

M S. Foster

MERCEDES S. FOSTER

**Research Zoologist & Curator of Birds
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PRESENT POSITION

- Research Zoologist and Curator-in-Charge, Bird Section, USGS, Patuxent Wildlife Research Center, National Museum of Natural History
- Director, Standard Methods for Measuring and Monitoring Biological Diversity Project (1990-present)
- Research Associate: Smithsonian Institution, National Museum of Natural History (Department of Vertebrate Zoology) 2004-present

RESEARCH INTERESTS

- Social behavior and ecology of neotropical birds, with emphasis on lek behavior, frugivory, and seed dispersal
- Ecology of migrating and wintering nearctic birds
- Biodiversity studies
- Frog ecology and behavior

ACADEMIC TRAINING AND DEGREES

- University of South Florida, Tampa (Department of Biology, Ph.D. 1974)
- University of Chicago (Committee on Evolutionary Biology, 1968-1969)
- Organization for Tropical Studies (Costa Rica, 1966)
- Duke University Marine Laboratory (1965)
- University of California, Berkeley (Department of Zoology, minor-Department of Botany, M.A. 1965; B.A. 1963)

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HONORS AND AWARDS

- 10th Pelican Lecture (Ralph Schrieber Memorial Lecture), Wooster College, Wooster, OH (2009)
- Alexander Skutch Medal for Excellence in Tropical Ornithology, Association of Field Ornithologists (2006)
- Cocha Cashu Biological Station, Outstanding Service Award (1997)
- Fellow, Center for Tropical Conservation, Duke University, Durham, NC (1993-1996)
- 26th Paul L. Errington Memorial Lecture, Iowa State University, Ames, (1990)
- Sociedad Antioqueña de Ornitología, Colombia - Honorary Member (1989)
- American Association Advancement of Science - Fellow (1988)
- Museo Nacional Historia Natural, Paraguay - Honorary Member (1985)
- American Ornithologists' Union - Fellow (1980), Elective Member (1976)
- USGS Biological Resources Division - Scientific Achievement Award (1996)
- National Biological Service - Outstanding Performance Award (1994)
- Fish and Wildlife Service - Outstanding Performance Awards (1980, 1981, 1982, 1983, 1984, 1985)
- Brazier Howell Award, Cooper Ornithological Society (1967)
- Sigma Xi
- Beta Beta Beta
- Phi Sigma Society
- Phi Kappa Phi

PROFESSIONAL ACTIVITIES

- Cooper Ornithological Society, President 2009-10; President-Elect (2007-2009); Council (1975-1978; 2005-2008); Chair Miller Award Comm. (2004-2007); Katma Award Comm.
- Ornithological Council, representative of Neotropical Ornithological Society (2003-2007)
- Smithsonian Institution, National Museum of Natural History, Senate of Scientists: Affiliated Agencies Representative, (2006-2007); Alternate, (2004-2005)
- Neotropical Ornithological Society, Chair, Comm. on Student Travel Awards, VIII NOC (2007)
- Review Committee, Organization for Tropical Studies, Graduate Education Program (2000-2001)
- International Ornithological Congress Committee, member (1998-present)
- American Ornithologists' Union: Vice-President (1994-1995); Council (1977-1984; 1986-1989; 1991-1994) and various committees
- Association for Tropical Biology, Councilor (1993-1994)
- AIBS Council, AOU Representative (1993)
- Center for Biodiversity and Conservation, American Museum of Natural History, symposium on "Conserving Birds In Human-Dominated Landscapes," Steering Committee member
- The Heinz Center: Non-native Vertebrate Species Workshop, invited participant (2004-2005)

