

## CURRICULUM VITAE

**NAME** MICHAEL A. MARES

**BIRTHPLACE** Albuquerque, New Mexico; March 1945

**UNIVERSITY ADDRESS** Sam Noble Oklahoma Museum of Natural History  
University of Oklahoma  
Norman, Oklahoma 73072

**HOME ADDRESS** 3930 Charing Cross Court  
Norman, Oklahoma 73072

**TELEPHONE** 405-325-5093 (university)  
405-360-9962 (home)

## EDUCATION

University of Texas, Austin, Ph.D., 1973 (Zoology)  
Fort Hays Kansas State University, Hays, Kansas, M.S., 1969 (Zoology)  
University of New Mexico, Albuquerque, B.S., 1967 (Biology)

## POSTDOCTORAL EXPERIENCE

1976 Fulbright-Hays Postdoctoral Research Fellowship, Argentina.  
1978 National Chicano Council on Higher Education Research Postdoctoral Fellowship,  
Flagstaff, Arizona.  
1980 Ford Foundation Minority Postdoctoral Fellowship, University of Arizona, Tucson.

## LANGUAGE PROFICIENCY

Fluent in Spanish; read and speak Portuguese; read French.

## PROFESSIONAL EXPERIENCE

**Distinguished Research Curator**, Sam Noble Oklahoma Museum of Natural History, 2003-present.  
**Distinguished Research Professor**, Department of Zoology, 2003-present.  
Director, Oklahoma Museum of Natural History, University of Oklahoma, 1983-2003.  
Professor of Zoology Department of Zoology, and Curator of Mammals (1985-present), Oklahoma Museum of Natural History, University of Oklahoma.  
Associate Professor of Zoology, Department of Zoology, and Associate Curator of Mammals, Stovall Museum, University of Oklahoma 1981-85.  
Visiting Professor of Ecology and Evolutionary Biology, University of Arizona Tucson, 1980-1981.  
Asst./ Assoc. Professor of Biological Sciences, University of Pittsburgh, 1973-1981.  
Visiting Professor of Ecology, Universidad Nacional de Tucuman, Instituto Miguel Lillo, Tucuman, Argentina, 1974.

Adjunct Professor of Zoology, Universidad Nacional de Tucuman, Instituto Miguel Lillo, Tucuman, Argentina, 1972.

Adjunct Professor of Zoology, Universidad Nacional de Cordoba, Argentina, 1971.

## **ADMINISTRATIVE EXPERIENCE**

Responsible for drafting the legislation that established Oklahoma's state museum of natural history as the Oklahoma Museum of Natural History, while working closely with state legislators.

Oversaw the development of a grassroots petition-driven bond issue for the city of Norman which was passed by the voters in a special election in October, 1991, that provided \$5 million dollars for a new museum facility.

Initiated state and federal funding requests, including working with the Oklahoma Legislature, to provide \$15 million in a special statewide capital bond issue that was approved by the voters in a general election in November, 1992.

General responsibilities included management, program development, fund raising, and public service. Specific responsibilities and accomplishments include the following:

Supervised permanent staff of 150, including academic curatorial staff of 14; also oversee > 400 volunteers;

Initiated a development plan that resulted in \$44.5 million to construct a new facility and establish an endowment fund;

Disbursed annual budget of approximately \$11.0 million, including parent institution support, foundation accounts, and grant funds;

Managed the operation of a comprehensive museum of science and history containing about 6 million collection items that was housed in ten buildings having a total of 50,000 sq. ft. of space, and is now housed in a 198,000 sq. ft. state-of-the-art museum facility;

Oversaw an extensive exhibits and public education program reaching > 500,000 people annually, fielding many traveling and in-house exhibits, and reaching 50,000 schoolchildren each year;

Developed design concept for a new 198,000 sq. ft. OMNH facility, including interfacing and directing the activities of two architectural firms and university architectural services, exhibit designers, landscape architects, and numerous consulting firms; responsibilities included all major decision making for the architectural, exhibits, and site plans; major responsibility for overseeing \$44.5 million project budget;

Increased student and public involvement in the museum;

Expanded museum fund-raising activities and secured private funding for the museum, including working with professional public relations agency, media representatives, and special service organizations;

From 1991 to 2002 participated in development activities that raised approximately \$27 million in museum support from private sources, bringing the total public and private fundraising effort to > \$50 million, and more than \$4 million in items donated to the collections.

## **RESEARCH EXPERIENCE**

Desert ecology, conservation, population biology, zoogeography, and South American biology, including mammalogical surveys of Argentina and parts of Brazil, assisted by grants from NSF, National Geographic Society, and the University of Oklahoma, 1981-present.

Evolution and adaptation of desert mammals, University of Pittsburgh. Assisted by grants from the University of Pittsburgh, Fulbright-Hays Award, NCCHE Fellowship, Brazilian Academy of Sciences, Carnegie Museum of Natural History, Smithsonian Foreign Currency Exchange Program, Ford Foundation, 1973-1981.

Studies on ecology, zoogeography and conservation of tropical mammals, assisted by grants from the Fulbright-Hays Fellowships, Carnegie Museum of Natural History, NSF and Brazilian Academy of Sciences, 1975-1986.

