

## CURRICULUM VITAE

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**PERSONAL:** Born 31 December 1950, Perry, Iowa

**EDUCATION:** University of Massachusetts, Amherst - Ph.D. Botany: Mycology - 1980; Dissertation: The genus *Collybia* in New England. Major advisor: Dr. Howard E. Bigelow (deceased).

San Francisco State University - M.A. Biology - 1976; Thesis: The Boletaceae of the Sierra Nevada. Major advisor: Dr. Harry D. Thiers (deceased).

California State College, Stanislaus, Turlock - B.A. Biological Sciences - 1973.

Glendale Community College, California - A.A. - 1971.

Crescenta Valley High School, California - 1969.

### POSITIONS HELD:

Curator of Mycology, The New York Botanical Garden, Bronx, 1996-present.

Associate Curator of Mycology, The New York Botanical Garden, Bronx, 1990-1996.

Assistant Curator of Mycology, The New York Botanical Garden, Bronx, 1984-1990.

Adjunct Professor of Biology, CUNY Graduate School, 1985-present.

Adjunct Senior Research Scientist, Dept. of Ecology, Evolution, & Environmental Biology, Columbia University, 1997-present.

Museum Intern, The New York Botanical Garden, Bronx, 1983-1984.

Postdoctoral Fellow, The Farlow Herbarium, Harvard University, 1980-1983.

Affiliate, Currier House, Harvard University, 1982-present.

Research Assistant, U.S. Army Quartermaster Culture Collection of Fungi (University of Massachusetts), 1976-1978.

Instructor, San Francisco State University, 1975.

## **AWARDS AND GRANTS:**

National Science Foundation, "REVSYS: Revisions in Boletaceae (Fungi)," 2004-2007, \$214,753.

National Geographic Society, "Macrofungi of the Costa Rican Páramo," 2002-2003, \$19,505.

National Science Foundation, "Macrofungi of Costa Rica," Supplement, "Workshop on Basidiomycetes" 2001, \$10,800.

National Science Foundation, "Macrofungi of Costa Rica," 1999-2002, \$155,000.

National Science Foundation, "Basidiomycetes of the Greater Antilles," 1998,1999, \$37,634, (subcontract from SUNY College at Cortland, NY).

National Science Foundation, "Agaricales of Costa Rican *Quercus* Forests," 1993, \$61,066, (subcontract from Field Museum of Natural History).

Buffalo Society of Natural Sciences, Travel Grant, 1992, \$1000.

Buffalo Society of Natural Sciences, Travel Grant, 1987, \$2100.

Buffalo Society of Natural Sciences, Equipment Grant, 1987, \$1880.

National Science Foundation, "Monographic Studies on *Collybia* in tropical South America," 1986-1990, \$88,500.

Sigma Xi Scientific Research Society Grant-in-aid-of Research, 1979, \$300.

Esther Colton Whited Scholarship Award, 1976, \$250.

## **SOCIETY AFFILIATIONS:**

Mycological Society of America, Asociacion Latinoamericana de Micologia, British Mycological Society.

## **GRADUATE STUDENT PROGRAMS:**

Outside committee member for D. E. Desjardin, San Francisco State University, 1985, (M.A.).

Outside committee member for D. E. Desjardin, University of Tennessee, 1985-1989 (Ph.D.).

Major advisor for Katia Rodrigues, CUNY-NYBG, 1986-1988 (Ph.D.).

Major advisor for Esperanza Franco, CUNY-NYBG, 1987-1993 (Ph.D.).

Outside committee member for J. L. Mata, University of Tennessee, 1999-2003 (Ph.D.).

Major advisor for Todd Osmundson, Columbia University, 2003-present.

Major advisor for Maria Alice Neves, CUNY-NYBG, 2003-present.

#### **EDITORIAL WORK:**

Associate Editor, *Brittonia*, 1984-1989; Managing Editor, *Mycologia*, 1989-1996; Index Editor, *Mycologia*, 1996-1997; Managing Editor, *Mycologia Memoirs*, 1989-1991; Editorial Board, *Acta Terramaris* (Venezuela), 1988-1990; Editorial Board, *Caldasia* (Colombia), 1998-present; Associate Editor, *Mycologia*, 2002-2004; Webmaster, Mycological Society of America, 2001-2006.

#### **PUBLIC SERVICE:**

On call with the Poison Control Center, and Plant Information Service.

Scientific advice and identifications provided to New York Mycological Society, Connecticut-Westchester County Mycological Association, New Jersey Mycological Association, Long Island Mycological Club, North American Mycological Association.

Routine identifications and advice to the public-at-large.