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- Advisory Board, Guyana Biodiversity Program (1992-1993)
- UNEP Global Biodiversity Assessment Workshop on Inventorying and Monitoring, invited participant (1994)
- All Taxa Biodiversity Inventory Workshop, invited participant (1993)
- Taskforce of Biodiversity for Agenda 21, U.S. Dept. State, invited participant (1993)
- Co-Organizer, Symposium on the Interface of Science and Conservation, Cooper/Wilson Meeting, Norman, OK (1991)
- Smithsonian Taskforce on Biological Diversity, invited participant (1989-1990)
- Review Panel, Division of Zoology, Field Museum of Natural History, Chicago (1990)
- Coordinator, First International Workshop on Curatorial Techniques for Natural History Museums (Washington, D.C. 1987)
- Coordinator, Ornithology Group, Biota of Cerro de la Neblina, Venezuela Project (1984-1986)
- Scientific Advisor, National BioInventory Program, Paraguay (1980-1995)
- Advisor, National Museum of Natural History, Asunción, Paraguay (1982-1995)
- Point Reyes Bird Observatory, Board of Directors (1979-1980)
- Reviewer of grant proposals for National Science Foundation, National Geographic Society, Earthwatch, Smithsonian Institution, BirdLife, American Ornithologists' Union, National Fish and Wildlife Foundation, World Wildlife Fund, USGS, etc.

EDITORIAL ACTIVITIES

- Series Editor, *Standard Methods for Measuring Biological Diversity* handbooks (1990-present)
- Editorial Board, *Vida Silvestre Neotropical* (1993-2000)
- Editorial Board, *Biotropica* (1992-1997)
- Editorial Board, *Bird Conservation International* (1990-1997)
- AIBS Publications Committee (1993)
- Editor, *Ornithological Monographs* (1977-1985)
- Associate Editor, *The Condor* (1975-1978)
- Editorial Consultant several publishing companies
- Reviewer of manuscripts for *American Naturalist*, *Annals of Botany*, *Auk*, *Biodiversity and Conservation*, *Biological Conservation*, *Biotropica*, *Bird Conservation International*, *Condor*, *Ecology*, *Ethology*, *Evolution*, *Hornero*, *Ibis*, *Journal Field Ornithology*, *Journal of Tropical Ecology*; *Ornitología Neotropical*, *Pacific Science*, *Plant Species Biology*, *Polish Ecological Society*, *Science*, *Wilson Bulletin*, and others

CONSERVATION ACTIVITIES

- Steering Committee, Inst. for Conservation Biology, Smithsonian Institution (1996-2000)
- Director, Founding Member, American Bird Conservancy (1994-2001)
- Board of Directors, Pan American Continental Section, International Council for Bird Preservation (ICBP, 1985-1995; Chair 1987-1990)

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- Coordinator, Latin American Library Enhancement Program (1987-1997)
- American Ornithologists' Union Committee on Interamerican Affairs (1990-1995; 2006-present)
- Scientific Advisor, Asociación de Conservación para la Selva Sur, Cusco, Perú (1987-1989)
- U.S. Section Delegate, ICBP (1983-1986)

MUSEUM/CURATORIAL EXPERIENCE

- Curator of Birds, USGS, Patuxent Wildlife Research Center, National Museum of Natural History (1995-present); Curator in Charge (2003-present)
- Curator of Birds, National Biological Service, National Museum of Natural History (1993-1995)
- Curator of Birds, National Ecology Research Center, U.S. Fish and Wildlife Service, National Museum of Natural History, (1980-1993); Head, Ornithology Section (1983-1986)
- Curatorial Associate in Ornithology, Museum of Vertebrate Zoology, University of California, Berkeley (1975-1977)
- Curatorial Assistant: Los Angeles County Museum of Natural History (1966); Museum of Vertebrate Zoology, University of California, Berkeley (1964)
- Research Associate: Department of Vertebrate Zoology, Smithsonian Institution (1984-1990); Museum of Vertebrate Zoology, University of California, Berkeley, (1978-1980); Natural History Museum, Los Angeles County (1979-1982)

TEACHING EXPERIENCE

- Lecturer, MAB Biodiversity Monitoring Course (1993, 1994)
- Visiting Faculty, Department of Zoology, University of Maryland, College Park (1983, 1984)
- Lecturer, Department of Zoology, University of California, Berkeley (1978-1980)
- Interim Assistant Professor, Department of Biology, University of South Florida, Tampa (1974-1975; 1978)
- Lecturer, Department of Biology, California State Polytechnic University, Pomona (1966-1968)
- Visiting Faculty, Organization for Tropical Studies, Costa Rica (1967, 1971, 1974, 2001)
- Member Doctoral and Master's committees, Postdoc Advisor (1978-present)
- Courses taught: Vertebrate Reproduction, Vertebrate Natural History, Ornithology, Ecology, General Biology, Introductory Invertebrate Zoology, Introductory Vertebrate Zoology, Evolution for Non-majors, Ecology for Non-majors, Human Physiology; Graduate Seminars in Evolution, Ornithology, Seminar Preparation