Population ecology of vertebrates of northwestern Pennsylvania, University of Pittsburgh Pymatuning Ecology Laboratory. Assisted by NSF-URP grants, 1974-1981.

Ph.D. dissertation: "Climates, mammalian communities, and desert rodent adaptations: An investigation into evolutionary convergence." Advisor: W. Frank Blair, University of Texas at Austin, 1970-1973.

Ecology of tropical bats and tadpoles, done as part of an OTS tropical ecology course, University of Costa Rica, 1970.

M.S. thesis: "Ecological aspects of *Sigmodon hispidus* in a mature ecosystem". Advisor: E. D. Fleharty, Fort Hays State University, Hays, 1967-1969.

Mourning dove nesting ecology and bird population fluctuations, U. S. Dept. of the Interior, Fish and Wildlife Service, Bitter Lakes National Wildlife Refuge, Roswell, New Mexico, 1966.

## PROFESSIONAL SOCIETIES

American Association for the Advancement of Science  
American Association of Museums  
American Institute of Biological Sciences  
American Society of Mammalogists  
American Society of Naturalists  
Natural Science Collection Alliance  
Association of Science Museum Directors  
International Committee for University Museums and Collections  
International Council of Museums  
University Museums and Collections  
Ecological Society of America  
Sociedad Argentina para el Estudio de los Mamíferos  
Sociedad de Biología de Chile  
Society for Conservation Biology  
Southwestern Association of Naturalist

## HONORS AND AWARDS

- 2002 Elected as AAAS Fellow by the American Association for the Advancement of Science "for major contributions to mammal biogeography and conservation and for support and promotion of natural history museums as centers of biodiversity conservation." (October 2002)
- 2002 Citation of Appreciation from the Oklahoma State Senate on behalf of the State of Oklahoma for outstanding accomplishments as director of the Sam Noble Oklahoma Museum of Natural History over 20 years.
- 2002 Inducted into Oklahoma Higher Education Hall of Fame "for outstanding achievement and meritorious service to higher education in Oklahoma." (October 2002)

- 2002 Otis Sullivant Award for Perceptivity. First awardee selected for this \$20,000 cash prize recognizing “intuitiveness, instant comprehension, and empathy for the betterment of society and the broader community. “
- 2000 C. Hart Merriam Award, American Society of Mammalogists (Research in Mammalogy)
- 1999 Outstanding Academic Book for 1999, *Choice Magazine*. *Encyclopedia of Deserts*, ed. by M. A. Mares.
- 1998 Distinguished Alumnus Award: Ft. Hays Kansas State University’s highest award.
- 1996 OU President’s Special Award, Outstanding Faculty Accomplishments.
- 1990 University of Oklahoma Regents Award for Superior Accomplishment in Professional and University Service
- 1989 Don W. Tinkle Research Excellence Award, Southwestern Association of Naturalists
- 1987 University of Oklahoma Associates’ Distinguished Lectureship Award
- 1985 Mid-America State University Honors Lecturer Designation
- 1984 University of Oklahoma Associates’ Distinguished Lectureship Award
- 1980 Ford Foundation Minority Postdoctoral Fellow
- 1978 Sigma Xi, National Scientific Honorary
- 1978 National Chicano Council on Higher Education Postdoctoral Research Fellow
- 1976 Fulbright–Hays Research Fellow
- 1968 Phi Kappa Phi, National Scholastic Honorary
- 1968 Beta Beta Beta, Biology Honorary
- 1966 Phi Sigma, Biology Honorary
- 1963 Member, University of New Mexico Honors Program

## PATRONYMS

*Maresomys boliviensis*: A Bolivian phyllotine rodent genus.

*Tonatia saurophila maresi*: A subspecies of Neotropical bat.

*Lukoschus maresi*: A species of parasitic mite that occurs on Neotropical rodents.

## SPECIAL APPOINTMENTS

- 2000 Smithsonian Institution Council.
- 1994–98 Advisory Board of the Claes Olrog Institute of Conservation Biology, Tucumán, Argentina.
- 1994 Department of Interior’s Advisory Board for the Center for Biological Diversity.
- 1993 Appointed by the Regents and Secretary of the Smithsonian Institution as a member of the “Commission on the Future of the Smithsonian Institution.”
- 1992 Scientific Consultant to the Interim Working Group on Biodiversity, Ecology, and Ecosystems to advise on the scientific content of a treaty dealing with Global Climatic Change and recommend future research strategies on global change; NOAA, Silver Spring, MD, March, 1992.
- 1991 Co-chair, International Programs Committee for SYSTEMATICS 2000, a national plan to revitalize teaching and research in systematics for the next century.
- 1989 Represented the AAS Committee for Western Hemispheric Cooperation at the meeting of the UN Committee on the Progress of Science and Technology for Development in Latin America and the Caribbean in San Jose, Costa Rica, April 1989.
- 1988–91 Board of Directors, Council for the International Exchange of Scholars (Fulbright Commission).
- 1988–91 Chair, CIES Area Advisory Committee on Latin America (Fulbright Commission).
- 1986 Consultant to World Wildlife Fund in Brazil.
- 1982–86 Member, CIES Area Advisory Committee for the Americas (Fulbright Commission).