Earth & Sky Science Advisor.

#### **FIELD WORK:**

Argentina, Australia, Baltic Republics, Belize, Bolivia, Canada, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, Indonesia, Jamaica, Malaysia, New Zealand, Panama, Papua New Guinea, Puerto Rico, Russia, Scandinavia, Thailand, USA, Venezuela, Western Europe.

#### **RESEARCH IN PROGRESS:**

Systematic revisions of Boletaceae.

Monographic studies on New World Boletaceae.

Boletes of Colombia and Costa Rica.

Floristic studies on Costa Rican Agaricales.

Floristic studies on Agaricales of New York state.

#### **PUBLICATIONS:**

2006. *Austroboletus mutabilis* sp. nov. from northern Queensland. *Muelleria* 24: (in press). (with T. Osmundson, M. A. Neves).
2006. Saprotrophic and ectomycorrhizal macrofungi of Costa Rican oak forests. pp 55-68. *In*: M. Kappelle (ed.). *Ecology and Conservation of Neotropical Montane Oak Forests*. Ecological Series, Vol. 51. Springer. Heidelberg. (with G. M. Mueller, J. Carranza, M. Mata, J. P. Schmit).
- 2003 (2005). The inventory of *Russula* in Costa Rica: discovery of two very rare North American species in montane oak forest. *Bol. Micol. Bresadola* 46: 57-74. (with B. Buyck, G. M. Mueller).
2005. *Common Mushrooms of the Talamanca Mountains, Costa Rica*. New York Botanical Garden Press, Bronx. 195 p. (with G. M. Mueller).
- 2004 (2005). *Boletus flavoruber*, un nouveau bolet du Costa Rica. *Bull. Soc. Mycol. France* 120: 257-262. (with M. Mata).
2004. *Rhodocollybia* (Agaricales) in neotropical montane forests. *Mycological Progress* 3: 337-351. (with J. L. Mata, K. W. Hughes, R. H. Petersen).
2004. New species and mating system reports in *Gymnopus* (Agaricales) from Costa Rica. *Fungal Diversity* 16: 113-129. (with J. L. Mata, R. H. Petersen).
2004. Three new boletes for Costa Rica. *Mem. New York Bot. Gard.* 89: 141-147. (with M. Mata, G. M. Mueller).
2004. Two new *Quercus*-associated *Russulas* from Costa Rica and their relation to some very rare North American species. *Crypt. (Mycol.)* 25: 3-13. (with B. Buyck).
2003. *Leccinum* (Boletaceae) in Costa Rica. *Mycologia* 95: 488-499. (with G. M. Mueller).
2003. *Macrohongos de Costa Rica*. Vol. 2. INBio, Santo Domingo, Costa Rica. 240 p. (with M. Mata, G. M. Mueller).
2003. Une nouvelle chanterelle du Costa Rica: *Cantharellus atrolilacinus* sp. nov. *Crypt. (Mycol.)* 24: 21-25. (with G. Eyssartier & B. Buyck).
2003. The Costa Rican mycology training workshops. *Inoculum* 54(2): 1-4. (with S. M. Huhndorf, G. M. Mueller, & F. A. Fernández).
- 2002 [2003]. *Tylopilus alkalixanthus*, a new species of Boletaceae from Costa Rica and Japan. *Brittonia* 54: 262-265. (with A. Amtoft & G. M. Mueller).
2002. Agarics and boletes of Neotropical oakwoods. *In*: *Tropical Mycology*, Watling, R., J. C. Frankland, A. M. Ainsworth, S. Isaac, and C. H. Robinson, eds. CABI Publishing, UK, p. 1-10. (with G. M. Mueller).
2001. *Tylopilus bulbosus* sp. nov. from Costa Rica. *Harvard Papers in Botany* 6: 109-112. (with G. M. Mueller).