FIELD RESEARCH

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- Mexico and Central America (38 months, 1966-1992)
- Paraguay (20 months, 1976-1983, 2004)
- Peru (58 months, 1977-2008)
- South America, other (4 months, 1979-1987)
- Asia/Africa (6 weeks, 1987-1988)

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

AAAS

American Ornithologists' Union
 American Society of Naturalists
 Association Field Ornithologists
 Association of Tropical Biology & Conservation
 Büro für Biologische Bestandsaufnahmen
 (Society for Tropical Ecology)
 Cooper Ornithological Society

Ecological Society of America

Neotropical Ornithological Society
 Sociedad Antioqueña Ornitología
 Society Conservation Biology
 Society Women Geographers
 Washington Biologists' Field Club
 Wilson Ornithological Society

GRANTS AND FELLOWSHIPS (RESEARCH)

- Alexander Wetmore Fund, National Museum of Natural History (2004)
- U. S. Environmental Protection Agency (2000-2002)
- U. S. Forest Service (1994)
- U. S. Federal Aid Program (1993-1994; 1995-1996)
- Smithsonian Biodiversity Program (1991)
- National Geographic Society (1977, 1985, 1986, 1987, 1988, 1989)
- Alexander Wetmore Fund, National Museum of Natural History (1984)
- American Philosophical Society (1976, 1979)
- Frank M. Chapman Fund, American Museum of Natural History (1972; 1977)
- Society of Sigma Xi (1974)
- National Science Foundation Predoctoral Fellowship (1970-1973)
- University of Chicago, Graduate Fellowship (1969)
- National Science Foundation Fellowship, Organization for Tropical Studies (1966)
- National Science Foundation Fellowship, Duke University Marine Laboratory (1965)

GRANTS (CONSERVATION & TRAINING PROJECTS)

- American Ornithologists' Union (1995)
- Lulu May Lloyd Von Hagen Foundation (1995)
- World Wildlife Fund (with M. Jenkinson, 1993)
- U.S. Information Agency (with M. Jenkinson, 1992)
- U. S. Fish & Wildlife, International Affairs (with M. Jenkinson, 1991, 1992)

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- National Fish & Wildlife Foundation (with M. Jenkinson, 1992)
- Council for Biology Editors (with M. Jenkinson, 1992)
- Educational Foundation of America (with M. Jenkinson, 1991)
- American Ornithologists' Union (with D. Wiedenfeld, 1991)
- Homeland Foundation (with M. Jenkinson, 1991)
- Conservation, Food & Health Foundation (with M. Jenkinson, 1991)
- Atherton Seidell Foundation (with W. R. Heyer, 1991)
- Smithsonian Biodiversity Program (1989, 1990, 1991, 1992)
- American Ornithologists' Union (1988)
- International Council for Bird Preservation, Pan American Section (1983, 1988)
- Directorate of International Affairs, Smithsonian Institution (with W. R. Heyer, 1987)
- U. S. Fish & Wildlife, International Affairs (1987)
- Atherton Seidell Foundation (with E. S. Morton, 1984)

INVITED PRESENTATIONS

- Scientific Societies (20)
- Technical Conferences/Workshops (21)
- Academic Institutions (59, in 6 countries)
- Government Agencies (7)

RESEARCH OR INVESTIGATOR FEATURED IN THE NEWS MEDIA OR BOOKS

- *Neotropical Companion*, book by J. C. Kricher (1997)
- Science Page of *ABC Color* newspaper, August 7, 1995; Asunción, Paraguay
- *AAAS-Science Update* radio program (1994)
- *Ecología*, collected essays on ecology by Barbara d'Achille (1989)
- "Profiles in Action" in *World BirdWatch* 11(3):12, conservation efforts in Latin America (1989)
- Science Page, *The Boston Globe*, June 27; Boston (1988)
- Up Front section, *Discover Magazine* 9(12):20 (1988)
- Research News section, *Science*, 240:1277-1278 (1988)
- Science Page, *El Comercio* newspaper, October 18; Lima, Peru (1986)
- *Wild Kingdom*, television program (1981)
- *Animal Behavior*, textbook by John Alcock (1979)

PUBLICATIONS

Foster, M. S. 1965. An early reference to the technique of owl calling. *Auk* 82: 651-653.