## CONSULTING

- 2003 Consulting Editor for various children's books on the natural history of desert animals: Capstone Press.
- 2002-03 Various consulting activities related to food contaminants.
- 1998 Consultant to Overhill Farms on mouse contaminant.
- 1998 Consultant to Microsoft on the *Encyclopedia of Natural History*.
- 1995-00 Consultant to Bama Pies, Tulsa Oklahoma, and McDonald's on rodent identification.
- 1989-90 Consultant on Peruvian wildlife and ecology to ENSR, Inc., environmental consulting firm; work entailed EIS writing, presenting a habitat analysis derived from the literature and from aerial photos; predicting wildlife occurrence in varied tropical habitats using information from the literature, museum collections, and local experts; interfacing with local authorities and consultants; project involved construction of a major hydroelectric dam.
- 1983 Consultant to CONICET (Argentine National Science Foundation) on desert research, Mendoza, Argentina; evaluation of a 150-member research organization and instruction in a course in desert ecology for professional biologists.
- 1979 Consultant on Venezuelan wildlife and ecology to NUS, environmental consulting firm; work entailed EIS writing, habitat evaluation, wildlife censusing, interfacing with local authorities and consultants; project involved construction of a major hydroelectric dam.

## GRADUATE STUDENTS

- 1974 Crock, M. Competition and chickadee vocalizations: displacement and convergence. M.S. thesis. University of Pittsburgh.
- 1977 Krzysik, A. J. Resource allocation, coexistence and the niche structure of a stream-bank salamander community. Ph.D. dissertation. University of Pittsburgh.
- 1980 Lacher, T. E., Jr. The comparative social behavior of *Kerodon rupestris* and *Galea spixii* in the xeric Caatinga of northeastern Brazil. Ph.D. dissertation. University of Pittsburgh.
- 1980 Streilein, K. E. The small mammal fauna of the semiarid Brazilian Caatinga: adaptation to a fluctuating environment. Ph.D. dissertation. University of Pittsburgh.
- 1982 Willig, M. R. A comparative ecological study of Caatinga and Cerrado chiropteran communities: composition, structure, morphometrics, and reproduction. Ph.D. dissertation. University of Pittsburgh.
- 1985 Ojeda, R. A. A biogeographic analysis of the mammals of Salta Province, Argentina: patterns of community assemblage in the Neotropics. Ph.D. dissertation. University of Pittsburgh.
- 1985 Nitikman, L. Z. Population ecology of an arboreal small mammal fauna in gallery forest of central Brazil. M.S. thesis. University of Oklahoma.
- 1985 Ernest, K. A. The biology of an aquatic cricetine, *Nectomys squamipes*, in central Brazil. M.S. thesis. University of Oklahoma.
- 1986 Macedo, R. Geographic variation and morphometrics of the South American cricetine, *Bolomys lasiurus*. M.S. thesis. University of Oklahoma.
- 1988 Barquez, R. M. The bats of Argentina. Doctoral dissertation. Universidad Nacional de Tucumán, Argentina (co-Chair).
- 1991 Gettinger, D. G. Associations of arthropods and small mammals in central Brazil: ecology and biosystematics. Ph.D. dissertation. University of Oklahoma (co-Chair).

## POSTDOCTORAL RESEARCHERS

Ojeda, Ricardo A.  
Barquez, Rubén M.  
Díaz, M. Mónica

## INTERNATIONAL SYMPOSIA

1. Plenary film: *Behind the Rain: The Story of a Museum* (Producer and writer). University Museums and Collections International Conference, Macquarie University, Sydney, Australia, 2002.
2. Plenary address: Argentine Mammal Society, Mendoza, Argentina, 2001.
3. Plenary address: International Congress of Museums, Barcelona, Spain, 2001.
4. Plenary address: Argentine Mammal Society, Salta, Argentina, 1999.
5. Plenary address: Argentine Mammal Society, Mendoza, Argentina, 1997.
6. *Neotropical Biodiversity Workshop*: Argentine Mammal Society, Mendoza, Argentina, 1997.
7. Plenary address: Royal Society Symposium on Granite Outcrops, Perth, Australia, 1996.
8. Plenary address: African Small Mammal Symposium, Durban, South Africa, 1995.
9. Plenary address: XIII Pan-American Veterinary Sciences Congress, Santiago, Chile, 1992.
10. Workshop participant: Assessment of the Current State of Activities Required for the Continuing Care of our Nation's Heritage, National Institute for the Conservation of Cultural Property. Washington, DC, 1992.
11. Symposium participant: *Columbus Quincentenary Celebration*, Madrid, Spain, 1992.
12. Symposium participant: *Scientific and Technological Culture in Social Development*, First Congress of the Argentine Educational Organization, Science for All, Buenos Aires, Argentina, 1991.
13. Symposium participant: Resources, Training and Job Placement of Systematists and Evolutionists on a Worldwide Scale, Their Significance in the Global Biodiversity Crisis, Fourth International Congress of Systematics and Evolutionary Biology (ICSEB), University of Maryland, College Park, 1990.
14. Plenary address: Joint Meeting of the Argentine Mammal Society (SAREM) and the American Society of Mammalogists (ASM), Buenos Aires, Argentina, 1990.
15. Symposium co-convenor: *Mammal Collections*, Joint Meeting of the Argentine Mammal Society (SAREM) and the American Society of Mammalogists (ASM), Buenos Aires, Argentina, 1990.
16. Symposium participant: *Scientific Development in Chile*, 25<sup>th</sup> Anniversary Chilean Academy of Sciences, Santiago, Chile, 1989.
17. Workshop participant: Scientific Cooperation Between Chile and the United States, Chilean Academy of Sciences and AAAS, Viña del Mar, Chile, 1989.
18. Workshop participant: Developing Wildlife Biology Graduate Program in Argentina, World Wildlife Fund and SPIDER, Buenos Aires, Argentina, 1989.
19. Symposium participant: *Mammalian Evolutionary Paleocology*, ITC V (International Theriological Congress), Rome, Italy, 1989.
20. Symposium participant: *Drylands and Biodiversity – Focus on Fauna*, AAAS Symposium on Drylands Ecosystems of the Americas, Fortaleza, Brazil, 1989.
21. Workshop participant: *Science Development in Latin America*, United Nations Conference, AAAS representative, San Jose, Costa Rica, 1989.
22. Plenary address: International Symposium on Latin American Mammalogy, Cancun, Mexico, 1987.
23. Plenary address: Association of Argentine Mammalogists annual meeting, Cordoba, Argentina, 1987.
24. Consultant to *World Wildlife Fund*: Federal University of Minas Gerais, Brazil, 1986.

