. Whitten, P.L. & Smith, E.O., 1984. Patterns of wounding in stump-tail macaques (*Macaca arctoides*). *Primates* 25: 326-336.
13. Smith, E.O. & Byrd, L.D., 1985. *d*-Amphetamine induced changes in social interaction patterns. *Pharmacology Biochemistry & Behavior* 22: 135-139.
14. Murray, R.D., Bour, E.S. & Smith, E.O., 1985. Female menstrual cyclicity and sexual behavior in stump-tail macaques (*Macaca arctoides*). *International Journal of Primatology* 6: 101-113.
15. Dahl, J.F. & Smith, E.O., 1985. Assessing variation in the social behavior of stump-tail macaques using thermal criteria. *American Journal of Physical Anthropology* 68: 467-477.
16. Peffer, P.G., Byrd, L.D. & Smith, E.O., 1986. Effects of *d*-amphetamine on grooming and proximity in stump-tail macaques: differential effects on social bonds. *Pharmacology Biochemistry & Behavior* 24: 1025-1030.
17. Smith, E.O., 1987. Deception and evolutionary biology. *Cultural Anthropology* 2: 50-64.
18. Smith, E.O. & Whitten, P.L., 1988. Triadic interactions in savanna-dwelling baboons. *International Journal of Primatology* 9: 409-416.
19. Martin, S.P., Smith, E.O. & Byrd, L.D., 1990. Effects of dominance rank on *d*-amphetamine-induced increases in aggression. *Pharmacology Biochemistry & Behavior* 37: 493-496.
20. Smith, E.O. & Sprague, D.S., 1992. Introduction: migration and dispersal. *International Journal of Primatology* 13: 1-4.
21. Smith, E.O., 1993. Dispersal in Sub-Saharan baboons. *Folia Primatologica* 59: 177-185.
22. Condit, V. & Smith, E.O., 1994. Predation on a yellow baboon (*Papio cynocephalus cynocephalus*) by a lioness in the Tana River National Primate Reserve, Kenya. *American Journal of Primatology* 33 (1): 57-64.
23. Condit, V. & Smith, E.O., 1994. Yellow baboon labor and parturition at the Tana River National Primate Reserve, Kenya. *American Journal of Primatology* 33 (1): 51-55.
24. Stavisky, R., Russell, E., Stallings, J., Smith, E.O., Worthman, C.M. & Whitten, P.L., 1995. Fecal steroid analysis of ovarian cycles in free-ranging baboons. *American Journal of Primatology* 36 (4): 285-297.
25. Bentley-Condit, V., & Smith, E.O., 1997. Female reproductive parameters of the Tana River yellow baboons. *International Journal of Primatology* 18 (4): 581-596.
26. St. George, D., Witte, S.M., Turner, T.R., Weiss, M.L., Phillips-Conroy, J., Smith, E.O. & Rogers, J., 1998. Microsatellite variation in two populations of free-ranging yellow baboons (*Papio hamadryas cynocephalus*). *International Journal of Primatology* 19 (2): 273-285.
27. Bentley-Condit, V. & Smith, E.O. 1999. Female dominance and social relationships among yellow baboons. *American Journal of Primatology* 47: 321-344.
28. Smith, E.O. & Helms, W S., 1999. Evolutionary theory and high heels. *Foot and Ankle* 20 (1): 55-57.

Publications: Journal Articles (continued):

29. Smith, E.O., 1999. Yawning: An evolutionary perspective. *Human Evolution* 14 (3): 191-198.
30. Smith, E.O., 1999. High heels and evolution. *Psychology, Evolution, and Gender* 1(3): 245-277.
31. Bentley-Condit, V., Moore, T. & Smith, E.O. 2001. Analysis of infant handling and the effects of female rank among Tana River adult female yellow baboons (*Papio cynocephalus cynocephalus*) using permutation/randomization tests. *American Journal of Primatology* 55(2): 117-130.
32. Smith, E.O. & Lende, D. H., 2001, Evolution and substance abuse. *Medicina delle Tossicodipendeneze (Italian Journal of Addiction)* 31: 19-28.
33. Lende, D. H. & Smith, E.O., 2002. Evolution meets biopsychosociality: an analysis of addictive behavior. *Addiction* 97: 447-458.