2001. I boleti del New York Botanical Garden. *I Funghi* 8(76): 30-36. (with R. Maziero).
2001. Ectomycorrhizae: Co-evolution, significance and biogeography. *Ann. Missouri Bot. Gard.* 88: 5-13.
2000. Setas de Colombia (Agaricales, Boletales y otras Hongos), Guía de Campo. COLCIENCIAS – Universidad de Antioquia. 156 pp. (with A. E. Franco-M. & R. Aldana-G.).
2000. Harry Delbert Thiers. *McIlvainea* 14(2): 46-50. (with B. M. Thiers).
2000. Some Entolomataceae (Agaricales) from Costa Rica. *Brittonia* 52: 121-135. (with T. J. Baroni).
1999. New *Leccinums* from Costa Rica. *Kew Bull.* 54: 747-753.
1999. New boletes from Costa Rica. *Mycologia* 91: 893-899. (with G. M. Mueller).
1999. A new *Phylloporus* (Basidiomycetes, Boletaceae) with a key to species in Colombia and Costa Rica. *Mycotaxon* 73: 63-67. (with G. M. Mueller & M. Dallwitz).
1999. A new species and a new record for the genus *Xerula* (Agaricales) from Costa Rica. *Mycotaxon* 71: 105-110. (with G. M. Mueller).
1999. Agaricales of the Hawaiian Islands. 5: The genera *Rhodocollybia* and *Gymnopus*. *Mycologia* 91: 166-176. (with D. E. Desjardin and D. E. Hemmes).
1999. Macrofungi of Costa Rica. <<http://www.nybg.org/bsci/res/hall/index.html>>
- 1998 onwards. *Leccinum* and *Phylloporus* in Costa Rica: Descriptions, Illustrations, Identification, and Information Retrieval. Version: 20 February 2000. (with G. M. Mueller, and M. J. Dallwitz)
1998. Generic affinity of *Boletus separans*. *Bull. Buffalo Soc. Nat. Sci.* 36: 239-243. (with E. Both).
1997. *Gymnopus villosipes*: a common collybioid agaric from California. *Mycotaxon* 60: 141-147 (with D. E. Desjardin and B. A. Perry).
1997. Generic concepts within the groups of *Marasmius* and *Collybia* sensu lato. *Mycotaxon* 63: 359-368 (with V. Antonín and M. E. Noordeloos).
1997. Index to *Mycologia* vol. 89. *Mycologia* 89: 977-996.
1997. Type studies of *Amanita morenoi* and *Amanita pseudospreta* and a reinterpretation of crassospores in *Amanita*. *Mycologia* 89: 278-288 (with R. E. Tulloss).
1997. A revision of *Collybia* s.l. in the northeastern United States and adjacent Canada. World Wide Web page at URL: <http://www.nybg.org/bsci/res/col/colintro.html>
1996. Agaricales of Costa Rican *Quercus* forests. World Wide Web site at URL:

<<http://www.nybg.org/bsci/res/hall/index.html>>

1996 (1997). Boletaceae (Agaricales): Latitudinal biodiversity and biological interactions in Costa Rica and Colombia. *Rev. Biol. Trop.* 44(suppl. 4): 111-114.

1996 (1997). Index to Mycologia vol. 88. *Mycologia* 88: 1037-1057.

1996 (1997). Notes on *Collybia* V. *Gymnopus* section *Levipedes* in tropical South America, with comments on section *Collybia*. *Brittonia* 48: 487-494.

1996. Agaricales from Costa Rica: New taxa with ornamented spores. *Mycologia* 88: 666-670. (with A. E. Franco-M.).

1996. Recommendations for collecting mushrooms for scientific study. pp. 135-141. In: M. N. Alexiades, (ed.). *Selected guidelines for Ethnobotanical research: A field manual*. The New York Botanical Garden, Bronx.

1995. Evidence for high biodiversity of Agaricales (Fungi) in neotropical montane *Quercus* forests. In: S. Churchill, H. Balslev, E. Forero, & J. Luteyn, (eds.). *Biodiversity and Conservation of Neotropical Montane Forests*. New York Botanical Garden, Bronx. (with G. M. Mueller). p. 303-312.

1993 (1994). Mating behavior in the Xerulaceae: *Oudemansiella*. *Trans. Mycol. Soc. Japan* 34: 409-421. (with R. H. Petersen).

1993. Two new Crinipellinae (Tricholomataceae: Marasmieae) from South America. *Mycotaxon* 47: 379-385.

1992. A new species of *Boletus* section *Luridi* from Colombia. *Brittonia* 44: 322-325.

1992. New species of *Rhodocybe* from South America with a key to species. *Mycologia* 84: 411-421. (with T. J. Baroni).

1992. Studies on *Amanita* (Amanitaceae) from Andean Colombia. *Mem. New York Bot. Gard.* 66: 1-46. (with R. E. Tulloss and C. L. Ovrebo).

1991. New records of *Phaeocollybia* from Colombia. *Mycologia* 83: 464-472 (with E. Horak).

1990. A new species of *Phylloporus* and a new species of *Tricholomopsis* from Colombia with notes on *Phylloporus boletinoides*. *Mycologia* 82: 452-459. (with R. Singer and C. L. Ovrebo).

1990. *Collybia fuscopurpurea* in the Americas (Notes on *Collybia* IV). *Mycol. Res.* 94: 671-674.

