

CURRICULUM VITAE

Roy E. Halling
Denver Botanic Gardens, Denver, CO
The New York Botanical Garden, Bronx, NY

PERSONAL: Born 31 December 1950, Perry, Iowa

EDUCATION: University of Massachusetts, Amherst - Phd. 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:

Adjunct Researcher, Denver Botanic Gardens, Denver, 2021-present.

Curator of Mycology (Emeritus), The New York Botanical Garden, Bronx, 2019-present.

Curator of Mycology, The New York Botanical Garden, Bronx, 1996-2018.

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

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

Conjoint Fellow, School of Environmental & Life Sciences, University of Newcastle, NSW, Australia, 2017-2019.

Adjunct Professor of Biology, CUNY Graduate School, 1985-2018.

Adjunct Senior Research Scientist, Earth Institute Center for Environmental Sustainability, Columbia University, 1997-2018.

Adjunct Senior Research Scientist, Dept. Ecology, Evolution, Environmental Biology, Columbia University, 1997-2016.

Adjunct Professor, Fordham University, 2008-2018.

Research Fellow, Division of Mycology, Curatorial Department, Buffalo Museum of Science, 1984-2012.

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

Postdoctoral Fellow (Cryptogamic Botanist), The Farlow Herbarium, Harvard University, 1980-1983.

Affiliate, Currier House, Harvard University, 1982-2018.

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

Instructor, San Francisco State University, 1975.

HONORS:

Distinguished Mycologist, Mycological Society of America, 2017. Fellow of the Mycological Society of America, 2006.

GRANTS and AWARDS:

National Science Foundation, ADBC: Digitization TCN: Collaborative: The Microfungi Collections Consortium: A Networked Approach to Digitizing Small Fungi with Large Impacts on the Function and Health of Ecosystems, July 2015 – June 2018, \$470,639.00

National Science Foundation, CSBR: Natural History: Expansion of the New York Botanical Garden Herbarium to Incorporate Newly Acquired Specimens and Improve Curation, June 2014 – May 2016, \$330,806.00

National Science Foundation, "The Macrofungi Collection Consortium: Unlocking a Biodiversity Resource for Understanding Biotic Interactions, Nutrient Cycling and Human Affairs," 2012-2017. \$1,312,125.

National Science Foundation, "Boletineae of Queensland, Australia," 2010-2015, \$307,105.

National Geographic Society, "Macrofungi of Fraser Island, Australia," 2009-2011, \$23,560.

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, Australasian Mycological Society, British Mycological Society, Colorado Mycological Society, Fungimap, North American Mycological Association, Fungal Network of New Zealand, Asociación Latinoamericana de Micología.

STUDENT PROGRAMS:

Outside committee member for D.E. Desjardin, San Francisco State University, 1985 (M.A.); University of Tennessee, 1985-1989 (Ph.D.).

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

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

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

Major advisor for Maria-Alice Neves, CUNY-NYBG, 2003-2007 (Phd.).

Major advisor for Todd Osmundson, Columbia University, 2003-2008 (Phd.).

Major advisor for Naveed Davoodian, CUNY-NYBG, 2010-2018 (Phd.).

Mentor for Olga Khmelnsky, Bronx High School of Science, 2016-2018. (Regeneron Scholar).

Mentor for Heidi Prichard, University of Newcastle, NSW, Australia 2018 (Honors Research).

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), 1998-2002; Associate Editor, *Mycologia*, 2002-2004; Editorial Advisory Committee, *Mycologia*, 2010-2018; 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.

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

Earth & Sky Science Advisor.

NPR's Science Friday: Stalking the Wild Mushroom
(<http://www.sciencefriday.com/video/09/12/2008/stalking-the-wild-mushroom.html>)

NPR's Radio Lab: Tree to Shining Tree
<http://www.radiolab.org/story/from-tree-to-shining-tree/>

Webmaster, Mycological Society of America, 2001-2006.

Vice President, President Elect, President, Past-President, Mycological Society of America, 2006-2011.
Chairman, Nomenclature Committee, Mycological Society of America, 2010-2015.
Editorial Advisory Committee, *Mycologia*, 2010-2018.

FIELD WORK:

Argentina, Australia, Baltic Republics, Belize, Bolivia, Brazil, 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 Boletineae.

Global diversity and biogeography of Boletineae.

Costa Rican Macrofungi.