Foster, M. S. 1967. Pterylography and age determination in the Orange-crowned Warbler. *Condor* 69: 1-12.

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- Foster, M. S. 1967. Molt cycles of the Orange-crowned Warbler *Condor* 69: 169-200.
- Foster, M. S. 1969. The eggs of three species of species of mallophaga and their significance in ecological studies. *J. Parasitology* 55: 453-456.
- Foster, M. S. 1969. Synchronized life cycles of the Orange-crowned Warbler and its mallophagan parasites. *Ecology* 50: 315-323.
- Foster, M. S. 1971. Plumage and behavior of a juvenile Gray-headed Kite. *Auk* 88: 163-166.
- Foster, M. S., and N. K. Johnson. 1974. Notes on birds of Costa Rica. *Wilson Bull.* 86: 58-63.
- Foster, M. S. 1974. A model to explain molt-breeding overlap and clutch size in some tropical birds. *Evolution* 28: 182-190.
- Foster, M. S. 1974. Rain, feeding behavior and clutch size in tropical birds. *Auk* 91: 722-726.
- McDiarmid, R. W., and M. S. Foster. 1975. Unusual sites for two Neotropical tadpoles. *J. Herpetology* 9: 264-265.
- Foster, M. S. 1975. The overlap of molting and breeding in some Costa Rican Birds. *Condor* 77: 304-314.
- Foster, M. S. 1975. Temporal patterns of resource allocation and life history phenomena. *Florida Scientist* 8: 129-139.
- Foster, M. S. 1976. Nesting biology of the Long-tailed Manakin. *Wilson Bull.* 88: 400-420.
- Foster, M. S., and R. Timm. 1976. Tent-making by *Artibeus jamaicensis* (Chiroptera: Phyllostomatidae) with comments on plants used by bats for tents. *Biotropica* 8: 265-269.
- McDiarmid, R. W., R. E. Ricklefs, and M. S. Foster. 1977. Dispersal of *Stemmadenia donnell-smithii* (Apocynaceae) by birds. *Biotropica* 9: 9-25.
- Foster, M. S. 1977. Odd couples in manakins, a study of social organization and cooperative breeding in *Chiroxiphia linearis*. *American Naturalist* 111: 845-853.
- Foster, M. S. 1977. Ecological and nutritional effects of food scarcity on a tropical frugivorous bird and its fruit source. *Ecology* 58: 73-85.
- Foster, M. S. 1977. Book Review. The web of adaptation, bird studies in the American Tropics. David W. Snow. *Auk* 94: 618.
- Foster, M. S. 1978. The displays and social behavior of the Swallow-tailed Manakin, *Chiroxiphia caudata*. *Yearbook of the American Philosophical Society* 1977: 195.
- Foster, M. S. 1978. Total frugivory in tropical passerines: a reappraisal. *Tropical Ecology* 19: 131-154.