1989 (1990). Notes on *Collybia* III. Three neotropical species of subg. *Rhodocollybia*. *Mycologia* 81: 870-875.

1989. *Ascosparassis heinricherii* from the Americas. *Mycotaxon* 35: 283-285. (with D. H. Pfister).

1989. *Tylopilus griseocarneus*, a new species from the North American Atlantic and Gulf Coastal Plain. *Mycologia* 81: 342-346. (with C. B. Wolfe, Jr.)
1989. New York State Agarics. I. *Mem. New York Bot. Gard.* 49: 173-180. (with T. J. Baroni).
1989. A synopsis of Colombian Boletes. *Mycotaxon* 34: 93-113.
1987. A new species of *Rozites* from oak forests of Colombia with notes on biogeography. *Mycologia* 79: 674-678. (with C. L. Ovrebo).
1987. Studies on *Marasmiellus* (Tricholomataceae) in the United States I: A new species and a new combination. *Syst. Bot.* 12: 400-405.
1987. California Collybias. I. *Collybia bakerensis*: A common snowbank agaric. *Mycotaxon* 29: 321-327. (with D. E. Desjardin).
1987. *Xeromphalina nubium* sp. nov. from Cerro de la Neblina, Venezuela. *Mycologia* 79: 383-386. (with S. A. Redhead).
1986. Index to species and infraspecific taxa of agarics and boletes described by William A. Murrill. *Mem. New York Bot. Gard.* 40: 1-120.
1986. *Tricholoma fulvimarginatum*: A new species associated with cottonwood in North America. *Brittonia* 38: 260-263. (with C. L. Ovrebo).
1985. *Rhodocybe pulchrisperma* (Entolomataceae): A new species from North America. *Brittonia* 37: 182-185. (with T. J. Baroni).
1985. Additions to *Marasmius* section *Globulares*. *Mycotaxon* 22: 469-476. (with D. Desjardin & R. Tish).
1984. A note on *Tricholoma niveipes*. *Mycotaxon* 20: 473-478. (with C. L. Ovrebo & T. J. Baroni).
1983. A synopsis of *Marasmius* section *Globulares* (Tricholomataceae) in the United States. *Brittonia* 35: 317-326.
1983. The genus *Collybia* (Agaricales) in the northeastern United States and adjacent Canada. *Mycologia Memoirs* no. 8. 148 p.
1983. Boletes described by Charles C. Frost. *Mycologia* 75: 70-92.
1982. *Marasmiellus papillatus*. *Fungi Canadensis* No. 215. (with S. A. Redhead).
1981. Thaxter's Thaxterogasters and other Chilean hypogeous fungi. *Mycologia* 73: 853-868.
1981. Notes on *Collybia*. II. Additional taxa that are green in alkaline solution. *Mycologia* 73: 634-642.
1979. Notes on *Collybia* I. *Collybia alkalivirens*. *Mycotaxon* 8: 453-458.

1977. California boletes. VI. Some unreported species from the Sierra Nevada of California. *Mycologia* 69: 206-210.

1976. California boletes. V. Two new species of *Boletus*. *Mycologia* 68: 976-983. (with H. D. Thiers).

**Published abstracts:**

2002. Global diversity and distribution of macrofungi. p. 33. IMC 7 Book of Abstracts.

2002. Disjunct distributions of some tropical agarics and boletes. p. 112. IMC 7 Book of Abstracts.

2002. Diversity and distribution of boletes in Costa Rica. p. 69. Abstracts from "Studies on Latin American Fungi," 4<sup>th</sup> Congreso de Assoc. Latinoamericano de Micología, Xalapa, Mexico.

2002. Agaricales de Costa Rica. p. 68. Abstracts from "Studies on Latin American Fungi," 4<sup>th</sup> Congreso de Assoc. Latinoamericano de Micología, Xalapa, Mexico.

2000. Macromycetes of Neotropical Oakwoods. p. 2. Abstracts of Brit. Mycol. Soc. Symposium "Tropical Mycology 2000."

1999. Biogeographic connections between neotropical agaric fungi and the temperate zones. p. 142. Abstracts of IBC XVI, St. Louis, MO. Paper delivered in symposium entitled: Phytogeography of the Caribbean Basin.

1998. The genus *Cortinarius* (Agaricales), subgenus *Myxacium* in Costa Rica. *Inoculum* 49(2): 7. (with J. Ammirati, M. Seidl, & G. M. Mueller).