PUBLICATIONS:

Tremble K, **Halling R.E.**, Henkel T.W., Moncalvo J.M., Dentinger B.T.M. 2023.
Nomenclatural novelties. Index Fungorum no. 555. (<https://www.indexfungorum.org/Publications/Index%20Fungorum%20no.555.pdf>.)

Matheny, P.B., L.V. Kudzma, M.G. Graddy, S.M. Mardini, C.R. Noffsinger, R.A. Swenie, N.C. Walker, S.R. Campagna, **R. Halling**, R. Lebeuf, M. Kuo, D.P. Lewis, M.E. Smith, M. Tabassum, S.A. Trudell, J. Vauras. 2023. A phylogeny for North American *Mallocybe* (*Inocybaceae*) and taxonomic revision of eastern North American taxa. *Fungal Systematics and Evolution* 12: 153-201.
(<https://doi.org/10.3114/fuse.2023.12.09>)

Shumkaya, M., K.S. Mironov, J.A. Ballesteros, I. Safonov, **R.E. Halling**. 2023.
DNA isolation and genome sequence of the 134-year-old holotype species of *Boletus subvelutipes* Peck. *Ecology and Evolution* (<https://doi.org/10.1002/ece3.10389>)

- Halling, R.E.** N.A. Fechner, G. Holmes, N. Davoodian. 2023. *Kgaria* (Boletaceae, Boletoidae) gen. nov. in Australia: Neither a *Tylopilus* nor a *Porphyrellus*. *Fungal Systematics and Evolution* 12: 31-45. (<https://doi.org/10.3114/fuse.2023.12.02>)
- Montoya, L., A. Ramos, **R.E. Halling**, V.M. Bandala. 2022. A new species and a new record of *Tylopilus* (Boletaceae) of the *balloui* group in lowland and montane forests from Eastern Mexico. *Mycological Progress* 22: 1-14 (<https://doi.org/10.1007/s11557-022-01850-9>)
- Liimatainen, J.F. Ammirati, T. Niskanen, A. Corrales, C. Ovrebo, B. Dima, **R. Halling**, D. Savage. 2022. Nomenclatural novelties. *Index Fungorum* no. 528: 1-10.
- Matheny, P.B., A. Corrales, M.G. Graddy, **R.E. Halling**, J. Kalichman, L.V. Kudzma, C.L. Ovrebo, R.A. Swenie, N.C. Walker. 2022. A revision of the *Inocybe grammata* group in North America including four new taxa. *Brittonia* 74: 436-464..
- Liu, J.-W., Z.-W. Ge, E. Horak, A. Vizzini, **R.E. Halling**, C.-L. Pan, Z.L. Yang. 2021. *Squamantitaceae* and three new species of *Squamanita* parasitic on *Amanita* basidiomes. *IMA Fungus* 12: 1-24. (open access: <https://doi.org/10.1186/s43008-021-00057-z>).
- Guard, F.E., S. McMullan-Fisher, J. Van Wyk, T. Lebel, **R.E. Halling**. 2021. *Austroboletus yourkae*, sp. nov. (Fungal Planet description sheet 1336, p. 276-277), **IN**: P. Crous *et al.*, Fungal Planet description sheets: 1284-1382. *Persoonia* 47: 178-374.
- Ovrebo, C.L., **R.E. Halling**, K.W. Hughes, M. Kuo. 2021. New species and records of *Tricholoma* (Agaricales: Tricholomataceae) sections *Genuina* and *Megatracholoma* from Costa Rica and United States. *Journal of the Botanical Research Institute of Texas* 15(2): 545-557. (open access: <https://doi.org/10.17348/jbrit.v15.i2.1160>).
- Osmundson, T.W., N.L. Bougher, R.M. Robinson **R.E. Halling**. 2021. *Rubinoboletus phaseolisporus* (Boletaceae) from Western Australia is a *Tylopilus* with bean-shaped spores. *Nuytsia* 32: 87-97.
- Vadthananarat, S., **R.E. Halling**, M. Amalfi, S. Lumyong, O. Raspé. 2021. An unexpectedly high number of new *Sutorius* (Boletaceae) species from northern and northeastern Thailand. *Frontiers in Microbiology* 12: 1-27. (open access: <https://doi.org/10.3389/fmicb.2021.643505>).
- Liu, J.-W., Z.W. Ge, E. Horak, A. Vizzini, **R.E. Halling**, C.L. Pan, Z.-L. Yang. 2021. *Squamantitaceae* and three new species of *Squamanita* parasitic on *Amanita* basidiomes. *IMA Fungus* 12: 1-24. (open access: <https://doi.org/10.1186/s43008-021-00057-z>)
- De Crop, E., L. Delgat, J. Nuytinck, **R.E. Halling**, A. Verbeken. 2021. A short story of nearly everything in *Lactifluus* (Russulaceae). *Fungal Systematics and Evolution* 7: 133-164.
- Halling, R.E.**, N. Fechner, N. Davoodian. 2020. *Veloboletus limbatus*, gen. et sp. nov. *Persoonia* 45: 398-399 (Fungal Planet 1178).
- Syme, K., G. Bonito, T. Lebel, N. Fechner, **R.E. Halling**. 2020. *Austroboletus asper*, sp. nov. *Persoonia* 45: 328-329 (Fungal Planet 1143).