25. *Symposium co-convenor: Present Research and Future Investigations in Desert Biology*, Third International Congress of Systematics and Evolutionary Biology (ICSEB), University of Sussex, Brighton, United Kingdom, 1985.
26. *Plenary address: ITC IV (International Theriological Congress)*, Edmonton, Canada, 1985.
27. *Symposium participant: Ecology of Neotropical Mammals*, ITC IV (International Theriological Congress), Edmonton, Canada, 1985.
28. *Symposium participant: Patterns in the Structure of Mammalian Communities*, ITC IV (International Theriological Congress), Edmonton, Canada, 1985.
29. *Workshop participant: Ecology of Tropical Rodents*, ITC IV (International Theriological Congress), Edmonton, Canada, 1985.
30. *Symposium participant: Territoriality: Conceptual Advances in Field and Theoretical Studies*, American Society of Zoologists, Denver, 1984.
31. *International workshop: Management of Zoological Collections*, Calcutta, India, 1984.
32. *Symposium participant: The Ecology of Deserts*, Instituto de Investigaciones de Zonas Aridas y Semiáridas (IADIZA), Mendoza, Argentina, 1983.
33. *International workshop participant: Mammal Collections' Policies and Needs*, ITC III (International Theriological Congress), Helsinki, Finland, 1982.
34. *Symposium participant: Museum Science*, ITC III (International Theriological Congress), Helsinki, Finland, 1982.
35. *Symposium co-convenor: Mammalian Biology in South America*, Pymatuning Laboratory of Ecology, Linesville, Pennsylvania, 1981.
36. *Workshop participant: Mammalian Biology in South America*, Pymatuning Laboratory of Ecology, Linesville, Pennsylvania, 1981.
37. *Plenary address: International Congress of Ecology*, Jerusalem, 1978.
38. *Congress participant: The Biology and Chemistry of Creosote Bush*, International Conference on the Biology and Chemistry of *Larrea*, Centro de Investigaciones de Química Aplicada, Saltillo, Coahuila, Mexico, 1978.
39. *Symposium participant: Convergent Evolution in Deserts*, AIBS meeting, Society for the Study of Evolution, Tempe, Arizona, 1974.
40. *International Biological Program workshop participant: South American Biogeography*, Harvard University, Cambridge, MA, 1973.
41. *International Biological Program workshop participant: Convergent Evolution*, University of California, Berkeley, 1972.
42. *Conference participant: Convergent Evolution*, International Biological Program, Tucson, Arizona, 1972.
43. *Conference participant: Convergent Evolution*, International Biological Program, Tucuman, Argentina, 1970.

#### **NATIONAL SYMPOSIA**

44. *Plenary Address: South American Mammalogy*. Merriam Award address: American Society of Mammalogists Annual Meeting, Missoula, Montana, 2001.

45. *Plenary Address: Empowering People to Preserve their Heritage*. 17<sup>th</sup> Annual Conference of Ford Fellows: Empowering Communities through Discourse and Action. National Academy of Sciences, University of California, Irvine, 1998.
46. Symposium participant: *Fragile Communities, Ecological Perspectives in the Americas*, Texas A & M University, College Station, 1987.
47. *Symposium participant: Mammalian Conservation*, American Society of Mammalogists, Gainesville, Florida, 1983.
48. *Symposium participant: The Biology of Desert Rodents*, American Society of Mammalogists in Snowbird, Utah, 1982.
49. *Symposium Participant: Desert Ecology*, Department of Ecology and Evolutionary Biology, University of California, Irvine. April 1977.
50. *Symposium participant: Desert Ecology*, International Biological Program Symposium, Alta, Utah, 1976.