Publications: Book Chapters:

1. Smith, E.O., 1978. A historical view on the study of play: Statement of the problem. In: *Social Play in Primates*, E.O. Smith (ed.), Academic Press, New York, pp. 1-32.
2. Smith, E.O. & Fraser, M.D., 1978. Social play in captive rhesus macaques, *Macaca mulatta*: a cluster analysis. In: *Social Play in Primates*, E.O. Smith, (ed.). Academic Press, New York, pp. 79-112.
3. Bernstein, I.S. & Smith, E.O., 1979. In summary. In: *Primate Ecology and Human Origins. Ecological Influences on Social Organization*, I. S. Bernstein and E.O. Smith (eds.). Garland Publishing Company, New York, pp. 341-349.
4. Smith, E.O. & Byrd, L.D., 1983. Studying the behavioral effects of drugs in group-living nonhuman primates. In: *Ethopharmacology: Primate Models of Neuropsychiatric Disorders*, K. A. Miczek (ed.). Alan R. Liss, New York, pp. 1-31.
5. Smith, E.O. & Peffer-Smith, P.G., 1984. Adult male-immature interactions in captive stump-tail macaques (*Macaca arctoides*). In: *Primate Paternalism*, D.M. Taub (ed.). Van Nostrand Reinhold, New York, pp. 88-112.
6. Smith, E.O. & Byrd, L.D., 1987. External and internal influences on aggression in captive group-living monkeys. In: *Child Abuse and Neglect: Biosocial Dimensions*, R. J. Gelles and J. B. Lancaster (eds.). Aldine de Gruyter, Hawthorne, New York, pp. 175-199.
7. Trevathan, W., Smith, E.O., & McKenna, J., 1999. Introduction, In: *Evolutionary Medicine*, Trevathan, W., Smith, E.O., & McKenna, J. eds., Oxford University Press, New York., pp. 3-6.
8. Smith, E.O., 1999. Evolution, addiction and substance abuse, In: *Evolutionary Medicine*, Trevathan, W., Smith, E.O., & McKenna, J. eds., Oxford University Press, New York., pp. 375-405.
9. Lende, D.H. & Smith, E.O. 2004. Biopsychosociality and substance abuse. In: *Evolutionary Medicine*, Canali, S., ed., Aperia, Bologna.

Publications: Books:

1. Smith, E.O. ed., 1978. *Social Play in Primates*. Academic Press, New York.
2. Bernstein, I. S. & Smith, E.O. eds., 1979. *Primate Ecology and Human Origins: Ecological Influences on Social Organization*. Garland Publishing Co., New York.
3. Trevathan, W., Smith, E.O., & McKenna, J.J., eds., 1999. *Evolutionary Medicine*. Oxford University Press, New York.
4. Smith, E.O., 2002. *When Culture and Biology Collide: Why We Are Stressed, Depressed, and Self-Obsessed*. Rutgers University Press, Piscataway, New Jersey.
5. Smith, E.O., in preparation, *An Introduction to Biological Anthropology*, Cambridge University Press (Scheduled completion August 2006).
6. Smith, E.O., in preparation, *Lifestyle Terrorism*. (A popular non-fiction work, written with the same audience as *When Culture & Biology Collide*. Initial chapters currently under review. No scheduled date for completion).