- Davoodian, N., K. Hosaka, O. Raspé, O.A. Asher, A.R. Franck, A. De Kesel, T.P. Delaney, J.F. Ammirati, E. Nagasawa, B. Buyck, **R. E. Halling**. 2020. Diversity of *Gyroporus* (Gyroporaceae, Boletales): *rpb2* phylogeny and three new species. *Phytotaxa* 434(3): 208-218.
- He, M.-Q., R.-L. Zhao, K. D. Hyde, D. Begerow, M. Kemler, A. M. Yurkov, E. McKenzie, O. Raspé, M. Kakishima, S. Sanchez-R., E. Vellingam, **R. E. Halling**, et al. 2019. Notes, outline and divergence times of Basidiomycota. *Fungal Diversity* 99(1): 105-367.
- Delgat, L., G. Dierickx, S. De Wilde, C. Angelini, E. De Crop, R. De Lange, **R. E. Halling**, C. Manz, J. Nuytinck, A. Verbeken. 2019. Looks can be deceiving: the deceptive milkcaps (*Lactifluus*, Russulaceae) exhibit low morphological variance but harbour high genetic diversity. *IMA Fungus* 10: 14-25.
- Dierickx, G., M. Froyen, **R.E. Halling**, K. Wisitrassameewong, L. Delgat, E. De Crop, A. Verbeken. 2019. Updated taxonomy of *Lactifluus* section *Luteoli*: *L. russulisporus* from Australia and *L. caliendrifer* from Thailand. *MycKeys* 56: 13-32.
- Vadthananarat, S., M. Amalfi, **R.E. Halling**, V. Bandala, S. Lumyong, O. Raspé. 2019. Two new *Erythrophylloporus* species (Boletaceae) from Thailand, with two new combinations of American species. *MycKeys* 55: 29-57.
- Davoodian, N., N.L. Bougher, N.A. Fechner, S.E. Bergemann, **R.E. Halling**. 2019. Three new species of *Gyroporus* (Boletales, Basidiomycota) from Australia. *Muelleria* 37: 101-107.
- Ovrebo, C.L., K.W. Hughes, **R.E. Halling**. 2019. Three new species of *Tricholoma* from Costa Rica. *Phytotaxa* 392(1): 33-44.
- Khmelnitsky, O., N. Davoodian, P. Singh, O. Raspé, S. Lee, N. Fechner, G. Bonito, T. Lebel, **R.E. Halling**. 2019. *Ionosporus*: A new genus for *Boletus longipes* (Boletaceae), with a new species, *I. australis*, from Australia. *Mycological Progress* 18: 439-451.
- Davoodian, N., S.E. Bergemann, K. Hosaka, O. Raspé, N.L. Bougher, N.A. Fechner, T.W. Henkel, M. Gelardi, K. Soyong, A. Naseer, B. Ortiz-Santana, T.J. Baroni, E. Nagasawa, M.E. Smith, **R.E. Halling**. 2018. A global view of *Gyroporus*: molecular phylogenetics, diversity patterns, and new species. *Mycologia* 110: 985-995.
- Wang, X.-H., **R.E. Halling**, V. Hofstetter, T. Lebel, B. Buyck. 2018. Phylogeny, biogeography and taxonomic re-assessment of *Multifurca* (Russulaceae, Russulales) using three-locus data. PlosOne doi.org/10.1371/journal.pone.025840.
- Wang, X.H., **R.E. Halling**, V. Hofstetter, T. Lebel, B. Buyck. 2018. Nomenclatural novelties. *Index Fungorum* 358.
- Thiers, B.M. **R.E. Halling**. 2018. The Macrofungi Collection Consortium. *Applications in Plant Sciences* 6(2):e1021.
- Gelardi, M., N. Fechner, **R.E. Halling**, F. Costanzo. 2017. *Gymnogaster boletoides* J.W. Cribb (Boletaceae, Boletales), a striking Australian secotioid bolete. *Austrobaileya* 10(1): 121-129.