#### **OTHER INVITED PRESENTATIONS**

51. Texas Tech University, Lubbock
52. Fort Hays State University, Hays, Kansas
53. International Theriological Congress, Acapulco, Mexico
54. Texas Tech University, Lubbock
55. University of Oklahoma, History of Science Colloquium
56. University of Oklahoma, Norman
57. Desert Research Station, Gobabeb, Namibia
58. Virginia Polytechnic University, Blacksburg
59. University of Kansas, Lawrence
60. University of Colorado, Boulder
61. University of Florida, Gainesville
62. Texas A & M University, College Station
63. University of New Mexico, Albuquerque
64. University of Washington, Seattle
65. Humboldt State University, Arcata, California
66. Yale University, New Haven, Connecticut
67. Huxley College, Western Washington University, Bellingham
68. University of Nebraska, Omaha
69. Kansas State University, Manhattan
70. University of Oklahoma, Norman
71. 11<sup>th</sup> meeting of the Argentine Ecological Society, Cordoba, Argentina
72. Oklahoma Biological Station, Madill
73. Oklahoma State University, Stillwater
74. University of Oklahoma, Norman
75. University of Kansas, Lawrence
76. Arizona State University, Tempe
77. University of Arizona, Tucson
78. Northern Arizona University, Flagstaff
79. University of New Mexico, Albuquerque
80. Southwestern Research Station, Portal, Arizona
81. University of Oklahoma, Norman
82. Texas Tech University, Lubbock
83. University of Arizona, Tucson
84. The Wildlife Society, University of Arizona, Tucson
85. University of Vermont, Burlington



86. University of Akron, Akron, Ohio
87. University of Pennsylvania, Philadelphia
88. Queen's College, London, England
89. Oxford University, Oxford, England
90. Michigan State University, East Lansing
91. Harvard University, Cambridge, Massachusetts
92. University of Western Ontario, London, Canada
93. Smithsonian Institution, National Zoological Park, Washington, DC
94. University of Arizona, Tucson
95. New Mexico State University, Las Cruces
96. University of Texas at El Paso
97. Smithsonian Institution, National Zoological Park, Washington, DC
98. University of California, San Diego

#### CONTRIBUTED PAPERS PRESENTED

99. American Association of Museums, Dallas, Texas, 2002
100. International Theriological Conference, Sun City, South Africa, 2001
101. American Society of Mammalogists: Missoula, MT, 2001
102. Sociedad Argentina para el Estudio de los Mamíferos (SAREM): La Plata, Argentina, 1999
103. (SAREM: Puerto Iguazú, Misiones, Argentina, 1998
104. International Theriological Conference, Acapulco, Mexico, 1997
105. American Society of Mammalogists: Grand Forks, ND, 1996
106. American Society of Mammalogists: Burlington, VT, 1995
107. American Society of Mammalogists: Washington, DC, 1994
108. American Society of Mammalogists: Fairbanks, AK, 1989
109. American Society of Mammalogists: Clemson, SC, 1988
110. American Society of Mammalogists: Orono, ME, 1985
111. American Society of Mammalogists: Arcata, CA, 1984
112. American Society of Mammalogists: Gainesville, FL, 1983
113. American Society of Mammalogists: Snowbird, UT, 1982
114. American Society of Mammalogists: Oxford, OH, 1981
115. American Society of Mammalogists: Kingston, RI, 1980
116. American Society of Mammalogists: East Lansing, MI, 1977
117. Southwestern Association of Naturalists, Corpus Christi, TX, 1981

#### EDITORIAL EXPERIENCE

Editorial Board, *Mastozoología Neotropical*, 1993–present.

Associate Editor, *Journal of Mammalogy*, 1984–1988.

Chair, Editorial Committee, American Society of Mammalogists, 1990–1993.

Editor, *Special Publications*, American Society of Mammalogists, 1990–1995.

Corresponding Editor, *Revista Chilena de Historia Natural*, 1990–1997. [Chile].

Associate Editor, *Revista Mexicana de Mastozoología*, 1989–present. [Mexico].

Member, Editorial Board, *Anales del Instituto de Biología. "Serie Zoología,"* 1989–present. [Mexico].

Member, Editorial Advisory Board, University of Oklahoma Press. 1986–1992.

Board of Directors, *ECOSUR*, 1986–1993. [Argentina].

Editorial Board, *Current Mammalogy*, 1985–1991.

Editorial Board, *Acta Zoológica Mexicana*, 1983–present. [Mexico].

Review editor for the Association of Systematics Collections volume, *Mammal Species of the World*, 1981.

## **SERVICE TO PROFESSIONAL SOCIETIES**

### **American Society of Mammalogists**

Vice-President, 2001–2002.

Chair, Jackson Award Committee, 2000–present.

First Vice-President, 1990–1993.

Member, Committee on International Relations, 1980–1998.

Chair, Committee on International Relations, 1984–1990.

Established and endowed Latin American Student Field Research Award, 1990.

Member, ad hoc committee on women and minorities, 1991–1993.

Chair, North American Organizing Committee for the American Society of Mammalogists joint conference in Buenos Aires in 1990 between the ASM and the Argentine Mammal Society, 1988–1990.