Publications: Book Reviews and Comments:

1. Smith, E.O., 1976. A comment on "Language, communication, and chimpanzees." *Current Anthropology* 17: 15.
2. Smith, E.O., 1976. Book review of *Nonverbal Communication of Aggression*, P. Pliner et al., eds. *Journal of Biological Psychology* 18: 49.
3. Smith, E.O., 1979. An alternative model for language acquisition. *Behavioral and Brain Sciences* 2: 397.
4. Smith, E.O., 1981. A comment on "The early plant-food niche and potential interspecies competition as revealed by an analysis of human- chimpanzee, and baboon plant exploitation in eastern and southern Africa." *Current Anthropology* 22: 137-138.
5. Smith, E.O., 1981. A comment on "Variations in the subsistence activities of female and male pongids: new perspectives on the origins of hominid labor division". *Current Anthropology* 22: 252-253.
6. Smith, E.O., 1982. Book review of *Animal Play Behavior*, R. A. Fagen. *American Journal of Physical Anthropology* 58: 117.
7. Smith, E.O., 1982. Book review of *Malayan Forest Primates: Ten Years' Study in a Tropical Rainforest*, D. A. Chivers, ed. *American Journal of Primatology* 3: 351-352.
8. Smith, E.O., 1985. A comment on "Household Economics and Hominid Origin." *Current Anthropology* 26: 215-216.
9. Smith, E.O., 1986. Book review of *Primates in Nature*, A. F. Richard. *American Anthropologist* 88: 1009-1011.
10. Smith, E.O., 1988. Book review of *Primate Conservation in the Tropical Rain Forest*, C. W. Marsh and R. A. Mittermeier (eds.). *Swara*: 11(1): 13-14.
11. Smith, E.O. & Miller, A.L., 1988. On female primate sexual behavior and conception. *Current Anthropology* 29: 487-488.
12. Smith, E.O., 1999. Reply. *Foot & Ankle* 20 (7): 470.

Publications: Published Abstracts:

1. Smith, E.O., 1977. Social play in rhesus macaques, *Macaca mulatta*. *Dissertation Abstracts International A38*: 2891-2892.
2. Smith, E.O. & Pepper-Smith, P.G., 1979. Adult male-immature interactions among stump-tail macaques (*Macaca arctoides*). *American Journal of Physical Anthropology* 50: 483.
3. Smith, E.O., 1980. A microprocessor based data collection and analysis system for behavioral observations. *American Journal of Physical Anthropology* 52: 281.
4. Smith, E.O., 1981. Assessment of interobserver reliability in observational research. *American Journal of Primatology* 1: 357-358.
5. Smith, E.O., 1982. Allopaternal behavior in stump-tail macaques (*Macaca arctoides*). *American Journal of Physical Anthropology* 57: 230.
6. Dahl, J.F. & Smith, E.O., 1982. Thermoregulatory, microhabitat preferences of stump-tail macaques *American Journal of Physical Anthropology* 57: 179.
7. Miczek, K.A., Smith, E.O., Byrd, L., Wilson, M., Nielson, E., Eison, M.S., Lyon, M., Iversen, S., Ridley, R.M., Schlemmer, R.F., Davis, J., Bowden, D., Dubach, M.F., Kraemer, G., McKinney, W., Reite, M., Brammer, G., Raleigh, M., Sassenrath, E.N., Crowley, T. and Howard, J.L., 1982. Primate ethopharmacology: models for neuropsychiatric disorders. *International Journal of Primatology* 3(3): 246.
8. Murray, R.D. & Smith, E.O., 1983. Inbreeding avoidance in a captive group of stump-tail macaques. *American Journal of Physical Anthropology* 60: 230
9. Whitten, P.L. & Smith, E.O., 1983. Wounding patterns in stump-tail macaques (*Macaca arctoides*). *American Journal of Primatology* 4: 358.
10. Bour, E.S., Murray, R.D. & Smith, E.O., 1983. Variation in sexual behavior over the female reproductive cycle in the stump-tail macaques (*Macaca arctoides*). *American Journal of Primatology* 4: 339.
11. Smith, E.O., Whitten, P.L. & Murray, R.D., 1984. Maternal body weight and maternal investment in stump-tail macaques (*Macaca arctoides*). *American Journal of Physical Anthropology* 63: 219-220.
12. Whitten, P.L. & Smith, E.O., 1984. Female rank and food intake in captive stump-tail macaques (*Macaca arctoides*). *American Journal of Primatology* 6: 426.
13. Whitten, P. L., Smith, E.O. & Murray, R.D., 1985. Orange intake associated with menstrual cycle irregularities in stump-tail macaques (*Macaca arctoides*). *American Journal of Physical Anthropology* 66: 242.
14. Smith, E.O., 1986. Deception in nonhuman primates. *Primate Report* 14: 228.
15. Byrd, L.D. & Smith, E.O., 1988. Amphetamine's effects on the social behavior of group-living monkeys. *Pharmacology Biochemistry & Behavior* 30: 553.
16. Barr, R.G., Smith, E.O. Konner, M., White, W. & McMullan, S.J., 1988. Lactose absorption and breath hydrogen excretion in infant chimpanzees: effect of feeding regimens. *Pediatric Research* 23 (4, Part 2): 297A.
17. Smith, E.O., 1989. Yellow baboons in the Tana River Primate Reserve. *American Journal of Primatology* 18(2): 165.