1998. Three new species of *Lactarius* associated with *Colombobalanus* in the highlands of Colombia. *Inoculum* 49(2): 36. (with A. S. Methven)

1997. Diversity and composition of Agaricales in Costa Rican oak forests. *Inoculum* 48(3): 13. (with G. M. Mueller)

1997. Diversity and composition of Agaricales (Fungi: Basidiomycetes) in Costa Rican oak forests. ATB/OTS Annual Meeting Program and Abstracts, p. 65 (abstract).

1994. Agaricales of Costa Rican *Quercus* forests. 6th CLB. p. 114. (with A. E. Franco & G. M. Mueller)

1994. Agaricales of Costa Rican *Quercus* Forests. Poster and oral presentation at the Latin America Botanical Congress, October 1994, Mar del Plata, Argentina.

1994. Observations on Boletaceae. IMC-5. p. 81.

1994. An alternative concept of *Collybia* (Agaricales). IMC-5. p. 80.

1993. An overview of Neotropical montane Mushrooms (Fungi, Agaricales). AAU Reports 31: 47.

1988. Preliminary observations on South American Collybias. Mycol. Soc. Amer. Newsl. 39(1): 30. (abstract).

1987. Some agarics and boletes of Colombian oak forests. Mycol. Soc. Amer. Newsl. 38(1): 27.

1986. Relationships of some xerocomoid boletes to *Boletellus*. Mycol. Soc. America Newsl. 37(1): 28.

#### **Book Reviews:**

2002. Moore, D., M. M. Nauta, S. E. Evans, and M. Rotheroe. 2001. Fungal Conservation: Issues and solutions. IN Brittonia 54: 143-144.

2000. Watling, R. and E. Turnbull. British Fungus Flora. Agarics and Boleti. 8. Cantharellaceae, Gomphaceae and amyloid spores and xeruloid members of Tricholomataceae (excl. *Mycena*). IN Inoculum 51(2): 14. (review)

1999. Grgurinovic, C. A. Larger fungi of South Australia by. IN Inoculum 50(2): 15.

1997. Hawksworth, D. L. et al. Ainsworth & Bisby's Dictionary of the Fungi, 8th Ed. IN Mycologia 89: 821-823.

1995. Ginns, J. and M. N. L. Lefebvre. Lignicolous corticioid fungi of North America. IN Brittonia 47: 92

1993. Metzler, S. and V. Metzler, O. K. Miller, Jr. Scientific Advisor. Texas Mushrooms. Corrie Herring Hooks Series, No. 18. University of Texas Press. IN Brittonia 45: 38.

1992. Breitenbach, J. and F. Kranzlin. Fungi of Switzerland, Vol. 3-Boletes and Agarics 1st Part. IN Mycologia 84: 598.

1990. Noordeloos, M. E. *Entoloma* (Agaricales) in Europe. Beih. Nova Hedwigia Heft 91. IN Brittonia 42: 37.

1989. Boddy, L., R. Watling, and A. J. E. Lyon, eds. Fungi and Ecological Disturbance. Roy. Soc. Edinburgh publ. 22/24, IN Mycologia 81: 826-827.

1989. Gulden, G. and K. M. Jenssen. Arctic and Alpine Fungi-2. Soppkonsulentent, Oslo. IN Mycologia 81: 827.

1989. Corner, E. J. H. Ad Polyporaceae IV. Beih. Nova Hedwigia Heft 86. IN Brittonia 41: 9.

1987. Singer, R. Agaricales in Modern Taxonomy, 4th rev. ed. Koeltz Scientific Books. IN Bull. Torrey Bot. Club 114: 342-343.

1987. Kuyper, T. W. A revision of the genus *Inocybe* in Europe I. Subgenus *Inosperma* and the smooth-spored species of subgenus *Inocybe*. Persoonia Supplement Volume 3. IN Brittonia 39: 406.

1987. Moore, D., L. A. Casselton, D. A. Wood & J. C. Frankland, eds. Developmental Biology of Higher Fungi. British Mycol. Soc. Symposium 10. IN Brittonia 39: 132.

1987. Ammirati, J. F., J. A. Traquair, & P. A. Horgen. Poisonous Mushrooms of the Northern United States and Canada. Univ. Minnesota Press, Minneapolis. IN Brittonia 39: 25.

1986. George, A. S. An Introduction to the Proteaceae of Western Australia. Kangaroo Press, Australia. IN Brittonia 38: 359.

1986. George, A. S. The *Banksia* Book. Kangaroo Press, Australia. IN Brittonia 38: 170.

1985. Dickinson, C. H. & J. A. Lucas. Plant Pathology and Plant Pathogens. Blackwell Scientific Publications. IN Brittonia 37: 242.

1985. Deacon, J. W. Introduction to Modern Mycology. Blackwell Scientific Publications. IN Brittonia 37: 191.