Member, C. Hart Merriam Award Committee, 1982–1986.

Member, U. S. Organizing Committee for the American Society of Mammalogists joint conference in Cancun in 1987 between the ASM and the Mexican Mammal Society.

Member, Board of Directors, 1987–1990; 1993–1996, 1996–1999.

Member, Resolutions Committee, 1977.

### **American Association of Museums**

Chair, accreditation team for the American Museum of Natural History, New York, NY, 1998.

Chair, accreditation team for the Peabody Museum, Yale University, New Haven, CT, 1998.

Member, accreditation team for the Dallas Museum of Natural History, Dallas, TX, 1996.

Chair, accreditation team for the San Diego Museum of Natural History, San Diego, CA, 1996

Chair, accreditation team for the Nebraska State Museum, Lincoln, 1994.

Member, National Advisory Committee on Education and Public Service, 1992–1994.

Member, accreditation team for the United States National Museum of Natural History, Washington, DC, September, 1992.

Member, accreditation team for the San Bernardino County Museum, Redlands, CA, 1990.

Chair, accreditation team for the University of Arkansas Museum of Natural History, Fayetteville, 1989.

Member, accreditation team for the Nebraska State Museum, Lincoln, 1988.

Member, Advisory Group Accreditation Commission on Museum Accreditation Methods, 1988.

### **American Association for the Advancement of Science**

Member, Advisory Committee for Western Hemispheric Cooperation of the AAAS, 1988–1993.

### **Association of Systematic Collections**

Member, Nominating Committee, Association of Systematic Collections, 1990–1994.

### **Council for the International Exchange of Scholars (Fulbright Organization)**

Member, Review Panel of Fulbright Fellowship 50<sup>th</sup> Anniversary Lecturer Awards, 1995.

Member, Executive Committee of the Board of Directors, 1988–91.

Member, Board of Directors Long-range Planning Committee, 1990–91.

Member, Board of Directors, 1988–91.

Member, Board of Directors Audit Committee, 1989–91.

Member, Fulbright Commission Advisory Panels on International Programs (CIES), Washington, DC, 1984, 1985.

Member, Area Advisory Committee for the Americas, 1982–1985.

### **National Science Foundation**

Member, NSF Panel for Biological Research Collections, 2001.

Member, NSF Panel on Doctoral Dissertation Improvement Grants, 1997.

Member, NSF Advisory Panel, Inter-American Institute for Global Change Research, São José, Brazil (IAI), 1996.

Member, NSF Advisory Panel, Career Awards in Population Biology, 1996.

Chair, NSF Minority Predoctoral Fellowship Panel in Biology, 1987.

Member, NSF Review Panel on graduate fellowships, 1984, 1985.

Member, NSF Review Panel on Science Education, 1981.

### **OTHER SERVICE**

Museum Reviews: 2001, University of Georgia, Athens; University of Texas at El Paso.

Member, The National Institute for the Conservation of Cultural Property Advisory Group for “Natural Science Collections Conservation Project,” 1991–1999.

Member, Review Panel, University of New Mexico LTER (Long Term Ecological Research) Sevilleta Research Program, May 1991.

Member, Department of the Interior, U. S. Fish and Wildlife Service, Small Mammal Recovery Team, 1987–1992.

Research Associate, Carnegie Museum of Natural History, 1975–1997.

Advisor (Program Development), Archbold Tropical Research Center, Clemson University, 1990–1996.

Advisor (Biological Sciences), CRICYT (Centro Regional de Investigaciones Cientificas y Tecnológicas), Mendoza, Argentina, 1989–1995.

Member, International Council of Museums Natural History Committee, 1988–1990; 1994–1995.

Reviewer for manuscripts: *American Midland Naturalist*, *American Naturalist*, *American Zoologist*, *Animal Behavior*, *Annals of the Carnegie Museum*, *BioScience*, *Conservation Biology*, *Ecology*, *Ecological Monographs*, *Evolution*, *Fieldiana Zoology*, *Global Ecology and Biogeography Letters*, *Journal of Biogeography*, *Journal of Mammalogy*, *Lab Animal Care*, *Neotropica*, *Proceedings Oklahoma Academy of*

*Science, Revista Chilena de Historia Natural, Science, Southwestern Naturalist, Texas Journal of Science, Trends in Ecology and Evolution, Vida Silvestre Neotropical.*

Grant reviewer: American Philosophical Society, Fulbright Foundation, Guggenheim Foundation, Institute of Museum Services, National Geographic Society, National Research Council U.S.-Mexico Binational Science Foundation, National Science Foundation, National Science Foundation of Argentina, National Science Foundation of Chile, National Science Foundation of Israel, Texas Parks and Wildlife Agricultural Experimental Station, U.S. Department of Agriculture.

Book manuscript reviewer: University of Chicago Press, University of Oklahoma Press, Johns Hopkins University Press, Columbia University Press.

## **LOCAL, STATE AND REGIONAL SERVICE**

Animal Research Council, Oklahoma City Zoo, 1982–85; 1987–1991.

Executive Council, Oklahoma City Zoo, 1983–1985.

Member, Board of Governors, Southwestern Association of Naturalists, 1984–1987.