- Han, L.H., B. Feng, G. Wu, **R.E. Halling**, B. Buyck, N.S. Yorou, S.T.N. Ebika, Z.L. Yang. 2017. African origin and global distribution patterns: Evidence inferred from phylogenetic and biogeographical analyses of ectomycorrhizal fungal genus *Strobilomyces*. *Journal of Biogeography* 45(1): 201-212. (DOI: 10.1111/jbi.13094)
- Fechner, N., G Bonito, N.L. Bougher, T. Lebel, **R.E. Halling**. 2017. New species of *Austroboletus* (Boletaceae) in Australia. *Mycological Progress* 16: 769-775. DOI:10.1007/s11557-017-1314-0
- Chakraborty, D., K. Das, A. Baghela, S. Adhikari, **R.E. Halling**. 2017. A new species of porcini mushroom from India with morphology and phylogeny. *Nova Hedwigia* 105(1-2): 197-204.
- Tullos, R.E., T. W. Kuyper, E.C. Vellinga, Z.-L. Yang, **R.E. Halling**, et al. 2016. The genus *Amanita* should not be split. *Amanitaceae* 1(3): 1-16.
- Han, L.H., B. Buyck, N.S. Yorou, **R.E. Halling**, Z.-L. Yang. 2017. *Afroboletus sequestratus* (Boletales), the first species with sequestrate basidioma in the genus. *Phytotaxa* 305(1): 11-20.
- Wu, G., K. Zhao, Y.-C. Li, N.-K. Zeng, B. Feng, **R.E. Halling**, Z.-L. Yang. 2016. Four new genera of the fungal family Boletaceae. *Fungal Diversity* 81: 1-24.
- Vellinga, E.C., T. W. Kuyper, J. Ammirati, D.E. Desjardin, **R.E. Halling**, et al. 2015. Six simple guidelines for introducing new genera of macrofungi. *IMA Fungus* 6: 65-68.
- Zhao, K., G. Wu, **R.E. Halling**, Z.L. Yang. 2015. Three new combinations in *Butyriboletus* (Boletaceae). *Phytotaxa* 234(1): 51-62.
- Halling, R.E.**, N. Fechner, M. Nuhn, T. Osmundson, K. Soyong, D. Arora, M. Binder, D. Hibbett. 2015. Evolutionary relationships of *Heimioporus* and *Boletellus* (Boletales), with an emphasis on Australian taxa including new species and new combinations in *Aureoboletus*, *Hemileccinum* and *Xerocomus*. *Australian Systematic Botany* 28(1): 1–22. (includes color image for journal cover)
- Zhu, X.-T, G. Wu, K. Zhao, **R.E. Halling**, Z.-L. Yang. 2015. *Hourangia*, a new genus of Boletaceae to accommodate *Xerocomus cheoi* and its allied species. *Mycological Progress* 14:37 (DOI 10.1007/s11557-015-1060-0).
- Halling, R.E.**, D.E. Desjardin, N. Fechner, D. Arora, K. Soyong, B.T.M. Dentinger. 2014. New Porcini (*Boletus* sect. *Boletus*) from Australia and Thailand. *Mycologia* 106: 830-834.
- Davoodian, N., **R.E. Halling**. 2013. Validation and typification of *Gyroporus purpurinus*. *Mycotaxon* 125: 103-105.
- Thiers B.M., N. Wilson, **R.E. Halling** 2013. Making Scientific Vouchers of North American Macrofungi: How Documenting the Fungi You Encounter Contributes to the Mycoflora of North America. *McIlvainea* 22: 19-24.
- Kuo, M, A.S. Methven, A.M. Minnis, **R.E. Halling**. 2013. Studies of North American macrofungi, 1. Validation of *Lactarius rubidus* comb. nov. and *Leccinellum quercophilum* sp. nov. *Mycotaxon* 124: 323-332

Nuhn, M., M. Binder, A.F.S. Taylor, **R.E. Halling**, D.S. Hibbett. 2013. Phylogenetic overview of the Boletineae. *Fungal Biology* 117: 479-511.