Publications: Published Abstracts: (continued)

18. Smith, E.O., 1989. Savanna-dwelling baboons in the Tana River Primate Reserve. *American Journal of Physical Anthropology* 78(2): 304-305.
19. Smith, E.O., 1990. Dispersal and migration in nonhuman primates: an overview. In: *Abstracts of the XIIIth Congress of the International Primatological Society*, Nagoya/Kyoto, Japan, p. 132.
20. Stavisky, R., Whitten, P.L., and Smith, E.O. 1991. Fecal steroid extraction in yellow baboons *Papio cynocephalus*. *American Journal of Physical Anthropology Supplement* 12: 168.
21. Wilson, C.E. & Smith, E.O. 1993. Behavioral differences in yellow baboon males during intergroup encounters. *American Journal of Physical Anthropology Supplement* 16: 209.
22. Condit, V. & Smith, E.O., 1994. Dominance hierarchy methodology comparison. *American Journal of Primatology*, 33: 202.
23. St. George, D., Rogers, J., Witte, S., Turner, T.R., Weiss, M.L., Phillips-Conroy, J., Phillips, R., & Smith, E.O., 1995. Microsatellite polymorphisms in two wild populations of yellow baboons (*Papio hamadryas cynocephalus*). *American Journal of Physical Anthropology Supplement* 20: 203.
24. Bentley-Condit, V. & Smith, E.O., 1996. Female-female competition and social manipulation in baboons (*Papio cynocephalus cynocephalus*). *American Journal of Physical Anthropology Supplement* 22S: 69.
25. Bentley-Condit, V., Smith, E.O., Torrez, B., & Pearson, S., 1997. A comparison of baboon (*Papio cynocephalus*) and rhesus macaque (*Macaca mulatta*) mother-infant proximity during infants' first three months. *American Journal of Primatology* 42: 94.
26. Bentley-Condit, V. & Smith, E.O. 1998. Captive olive baboon and feral yellow baboon mother-infant proximity during infants' first three months. *American Journal of Primatology* 45: 169.
27. Melby, M.K. & Smith, E.O., 1999, PMS: A bioculture bound syndrome. *American Journal of Physical Anthropology, Supplement* 28S: 200.
28. Smith, E.O., 2000, High heels, halux valgus, and sexual selection. *American Journal of Physical Anthropology, Supplement* 30S: 285.

Publications: Other:

1. Smith, E.O., 1972. *Laboratory Manual for Physical Anthropology*. Department of Sociology and Anthropology, University of Tennessee at Martin.
2. Bernstein, I.S. & Smith, E.O., 1978. Report on Wenner-Gren Symposium, "Ecological Influences on Social Organization: Evolution and Adaptation". *Current Anthropology* 19: 381-382.
3. Smith, E.O., 1981. *Laboratory Manual for Physical Anthropology*. Department of Anthropology, Emory University.
4. Smith, E.O. & Sprague, D., 1991. Guest editors for issue of *International Journal of Primatology* on Migration and Dispersal in Primates.