Honor Lecturer for Mid-American State Universities Association, 1985–1986.

Judge, Pan-American Day, University of Oklahoma, 1986, 1987.

## **GRANTS AND CONTRACTS**

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|-----------------|--|
| 1990 to present | Museum fund raising: \$22 million in public funds; \$26 million in private money; \$4 million annualized increase in continuing state money. |
| 2002            | Institute of Museum and Library Services, Museum Assessment Program, \$ 2,950.   |
| 2001            | National Science Foundation, Biotic Surveys and Inventories, Anatomy of a Biodiversity Hotspot, \$200,000.                                   |
| 1999            | Institute of Museum Services, General Operating Support, \$112,500.  |
| 1999            | National Geographic Society, The mammals of the desert in the sky, \$17,800.   |
| 1998            | National Science Foundation, Biotic Surveys and Inventories, Bird and mammal diversity in northwestern Argentina, \$110,000.                 |
| 1998            | National Science Foundation, Biotic Surveys and Inventories, Research Experience for Undergraduates, Supplement, \$5,000.                    |
| 1997            | Institute of Museum Services, General Operating Support, \$112,500.  |
| 1995            | Institute of Museum Services, General Operating Support, \$112,500.  |
| 1993            | Institute of Museum Services, General Operating Support, \$112,500.  |
| 1993            | O. U. Research Council, Ecology, distribution and conservation of mammals in the Gran Cuyo Region of Argentina, \$3,750.                     |
| 1992            | National Geographic Society, Ecology, distribution and conservation of mammals in the Cuyo Region of Argentina, \$28,000.                    |
| 1991            | National Science Foundation, Systematic Biology Program, Applications of geographic information systems (GIS) in mammalogy, \$7,082.         |
| 1991            | Institute of Museum Services, General Operating Support, \$75,000.   |
| 1989            | National Science Foundation, Systematic Biology Program, Systematics, distribution, and ecology of Argentine mammals, \$154,000.             |
| 1989            | Institute of Museum Services, General Operating Support, \$75,000.   |
| 1988            | National Science Foundation, Latin American Cooperative Research Program, Small mammal ecology in Argentine deserts, \$24,000.               |
| 1988            | Support from various foundations for a new Oklahoma Museum of Natural History facility schematic design planning document, \$125,000.        |
| 1987            | O. U. Research Council, Microhabitat selection among Argentine desert small mammals, \$4,060.  |

- 1987 O. U. Foundation and Graduate Dean, support for museum vehicles, \$35,000.
- 1987 Institute of Museum Services, General Operating Support, \$16,566.
- 1986 O. U. President's Partners Foundation Award, Vertebrate paleontology collection support, \$9,440.
- 1986 O. U. Provost and Graduate Dean, support for Brazilian student fellowship in zoology, \$33,600.
- 1986 O. U. Foundation and Graduate Dean, support for computer development, \$16,000.
- 1985 National Science Foundation, Latin American Cooperative Research Program, Scientific visit to plan research on desert ecology, \$6,000.
- 1985 Institute of Museum Services, General Operating Support, \$75,000.
- 1985 National Science Foundation, Biological Research Resources Program, Revitalization of the Stovall Museum mammal collection, \$54,000.
- 1984 Institute of Museum Services, Museum Assessment Program Award, \$600.
- 1982 National Science Foundation, Latin American Cooperative Research Program, The ecology of Brazilian mammals in the cerrado, \$20,000.
- 1982 National Science Foundation Population Biology, The ecology of small mammals in the Brazilian cerrado, \$10,000.
- 1982 University Research Council, A new apparatus in systematic research, \$3,730.
- 1982 University of Oklahoma Associates Award, Field equipment for Brazilian research, \$7,300
- 1981 University Research Council, The mammals of Oklahoma, \$4,850.
- 1981 University of Oklahoma Associates, Further development of computer-assisted instruction in environmental biology, \$10,000.
- 1980 Carnegie Museum of Natural History, Coexistence of southwestern desert rodents, \$3,000.
- 1980 Ford Foundation, Postdoctoral Fellowship for Minorities, Coexistence of desert rodents in the southwestern United States, \$22,500.
- 1980 National Science Foundation, Undergraduate Research Participation Grant [with Drs. Hartman (P.I.) and Coffman], \$11,880.
- 1980 Provost's Development Fund, University of Pittsburgh, The mammals of Tucuman and Salta Provinces, Argentina, \$1,025.
- 1979 Carnegie Museum of Natural History, Mammal ecology in Argentina, \$4,000.
- 1978 NCCHE (National Chicano Council on Higher Education), Strategies of Granivory in U.S. deserts, \$5,000.
- 1977 Brazilian National Academy of Sciences, Evolution and adaptation of mammals of the caatinga, \$50,000.
- 1977 Smithsonian Foreign Currency Exchange Program, Ecology of Sahara Desert rodents (with Dr. D. Schlitter), \$5,600.
- 1977 National Science Foundation, Undergraduate Research Participation Grant [with Drs. R. Hartman (P.I.) and W. Coffman], \$15,000.
- 1976 Brazilian National Academy of Sciences, Evolution and adaptation of mammals in the caatinga, \$60,000.
- 1976 Carnegie Museum of Natural History, Support for Brazilian research, \$3,000.
- 1976 National Science Foundation, Undergraduate Research Participation Grant [with Drs. R. Hartman (P.I.), W. Coffman and D. Wicklow], \$14,390.
- 1976 Fulbright-Hays Research Award, A preliminary survey of the ecology and zoogeography of the mammals of Salta Province, Argentina, \$7,500.
- 1975 Rachelwood Wildlife Foundation, Competition in stream salamanders in western Pennsylvania, \$14,500.
- 1975 National Science Foundation, Undergraduate Research Participation Grant [with Drs. R. Hartman (P.I.), W. Coffman and D. Wicklow], \$16,113.
- 1975 Pittsburgh Faculty Fund, Evolution of Iranian desert rodents, \$1,700.