Trappe, J.M., M.A. Castellano, **R.E. Halling**, T.W. Osmundson, M. Binder, N. Fechner, N. Malajczuk. 2013. Australasian sequestrate fungi 18: *Soliococcus polychromus* gen. & sp. nov., a richly colored, tropical to subtropical, hypogeous fungus. *Mycologia* 105: 888-895. (includes color image for journal cover)

Halling, R.E., M. Nuhn, T.W. Osmundson, N.A. Fechner, J.M. Trappe, K. Soyong, D. Arora, D.S. Hibbett, M. Binder. 2012. Affinities of the *Boletus chromapes* group to *Royoungia* and the description of two new genera, *Harrya* and *Australopilus*. *Australian Systematic Botany* 25: 418-431. (includes color image for journal cover)

Halling, R.E., M. Nuhn, N.A. Fechner, T.W. Osmundson, K. Soyong, D. Arora, D.S. Hibbett, M. Binder. 2012. *Sutorius*: a new genus for *Boletus eximius*. *Mycologia* 104: 951-961. (includes color image for journal cover)

Neves M.A., M. Binder, **R.E. Halling**, D. Hibbett, K. Soyong. 2012. The phylogeny of selected *Phylloporus* species, inferred from NUC-LSU and ITS sequences, and descriptions of new species from the Old World. *Fungal Diversity* 55: 109-123.

Tulloss, R.E., **R.E. Halling**, G.M. Mueller. 2011. Studies in *Amanita* (*Amanitaceae*) of Central America. 1. Three new species from Costa Rica and Honduras. *Mycotaxon* 117: 165-205.

Halling, R.E., N.A. Fechner. 2011. *Heimioporus* (Boletineae) in Australia. *Australasian Mycologist* 29: 46-50.

Halling, R.E., N.A. Fechner. 2011. Toward a concept for *Boletellus ananiceps*. *Fungimap Newsletter* 42: 3-4 (plus color plates).

Dentinger, B.T.M., J.F. Ammirati, E.E. Both, D.E. Desjardin, **R.E. Halling**, T.W. Henkel, P.-A. Moreau, E. Nagasawa, K. Soyong, A.F. Taylor, R. Watling, J.-M. Moncalvo, D.J. McLaughlin. 2010. Molecular phylogenetics of porcini mushrooms (*Boletus* section *Boletus*). *Molecular Phylogenetics and Evolution*. 57: 1276-1292.

Osmundson, T.W., **R.E. Halling**. 2010. *Tylopilus oradivensis* sp. nov.: a newly described member of the *Tylopilus balloui* complex from Costa Rica. *Mycotaxon* 113: 475-483.

Neves, M.-A., T.W. Henkel, **R.E. Halling**. 2010. *Phylloporus colligatus* sp. nov., a new gilled bolete from Guyana. *Mycotaxon* 111: 143-148.

Neves, M.-A., **R. E. Halling**. 2010. Study on species of *Phylloporus*. I – Neotropics and North America. *Mycologia* 102: 923-943.

Fulgenzi, T.D., **R.E. Halling**, T.W. Henkel. 2010. *Fistulinella cinereoalba* sp. nov. and new distribution records for *Austroboletus* from Guyana. *Mycologia* 102: 224-232.

Halling, R.E., B. Ortiz-Santana. 2009. A revision of *Boletellus* sect. *Ixocephali*. *Mycological*

Progress 8: 237-244.

Ortiz-Santana, B., **R.E. Halling**. 2009. A new species of *Leccinum* (Basidiomycota, Boletales) from Belize. *Brittonia* 61: 172-174.

Guzmán, G., E. Horak, **R.E. Halling**, F. Ramírez-G. 2009. Further studies on *Psilocybe* from the Caribbean, Central America and South America, with descriptions of new species and remarks to new records. *Sydowia* 61: 215-242.

Mayor, J.R., T.D. Fulgenzi, T.W. Henkel, **R.E. Halling**. 2008. *Boletellus piakaii* sp. nov. and a new distribution record for *Boletellus ananas* var. *ananas* from Guyana. *Mycotaxon* 105: 387- 398.

Halling, R. E., E. Horak. 2008. *Phaeocollybia longistipitata* sp. nov. from Costa Rica. *N. Amer. Fungi* 7: 177-185.