Papers Presented at Professional Meetings:

1. Smith, E.O., 1972. The interrelationship of age and status in *Macaca nemestrina*. Presented at the 8th Annual Meeting, Southern Anthropological Society, Columbia, Missouri.
2. Smith, E.O., 1973. A model for the study of social play in nonhuman primates. Presented at the Midwestern Regional Meeting, Animal Behavior Society, Oxford, Ohio.
3. Smith, E.O. & Pirie, P.L., 1973. Tooth size and body size: is there a correlation? Presented at the 72nd Annual Meeting, American Anthropological Association, New Orleans, Louisiana.
4. Poirier, F.E. & Smith, E.O., 1974. Socializing functions of primate play. Presented at the Annual Meeting, American Society of Zoologists, Houston, Texas.
5. Poirier, F.E. & Smith, E.O., 1975. The crab-eating macaques of Angaur. Presented at the 74th Annual Meeting, American Anthropological Association, San Francisco, California.
6. Anikeef, P.T. & Smith, E.O., 1975. Social behavior of laboratory rats: some new perspectives. Presented at the Annual Meeting, Animal Behavior Society, Wilmington, North Carolina.
7. Peffer, P.G., Smith, E.O. & Maple, T.L., 1976. Infant social interactions in captive Barbary macaques, *Macaca sylvanus*: preliminary report. Presented at the Southern Regional Meeting, Animal Behavior Society, Charlottesville, Virginia.
8. Peffer, P.G. & Smith, E.O., 1977. 'Agonistic buffering in a captive Barbary macaque (*Macaca sylvanus*) group. Presented at the Inaugural Meeting, American Society of Primatologists, Seattle, Washington.
9. Smith, E.O. & Fraser, M.D., 1977. Social play in captive rhesus macaques, *Macaca mulatta* a cluster analysis. Presented at the Annual Meeting, Animal Behavior Society, University Park, Pennsylvania.
10. Smith, E.O. & Peffer-Smith, P.G., 1979. Adult male-immature interactions among stump-tail macaques (*Macaca arctoides*). Presented at the 48th Annual Meeting, American Association of Physical Anthropologists, San Francisco, California.
11. Smith, E.O., 1980. A microprocessor based data collection and analysis system for behavioral observations. Presented at the 49th Annual Meeting, American Association of Physical Anthropologists, Niagara Falls, New York.
12. Smith, E.O. & Dahl, J.F., 1980. Group formation in captive stump-tail macaques, *Macaca arctoides*, I. Geoffroy, 1831. Presented at the 3rd Annual Meeting, American Society of Primatologists, Winston-Salem, North Carolina.
13. Smith, E.O., 1981. Assessment of interobserver reliability in observational research. Presented at the 4th Annual Meeting, American Society of Primatologists, San Antonio, Texas.
14. Byrd, L.D. & Smith, E.O., 1981. Methodology for studying drug effects in a captive group of primates. Presented at the Annual Meeting, Behavioral Pharmacology Society, Danvers, Massachusetts.

Papers Presented at Professional Meetings: (continued)