## CREATIVE ACTIVITIES

### FILM PRODUCER, FILM WRITER

2002. *Behind the Rain: The Story of a Museum*. Produced by M. A. Mares. Story by M. A. Mares. Directed by Mark Richman. Co-produced by Roberta Pacino. Two films: a one-hour documentary film on the history of the development of the Sam Noble Oklahoma Museum of Natural History, and a one-half hour version of the same film.

## PUBLICATIONS

### BOOKS

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2. Mares, M. A. (ed.). 1983. Charles Banks Wilson's *Search for the Purebloods*. Special Publication, Stovall Museum, 58 pp.
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5. Caire, W., B. P. Glass, J. T. Tyler, and M. A. Mares. 1989. *The Mammals of Oklahoma*. The University of Oklahoma Press, 567 pp.
6. Mares, M. A., and D. J. Schmidly (eds.). 1991. *Latin American Mammalogy: History, Biodiversity and Conservation*. The University of Oklahoma Press, 468 pp.
7. Barquez, R. M., M. A. Mares, and R. A. Ojeda. 1991. *The Mammals of Tucumán (Los Mamíferos de Tucumán)*. Special Publication, Oklahoma Museum of Natural History, 282 pp.
8. Barquez, R. M., N. Giannini, and M. A. Mares. 1993. *Guide to the Bats of Argentina (Guía de los Murciélagos de Argentina)*. Special Publication, Oklahoma Museum of Natural History, 119 pp.
9. Mares, M. A. (ed.). 1999. *Encyclopedia of Deserts*. University of Oklahoma Press, 654 pp. [Award: Outstanding Academic Book for 1999, *Choice Magazine*]
10. Barquez, R. M., M. A. Mares, and J. K. Braun. 1999. *The Bats of Argentina*. Special Publications, Museum of Texas Tech University, Lubbock, Texas, 42:1- 275.
11. Mares, M. A. (ed.) 2001. *A University Natural History Museum for the New Millennium*. Sam Noble Oklahoma Museum of Natural History, 121 pp.
12. Mares, M. A. 2002. *A Desert Calling: Life in a Forbidding Landscape*. Harvard Univ. Press, 318 pp.

### ARTICLES

13. Carley, C., E. D. Fleharty, and M. A. Mares. 1970. Occurrence and activity of *Reithrodontomys megalotis*, *Microtus ochrogaster*, and *Peromyscus maniculatus* as recorded by a photographic device. *Southwestern Naturalist*, 15:209-216.
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18. Fleharty, E. D., J. R. Choate, and M. A. Mares. 1972. Fluctuations in population density of the hispid cotton rat: factors influencing a "crash". *Bulletin Southern California Academy of Science*, 71:132-138.
19. Mares, M. A. 1973. Desert rodent ecology: review for the Origin and Structure of Ecosystems convergent evolution research program. *Acta Zoologica Lilloana*, 30:207-225.
20. Fleharty, E. D., and M. A. Mares. 1973. Habitat preference and spatial relations of *Sigmodon hispidus* on a remnant prairie in west-central Kansas. *Southwestern Naturalist*, 18:21-29.
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26. Blair, W. F., A. C. Hulse, and M. A. Mares. 1976. Origins and affinities of vertebrates of the North American Sonoran Desert and the Monte Desert of northwestern Argentina. *Journal of Biogeography*, 3:1-18.
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30. Mares, M. A. 1977. Water independence in a South American non-desert rodent. *Journal of Mammalogy*, 58:653-656.
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51. Mares, M. A. 1982. The scope of South American mammalian biology: perspectives on a decade of research. Pp. 1–26. In *Mammalian Biology in South America*. M. A. Mares and H. H. Genoways (eds.). Pymatuning Laboratory of Ecology, Spec. Publ. No. 6. Linesville, PA. 539 pp.
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54. Mares, M. A. 1982. Conservation of South American mammals. Pp. 523–524. In *Mammalian Biology in South America*. M. A. Mares and H. H. Genoways (eds.). Pymatuning Laboratory of Ecology Spec. Publ. No. 6. Linesville, PA. 539 pp.
55. Mares, M. A. 1982. Research priorities in South America. Pp. 535–536. In *Mammalian Biology in South America*. M. A. Mares and H. H. Genoways (eds.). Pymatuning Laboratory of Ecology Spec. Publ. No. 6. Linesville, PA. 539 pp.
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