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- Foster, M. S. 1981. The displays and social behavior of the Blue-backed Manakin, *Chiroxiphia pareola*. Yearbook of the American Philosophical Society 1980: 22.
- Foster, M. S. 1981. Cooperative behavior and social organization of the Swallow-tailed Manakin (*Chiroxiphia caudata*). Behavioral Ecology and Sociobiology 9: 167-177.
- McDiarmid, R. W., and M. S. Foster. 1981. Breeding habits of the toad *Bufo coccifer* in Costa Rica, with a description of the tadpole. Southwestern Naturalist 26: 353-363.
- Foster, M. S., and R. W. McDiarmid. 1982. Study of aggregative behavior of *Rhinophrynus dorsalis* tadpoles: design and analysis. Herpetologica 38: 395-404.
- Foster, M. S. 1982. The research natural history museum: pertinent or passé? Biologist 64: 1-12.
- Foster, M. S., and L. A. Fitzgerald. 1982. A technique for live trapping cormorants. J. Field Ornithology 53: 422-423.
- Foster, M. S. 1983. Book Review. A bird family. The Cotingas. David Snow. Science 219: 281-282.
- Foster, M. S., and R. W. McDiarmid. 1983. Nutritional value of the aril of *Trichilia cuneata* a bird-dispersed fruit. Biotropica 15:26-31.
- Foster, M. S. 1983. Disruption, dispersion, and dominance in lek-breeding birds. American Naturalist 122: 53-72.
- Foster, M. S. 1983. *Chiroxiphia linearis* (Bonaparte; Long-tailed Manakin). pp. 563-564, In D. H. Janzen (ed.), Costa Rican Natural History. Univ. Chicago Press.
- Foster, M. S., and R. W. McDiarmid. 1983. *Rhinophrynus dorsalis* Dumeril and Bibron (alma de vaca; Mexican burrowing toad). pp. 419-421, In D. H. Janzen (ed.), Costa Rican Natural History. Univ. Chicago Press.
- Foster, M. S., and R. W. McDiarmid. 1983. *Stemmadenia donnell-smithii* (Rose) Woodson. pp. 328-329, In D. H. Janzen (ed.), Costa Rican Natural History. Univ. Chicago Press.
- Foster, M. S. 1983. Training biologists and resource managers in lesser developed countries. Interciencia 8: 289-293.
- Foster, M. S. 1984. Jewel Bird Jamboree. Natural History 93(7): 54-59.
- Smith, A. R., and M. S. Foster. 1984. Chromosome numbers and ecological observations of ferns from El Tirol, Paraguay. Fern Gazette 12: 321-329.
- Burns-Balogh, P., and M. S. Foster. 1984-1986. A new species of *Sarcoglottis* (Orchidaceae) from Paraguay. Selbyana 7: 359-360, Selbyana 9: 189-190.

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- Foster, M. S. 1985. Social organization and behavior of the Swallow-tailed Manakin, *Chiroxiphia caudata*. National Geographic Society Research Reports 18: 313-320.
- Burns-Balogh, P., H. Robinson, and M. S. Foster. 1985. The capitate-flowered epiphytic *Spiranthinae* (Orchidaceae) and a new genus from Paraguay. *Brittonia* 37: 154-162.
- Foster, M. S. 1985. Pre-nesting cooperation in birds: another form of helping behavior. *In*, Neotropical Ornithology. Ornithological Monographs 36: 817-828.
- Buckley, P. A., M. S. Foster, E. S. Morton, R. S. Ridgely, and F. G. Buckley (eds.). 1985. *Neotropical Ornithology*. Ornithological Monographs 36: 1-1041.
- Burns-Balogh, P., and M. S. Foster. 1985. *Cyclopogon deminkiorum* Burns-Balogh and M. S. Foster, A New species from Paraguay. *Canadian Orchid J.* 3(3): 5-9.
- Foster, M. S. 1987. Delayed maturation, neoteny, and social system differences in two manakins of the genus *Chiroxiphia*. *Evolution* 42: 547-558.
- Foster, M. S. 1987. Feeding methods and efficiencies of selected frugivorous birds. *Condor* 89: 566-580.
- McDiarmid, R. W., and M. S. Foster. 1987. Additions to the reptile fauna of Paraguay with notes on a small herpetological collection from Amambay. *Studies of Neotropical Fauna and Environment* 22: 1-10.
- McDiarmid, R. W., and M. S. Foster. 1987. Cocoon formation in another hylid frog, *Smilisca baudinii*. *J. Herpetology* 21: 352-355.
- Beehler, B. M., and M. S. Foster. 1988. Hotshots, hotspots, and female preference in the organization of lek mating systems. *American Naturalist* 131: 203-219.
- Foster, M. S., N. E. López, and E. Escobar. 1989. Observations of a nest of Red-crowned Ant-tanagers in Paraguay. *J. Field Ornithology* 60: 459-469.
- Rands, M., and Foster, M. S. 1989. ICBP in the Americas. *World Birdwatch* 11(3):6-8.
- Foster, M. S., and P. Cannell. 1990. Bird specimens and documentation: Critical data for a critical resource. *Condor* 92: 279-285.
- Foster, M. S. 1990. Book Review. No Woman Tenderfoot. H. Kofalk. *Wilson Bull.* 102: 562-563.
- Foster, M. S. 1990. Factors influencing bird foraging preferences among conspecific fruit trees. *Condor* 92: 844-854.
- Willard, D. E., M. S. Foster, G. F. Barrowclough, R. W. Dickerman, P. F. Cannell, S. L. Coats, J. L. Cracraft, and J. P. O'Neill. 1991. The birds of Cerro de la Neblina, Territorio Federal Amazonas, Venezuela. *Fieldiana, Zoology* n.s. 65:1-85 + i-iv.