15. Smith, E.O. & Byrd, L.D., 1982. Behavioral effects of drugs in group-living nonhuman primates. Presented in a Symposium, "Primate Ethopharmacology Models for Neuropsychiatric Disorders," at the IXth Congress of the International Primatological Society, Atlanta, Georgia.
16. Smith, E.O., 1982. Allopaternal behavior in stumptail macaques (*Macaca arctoides*). Presented at the 51st Annual Meeting, American Association of Physical Anthropologists, Eugene, Oregon.
17. Dahl, J.F. & Smith, E.O., 1982. Thermoregulatory, microhabitat preferences of stumptail macaques. Presented at the 51st Annual Meeting, American Association of Physical Anthropologists, Eugene, Oregon.
18. Murray R.D. & Smith, E.O., 1983. Inbreeding avoidance in a captive group of stumptail macaques. Presented at the 52nd Annual Meeting, American Association of Physical Anthropologists, Indianapolis, Indiana.
19. Whitten, P.L. & Smith, E.O., 1983. Wounding patterns in stumptail macaques (*Macaca arctoides*). Presented at the 5th Annual Meeting, American Society of Primatologists, East Lansing, Michigan.
20. Bour, E. S., Murray, R.D. & Smith, E.O., 1983. Variation in sexual behavior over the female reproductive cycle in the stumptail macaque (*Macaca arctoides*). Presented at the 5th Annual Meeting, American Society of Primatologists, East Lansing, Michigan.
21. Smith, E.O., Whitten, P. L. & Murray, R.D., 1984. Maternal body weight and maternal investment in stumptail macaques (*Macaca arctoides*). Presented at the 53rd Annual Meeting, American Association of Physical Anthropologists, Philadelphia, Pennsylvania.
22. Whitten, P.L. & Smith, E.O., 1984. Female rank and food intake in captive stumptail macaques. Presented at the 6th Annual Meeting, American Society of Primatologists, Arcata, California.
23. Smith, E.O., 1984. External and internal influences on aggression in captive group-living monkeys. Presented at the Social Sciences Research Council Conference on "Biosocial Perspectives on Child Abuse and Neglect", York, Maine.
24. Whitten, P.L., Smith, E.O. & Murray, R.D., 1985. Orange intake associated with menstrual cycle irregularities in stumptail macaques (*Macaca arctoides*). Presented at the 54th Annual Meeting, American Association of Physical Anthropologists, Knoxville, Tennessee.
25. Smith, E.O., 1986. Deception in nonhuman primates. Presented at the XIth Congress of the International Primatological Society, Gottingen, West Germany.
26. Byrd, L.D. & Smith, E.O., 1988. Amphetamine's effects on the social behavior of group-living monkeys. Presented at the 96th Annual Meeting, American Psychological Association, Atlanta, Georgia.
27. Barr, R.G., Smith, E.O., Konner, M., White, W. & McMullan, S.J., 1988. Lactose absorption and breath hydrogen excretion in infant chimpanzees: effect of feeding regimens. Presented at the Annual Meeting, The Society for Pediatric Research, Washington, D.C.

Papers Presented at Professional Meetings: (continued)

28. Smith, E.O., 1989. Savanna-dwelling baboons in the Tana River Primate Reserve. Presented at the 58th Annual Meeting, American Association of Physical Anthropologists, San Diego, California.
29. Smith, E.O., 1989. Yellow baboons in the Tana River Primate Reserve. Presented at the 12th Annual Meeting, American Society of Primatologists, Mobile, Alabama.
30. Smith, E.O., 1990. Migration & dispersal: an overview. Presented in a Symposium "Dispersal and Migration: Behavioral, Ecological and Genetic Correlates," at the XIIIth Congress, International Primatological Society, Kyoto, Japan.
31. Stavisky, R., Whitten, P.L., & Smith, E.O. 1991. Fecal steroid extraction in yellow baboons *Papio cynocephalus*. Presented at the 60th Annual Meeting, American Association of Physical Anthropologists, Milwaukee, Wisconsin.
32. Turner, T.L., Weiss, M.L., & Smith, E.O. 1992. DNA fingerprinting in free-ranging yellow baboons in the Tana Primate Reserve Kenya. Presented at the XIVth Annual Meeting of the International Primatological Society, Strasbourg, France.
33. Whitten, P.L., Stavisky, R.C. & Smith, E.O. 1992. Field and laboratory techniques for fecal steroid extraction. Presented at the XIVth Annual Meeting of the International Primatological Society, Strasbourg, France.
34. Worthman, C.M., Smith, E.O. & Weil, E.J. 1992. Why do women menstruate? Presented at the Annual Meeting, American Anthropological Association, San Francisco, California.
35. Smith, E.O. & McKenna, J. 1993. Evolutionary paradigm in medicine. Invited paper, presented in a symposium "Evolutionary Medicine," Annual Meeting, American Association of Science, Boston, Massachusetts.
36. Smith, E.O. 1993. Evolution, substance abuse & addiction. Invited paper, presented in a symposium "Anthropology and Evolutionary Medicine," Annual Meeting, American Anthropological Association, Washington, D.C.
37. Condit, V. & Smith, E.O., 1994, Dominance hierarchy comparison. Presented at the 17th Annual Meeting, American Society of Primatologists, Seattle, Washington.
38. St. George, D., Rogers, J., Witte, S., Turner, T.R., Weiss, M.L., Phillips-Conroy J., Phillips, P., & Smith, E.O., 1995. Microsatellite polymorphisms in zoo wild populations of yellow baboons (*Papio hamadryas cynocephalus*). Presented at the 64th Annual Meeting, American Association of Physical Anthropologists Meeting, Oakland, California.
39. Bentley-Condit, V. & Smith, E.O. 1996. Female-female competition and social manipulation in baboons (*Papio cynocephalus cynocephalus*). Presented at the 65th Annual Meeting, American Association of Physical Anthropologists, Durham, North Carolina.
40. Bentley-Condit, V. & Smith, E.O., 1996. Female-infant-female relationships: "Manipulation" among yellow baboons (*Papio cynocephalus cynocephalus*), Presented at the 19th Annual Meeting, American Society of Primatologists, Madison, Wisconsin.