Fulgenzi, T.D., J.R. Mayor, T.W. Henkel, **R.E. Halling**. 2008. New species of *Boletellus* from Guyana. *Mycologia* 100: 490-495.

Halling, R.E., T.W. Osmundson, M.A. Neves. 2008. Pacific boletes: Implications for biogeographic relationships. *Mycological Research* 112: 437-447.

Hughes, K.W., R.H. Petersen, J.L. Mata, N.V. Psurtseva, A.E. Kovalenko, O.V. Morozova, E.B. Lickey, J. Cifuentes Blanco, D.P. Lewis, E. Nagasawa, **R.E. Halling**, S. Takehashi, M.C. Aime, T. Bau, T. Henkel. 2007 (2008). *Megacollybia* (Agaricales). *Report of the Tottori Mycological Institute* 45: 1-57.

Ammirati, J., S. Garnica, **R.E. Halling**, M. Mata, G.M. Mueller, J. Carranza. 2007. New *Cortinarius* species associated with *Quercus* and *Comarostaphylis* in Costa Rica. *Can. J. Bot.* 85: 794-812.

Fulgenzi, T.D., T.W. Henkel, **R.E. Halling**. 2007. *Tylopilus orsonianus* sp. nov. and *Tylopilus eximius* from Guyana. *Mycologia* 99: 622-627.

Halling, R.E., H.-T. Chan, S.-S. Lee 2007. Basidiomycota: *Boletaceae*. In: E.B.G. Jones, K.D. Hyde, S. Vikineswary (eds.) *Malaysian Fungal Diversity*. Mushroom Research Centre, University of Malaya and Ministry of Natural Resources and Environment, Malaysia: 41-53.

Mueller, G. M., J. P. Schmit, P. R. Leacock, B. Buyck, J. Cifuentes, D. E. Desjardin, **R.E. Halling**, K. Hjortstam, T. Itturriaga, K.-H. Larsson, D. J. Lodge, T. W. May, D. Minter, M. Rajchenberg, S. A. Redhead, L. Ryvardeen, J. M. Trappe, R. Watling, Q-X. Wu. 2007. Global Diversity and Distribution of Macrofungi. *Biodiversity & Conservation* 16: 37-48.

Halling, R.E., T.J. Baroni, M. Binder. 2007. A new genus of Boletaceae from eastern North America. *Mycologia* 99: 310-316.

Osmundson, T.W., **R.E. Halling**, H.C. den Bakker 2007. Morphological and molecular evidence supporting an arbutoid mycorrhizal relationship in the Costa Rican páramo. *Mycorrhiza* 17: 217- 222.

Halling, R.E., T.W. Osmundson, M.A. Neves 2006. *Austroboletus mutabilis* sp. nov. from northern Queensland. *Muelleria* 24: 31-36.

- Mueller, G.M., **R. E. Halling**, J. Carranza, M. Mata, J. P. Schmit 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.
- Buyck, B., **R.E. Halling**, G.M. Mueller. 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.
- Halling, R.E.**, G. M. Mueller 2005. *Common Mushrooms of the Talamanca Mountains, Costa Rica*. New York Botanical Garden Press, Bronx. 195 p.
- Halling, R.E.**, M. Mata. 2004. *Boletus flavoruber*, un nouveau bolet du Costa Rica. *Bull. Soc. Mycol. France* 120: 257-262.
- Mata, J.L., **R.E. Halling**, K.W. Hughes, R.H. Petersen. 2004. *Rhodocollybia* (Agaricales) in neotropical montane forests. *Mycological Progress* 3: 337-351.
- Mata, J.L., **R.E. Halling**, R.H. Petersen 2004. New species and mating system reports in *Gymnopus* (Agaricales) from Costa Rica. *Fungal Diversity* 16: 113-129.
- Halling, R.E.**, M. Mata, G.M. Mueller. 2004. Three new boletes for Costa Rica. *Mem. New York Bot. Gard.* 89: 141-147.
- Buyck, B., **R.E. Halling**. 2004. Two new *Quercus*-associated Russulas from Costa Rica and their relation to some very rare North American species. *Cryptogamie (Mycologie)* 25: 3-13.
- Montoya, L., V.M. Bandala, **R.E. Halling**. 2003. *Lactarius furcatus* in Mexico and Costa Rica. *Mycotaxon* 87: 311-316.
- Halling, R.E.**, G.M. Mueller 2003. *Leccinum* (Boletaceae) in Costa Rica. *Mycologia* 95: 488-499.
- Mata, M., **R.E. Halling**, G.M. Mueller. 2003. *Macrohongos de Costa Rica*. Vol. 2. INBio, Santo Domingo, Costa Rica. 240 p.
- Eyssartier, G., B. Buyck, **R.E. Halling**. 2003. Une nouvelle chanterelle du Costa Rica: *Cantharellus atrolilacinus* sp. nov. *Cryptogamie (Mycologie)* 24: 21-25.
- Huhndorf, S.M., **R.E. Halling**, G.M. Mueller, F.A. Fernández. 2003. The Costa Rican mycology training workshops. *Inoculum* 54(2): 1-4.
- Amtoft, A., **R.E. Halling**, G. M. Mueller. 2002 [2003]. *Tylopilus alkalixanthus*, a new species of Boletaceae from Costa Rica and Japan. *Brittonia* 54: 262-265.
- Verbeke, A., N.L. Bougher, **R.E. Halling**. 2002. *Lactarius* (Basidiomycota, Russulaceae) in Papua New Guinea. 3. Two new *Lactarius* species in subgenus *Plinthogali*. *Australian Systematic Botany*. 15: 765-771.