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Foster, M. S. 1991. Los saltarines y sus extraordinarios sistemas sociales de leks. Boletín SAO (Sociedad Antioqueña de Ornitología) II(4): 5-14.

Reynolds, R. P., and M. S. Foster. 1992. Four new species of frogs and one new snake from the Chapare Region of Bolivia, with a report on a small herpetological collection. Herpetological Monographs 6: 83-104.

Foster, M. S. 1992. Tent roosts of Macconnell's Bat (*Vampyressa macconnelli*). Biotropica 24: 447-454.

Foster, M. S. 1992. The international component of managing biological diversity. Trans. North American Wildlife Natural Resources Conference 57: 321-329.

Jenkinson, M. A., and M. S. Foster. 1992. The Latin American Library Enhancement Project (LALEP). CBE Views 15: 71-74.

Foster, M. S. 1993. A question of jobs: the two-career couple. BioScience 43:237.

Foster, M. S. 1993. A spouse employment program. BioScience 43:241-242.

Foster, M. S. 1993. Research, conservation, and collaboration: The role of visiting scientists in Third World countries. Auk 110:414-417.

Foster, M. S. 1993. Preservación de ejemplares con máximo contenido de información y resumen de investigaciones basadas en tales materiales. Pp. 3-14, In P. Escalante-Pliego (ed.), *Curación Moderna de Colecciones Ornitológicas*. American Ornithologists' Union, Washington, D.C.

Foster, M. S., M. A. Jenkinson, and A. Allen. 1993. The tools of the trade -- library enhancement in developing countries. BioScience 43: 556-563.

Foster, M. S., and R. Aguilar. 1993. Primer registro de *Eumops underwoodi* (Molossidae) de Costa Rica. Brenesia 39-40: 179-180.

Heyer, W. R., M. A. Donnelly, R. W. McDiarmid, L. C. Hayek, and M. S. Foster. 1994. Essentials of standardization and quantification. Pp. 17-20. In W. R. Heyer, M. A. Donnelly, R. W. McDiarmid, L. C. Hayek, and M. S. Foster (eds.), *Measuring and Monitoring Biological Diversity: Standard Methods for Amphibians*. Smithsonian Institution Press, Washington, D. C.

Heyer, W. R., M. A. Donnelly, R. W. McDiarmid, L. C. Hayek, and M. S. Foster (eds.). 1994. *Measuring and Monitoring Biological Diversity, Standard Methods for Amphibians*. Smithsonian Institution Press, Washington, D.C. 364 pp.

Woodman, N., M. A. Jenkinson, and M. S. Foster (comp.). 1994. *Latin American Research Libraries in Natural History: A Survey*. 2nd ed. Council of Biology Editors, Chicago, IL. 260 pp.

Foster, M. S. 1995. For want of a nail. Defenders 70(3):40.

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Greenberg, R., M. S. Foster, and L. Marquez-Valdelamar. 1995. The role of the White-eyed Vireo in the Dispersal of *Bursera* fruit in the Yucatan Peninsula. *J. Tropical Ecology* 11:619-639.

Samways, M. J., N. E. Stork, J. Cracraft, H. A. C. Eeley, M. Foster, G. Lund, and C. Hilton-Taylor. 1995. Scales, planning and approaches to inventory and monitoring. Chap. 7.2, Pp. 475-518. *In* V. H. Heywood and R. T. Watson (eds.), *Global Biodiversity Assessment*. United Nations Environmental Programme. Cambridge University Press, Cambridge, UK.

Grissell, E. E., and Foster, M. S. 1996. A new *Bephratelloides* (Hymenoptera: Eurytomidae) from seeds of *Cymbopetalum* (Annonaceae) in Mexico. *Proceedings of the Entomological Society of Washington*. 98:256-263.