Papers Presented at Professional Meetings: (continued)

41. Bentley-Condit, V., Smith, E.O., Torrez, B., & Pearson, S., 1997. A comparison of baboon (*Papio cynocephalus*) and rhesus macaque (*Macaca mulatta*) mother-infant proximity during the infants' first three months. Presented at the 20th Annual Meeting, American Society of Primatologists, San Diego, California.
42. Lampl, M. & Smith, E.O., 1997. Male gender and health: Cultural and biological perspectives reconsidered. Presented at the Annual Meeting of the American Anthropological Association, Washington, D.C.
43. Smith, E.O., Melby, M., & Lende, D.H., 1998. Male risk taking and addiction: An evolutionary perspective. Invited paper presented at a symposium, Male Gender and Health: Anthropological Perspectives, Emory University, Atlanta, Georgia.
44. Bentley-Condit, V. & Smith, E.O. 1998. Captive olive baboon and feral yellow baboon mother-infant proximity during infants' first three months. Paper presented at the 21st Annual Meeting, American Society of Primatologists, San Antonio, Texas.
45. Melby, M.K. & Smith, E.O., 1999. PMS: A biocultural perspective. Paper present at the 68th Annual Meeting, American Association of Physical Anthropologists, Columbus, Ohio.
46. Hruschka, D.J. & Smith, E.O., 1999. Ritual process and social cohesion: Understanding mechanisms, considering ethics, Presented at the Annual Meeting, Association for Politics and the Life Sciences, Atlanta, Georgia.
47. Smith, E.O., 2000. High heels, halux valgus, and sexual selection. Presented at the 69th Annual Meeting, American Association of Physical Anthropologists, San Antonio, Texas.
48. Melby, M.K. & Smith, E.O., 2000. Premenstrual syndrome: Fact or fiction? Presented at the Joint Meeting, Association for Politics and Life Sciences and European Sociobiological Society, Washington, D.C.
49. Melby, M.K., Brown, R.A., & Smith, E.O., 2000. Jealousy and guilt: Different dimensions of the reproductive behavior. Presented at the Joint Meeting, Association for Politics and Life Sciences and the European Sociobiological Society, Washington, D.C.
50. Smith, E.O. 2000. Evolution, substance abuse and addiction. Presented at the Joint Meeting, Association for Politics and Life Sciences and the European Sociobiological Society, Washington, D.C.
51. Smith, E.O., 2001. Addiction, the Sisyphean struggle for a paradigm, and evolutionary hill-climbing. Presented at 100th Annual Meeting, American Anthropological Association, Washington, D.C.
52. Smith, E.O., 2002. Darwinian evolution, applied anthropology, and health. Presented at the Annual Meeting, Society for Applied Anthropology, Atlanta, Georgia.
53. Smith, E.O. & Lende, D.H., 2004. Evolutionary theory and addiction: A new perspective. Presented at the 35th Annual Meeting, American Society of Addiction Medicine, Washington, D.C.