- Halling, R.E.**, 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.
- Halling, R.E.**, G. M. Mueller. 2001. *Tylopilus bulbosus* sp. nov. from Costa Rica. *Harvard Papers in Botany* 6: 109-112.
- Halling, R.E.**, R. Maziero. 2001. I boleti del New York Botanical Garden. *I Funghi* 8(76):30-36.
- Halling, R.E.** 2001. Ectomycorrhizae: Co-evolution, significance and biogeography. *Ann. Missouri Bot. Gard.* 88: 5-13.
- Franco-M., A.E., R. Aldana-G., **R.E. Halling**. 2000. *Setas de Colombia (Agaricales, Boletales y otras Hongos), Guía de Campo*. COLCIENCIAS – Universidad de Antioquia. 156 pp.
- Thiers, B.M., **R.E. Halling**. 2000. Harry Delbert Thiers. *McIlvainea* 14(2): 46-50.
- Baroni, T.J., **R.E. Halling**. 2000. Some Entolomataceae (Agaricales) from Costa Rica. *Brittonia* 52: 121-135.
- Halling, R.E.** 1999. New Leccinums from Costa Rica. *Kew Bull.* 54: 747-753.
- Halling, R.E.**, G.M. Mueller. 1999. New boletes from Costa Rica. *Mycologia* 91: 893-899.
- Halling, R.E.**, G.M. Mueller, M. Dallwitz. 1999. A new *Phylloporus* (Basidiomycetes, Boletaceae) with a key to species in Colombia and Costa Rica. *Mycotaxon* 73: 63-67.
- Halling, R.E.**, G.M. Mueller. 1999. A new species and a new record for the genus *Xerula* (Agaricales) from Costa Rica. *Mycotaxon* 71: 105-110.
- Desjardin, D.E., **R.E. Halling**, D.E. Hemmes. 1999. Agaricales of the Hawaiian Islands. 5: The genera *Rhodocollybia* and *Gymnopus*. *Mycologia* 91: 166-176.
- Halling, R.E.**, G.M. Mueller. 1999. *Macrofungi of Costa Rica*. <<http://www.nybg.org/bsci/res/hall/index.html>>
- Halling, R.E.**, G.M. Mueller, M.J. Dallwitz. 1998 onwards. *Leccinum and Phylloporus in Costa Rica: Descriptions, Illustrations, Identification, and Information Retrieval*. Version: 20 February 2000.
- Halling, R.E.**, E. Both. 1998. Generic affinity of *Boletus separans*. *Bull. Buffalo Soc. Nat. Sci.* 36: 239-243.
- Desjardin, D.E., **R.E. Halling**, B.A. Perry. 1997. *Gymnopus villosipes*: a common collybioid agaric from California. *Mycotaxon* 60: 141-147.
- Antonín, V. **Halling, R.E.**, M.E. Noordeloos. 1997. Generic concepts within the groups of *Marasmius* and *Collybia* sensu lato. *Mycotaxon* 63: 359-368.
- Halling, R.E.** 1997. Index to Mycologia vol. 89. *Mycologia* 89: 977-996.