Wilson, D. E., F. R. Cole, J. D. Nichols, R. Rudran, and M. S. Foster (eds.). 1996. *Measuring and Monitoring Biological Diversity, Standard Methods for Mammals*. Smithsonian Institution Press, Washington, D.C. 409 pp.

Rudran, R., and M. S. Foster. 1996. Conducting a survey to assess mammalian biodiversity. Pp. 71-79, *In* D. E. Wilson, F. R. Cole, J. D. Nichols, R. Rudran, and M. S. Foster (eds.), *Measuring and Monitoring Biological Diversity, Standard Methods for Mammals*. Smithsonian Institution Press, Washington, D.C.

Gannon, W. L., and M. S. Foster. 1996. Recording Mammal Calls. Pp. 311-326, *In* D. E. Wilson, F. R. Cole, J. D. Nichols, R. Rudran, and M. S. Foster (eds.), *Measuring and Monitoring Biological Diversity, Standard Methods for Mammals*. Smithsonian Institution Press, Washington, D.C.

Foster, M. S. 1997. Evolution of Lek Social Systems in Manakins: Alternative Models and Proofs. *Anais V. Congresso Brasileiro de Ornitologia*, UNICAMP, Campinas, Brasil, 1996. Pp. 7-8.

Foster, M. S. 1997. The Potential of Fruiting Trees for Habitat Enhancement. *Anais V Congresso Brasileiro de Ornitologia*, UNICAMP, Campinas, 1996. Pp. 1-4.

Foster, M. S., and Linda S. DeLay. 1998. Dispersal of Mimetic Seeds of Three Species of *Ormosia* (Leguminosae). *J. Tropical Ecology* 14:389-411.

Foster, M. S., and J. Terborgh. 1998. Impact of a rare storm event on an Amazonian forest. *Biotropica* 30:470-474.

Scott, J. M., E. A. Norse, H. Arita, A. Dobson, J. A. Estes, M. S. Foster, B. Gilbert, D. B. Jensen, R. L. Knight, D. Mattson, and M. E. Soulé. 1999. The issue of scale in selecting and designing biological reserves. Pp. 19-37, *In* M. Soulé and J. Terborgh (eds.), *Continental Conservation: Scientific Foundations of Regional Reserve Networks*. Island Press. Washington, D.C.

Dobson, A., K. Ralls, M. S. Foster, M. E. Soulé, D. Simberloff, D. Doak, J. Estes, L. S. Mills, D. Mattson, R. Dirzo, H. Arita, S. Ryan, E. A. Norse, R. F. Noss, and D. Johns. 1999. Corridors: Reconnecting fragmented landscapes. Pp. 129-170. *In* M. Soulé and J. Terborgh (eds.), *Continental Conservation: Scientific Foundations of Regional Reserve Networks*. Island Press. Washington, D.C.

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Foster, M. S. 2001. Prefacio de la editora de la serie sobre la traducción. Pp. xxiii-xxv, *In* E. O. Lavilla (transl.), W. R. Heyer, M. A. Donnelly, R. W. McDiarmid, L. C. Hayek, y M. S. Foster (eds.). *Medición y Monitoreo de la Diversidad Biológica. Métodos Estandarizados para Anfibios*. Editorial Universitaria de la Patagonia. Chubut, Argentina.

Foster, M. S. 2001. Estación Biológica Cocha Cashu: Panorama general. Pp. 19-22, *In* L. O. Rodríguez (ed.), *El Manu y Otras Experiencias de Investigación y Manejo de Bosques Neotropicales*. Proyecto Aprovechamiento y Manejo Sostenible de la Reserva de Biosfera y Parque Nacional del Manu, Cusco, Peru. 309 pp.

Foster, M. S. 2003. Preface to the Russian translation. Pp. xv-xvii, *In* S.M. Lyapkov translator (transl.), Heyer, W. R., M. A. Donnelly, R. W. McDiarmid, L. C. Hayek, and M. S. Foster (eds.). 1994. *Measuring and Monitoring Biological Diversity, Standard Methods for Amphibians*. Smithsonian Institution Press, Washington, D.C.

Mueller, G. M., G. F. Bills, and M. S. Foster (eds.). 2004. *Biodiversity of Fungi, Inventory and Monitoring Methods*. Elsevier Academic Press, New York. xiii + 777 pp.

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