Tulloss, R. E., **R.E. Halling**. 1997. Type studies of *Amanita morenoi* and *Amanita pseudospreta* and a reinterpretation of crassospores in *Amanita*. *Mycologia* 89: 278-288.

Halling, R.E. 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>

Halling, R.E. 1996. *Agaricales of Costa Rican Quercus forests*. World Wide Web site at URL: <http://www.nybg.org/bsci/res/hall/index.html>

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

Halling, R.E. 1996 (1997). Index to *Mycologia* vol. 88. *Mycologia* 88: 1037-1057.

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

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

Halling, R.E. 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.

Mueller, G.M., **R.E. Halling**. 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. p. 303-312.

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

Halling, R.E. 1993. Two new Crinipellinae (Tricholomataceae: Marasmiaceae) from South America. *Mycotaxon* 47: 379-385.

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

Baroni, T.J., **R.E. Halling**. 1992. New species of *Rhodocybe* from South America with a key to species. *Mycologia* 84: 411-421.

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

Horak, E., **R.E. Halling**. 1991. New records of *Phaeocollybia* from Colombia. *Mycologia* 83: 464-472.

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

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

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

Pfister, D.H., **R.E. Halling.** 1989. *Ascosparrassis heinricherii* from the Americas. *Mycotaxon* 35: 283-285.

Wolfe, C.B. Jr., **R.E. Halling.** 1989. *Tylopilus griseocarneus*, a new species from the North American Atlantic and Gulf Coastal Plain. *Mycologia* 81: 342-346.

Baroni, T.J., **R.E. Halling.** 1989. New York State Agarics. I. *Mem. New York Bot. Gard.* 49: 173-180.

Halling, R.E. 1989. A synopsis of Colombian Boletes. *Mycotaxon* 34: 93-113.

Halling, R.E., C.L. Ovrebo 1987. A new species of *Rozites* from oak forests of Colombia with notes on biogeography. *Mycologia* 79: 674-678.

Halling, R.E. 1987. Studies on *Marasmiellus* (Tricholomataceae) in the United States I: A new species and a new combination. *Syst. Bot.* 12: 400-405.

Desjardin, D.E., **R.E. Halling.** 1987. California *Collybias*. I. *Collybia bakerensis*: A common snowbank agaric. *Mycotaxon* 29: 321-327.

Redhead, S.A., **R.E. Halling.** 1987. *Xeromphalina nubium* sp. nov. from Cerro de la Neblina, Venezuela. *Mycologia* 79: 383-386.

Halling, R.E. 1986. Index to species and infraspecific taxa of agarics and boletes described by William A. Murrill. *Mem. New York Bot. Gard.* 40: 1-120.

Ovrebo, C.L., **R.E. Halling.** 1986. *Tricholoma fulvimarginatum*: A new species associated with cottonwood in North America. *Brittonia* 38: 260-263.

Baroni, T.J., **R.E. Halling.** 1985. *Rhodocybe pulchrisperma* (Entolomataceae): A new species from North America. *Brittonia* 37: 182-185.

Halling, R.E., D.E. Desjardin, R. Tish. 1985. Additions to *Marasmius* section *Globulares*. *Mycotaxon* 22: 469-476.

Ovrebo, C.L., **R.E. Halling, T.J. Baroni.** 1984. A note on *Tricholoma niveipes*. *Mycotaxon* 20: 473-478.

Halling, R.E. 1983. A synopsis of *Marasmius* section *Globulares* (Tricholomataceae) in the United States. *Brittonia* 35: 317-326.

Halling, R.E. 1983. *The genus Collybia (Agaricales) in the northeastern United States and adjacent Canada.* *Mycologia* Memoirs no. 8. 148 p.

Halling, R.E. 1983. Boletes described by Charles C. Frost. *Mycologia* 75: 70-92.

Redhead, S.A., **R.E. Halling.** 1982. *Marasmiellus papillatus*. Fungi Canadensis No. 215.

Halling, R.E. 1981. Thaxter's Thaxterogasters and other Chilean hypogeous fungi. *Mycologia* 73: 853-868.

Halling, R.E. 1981. Notes on *Collybia*. II. Additional taxa that are green in alkaline solution. *Mycologia* 73: 634-642.

Halling, R.E. 1979. Notes on *Collybia* I. *Collybia alkalivirens*. *Mycotaxon* 8: 453-458.

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

Thiers, H.D., **R.E. Halling.** 1976. California boletes. V. Two new species of *Boletus*. *Mycologia* 68: 976-983.