MycoLogic at the University of Georgia: Luttrell Lecture and Hanlin Symposium

This year marked the 25th annual E. S. Luttrell Lecture at the University of Georgia, which was enhanced with a symposium in honor of Dr. Richard Hanlin. The day began with a ceremony highlighting the life and career of Dr. Hanlin, presented by Dr. Charles Bacon (USDA-ARS, Toxicology and Mycotoxin Research). Dr. Amy Rossman (USDA-ARS, Systematic Mycology and Microbiology Laboratory, now retired) gave the Luttrell Lecture, entitled “The Golden Age of Fungal Systematics: Understanding and Communicating the Causes of Plant Diseases,” which closed with an engaging discussion.

The Hanlin symposium, “Recent Trends in Studying the Biology of Ascomycetes,” began after lunch. Dr. Rytas Vilgalys (Duke University) presented “Metagenomic Studies of the Pinus and Populus Mycobiome: New Approaches for Assessing Diversity and Function,” which highlighted techniques at the forefront of the discipline. Dr. Julia Kerrigan (Clemson University) presented “Studying the Biology of Ascomycetes: Using Tools from Electrons to Construction Cranes,” which covered various ascomycetes and how her research interests were influenced by taking Dr. Hanlin’s Advanced Mycology course. Dr. David M. Geiser (Penn...
State University) continued with that theme in his presentation “Some Advances in *Fusarium* Systematics Since I Took Dr. Hanlin’s Ascomycetes Class or: How I Learned To Stop Worrying and Love Taxonomy,” during which he wove a story that began with his graduate school course (and a fun trip down memory lane to what was happening in the early 1990’s) and ended with his current research. Finally, Dr. Brian D. Shaw (Texas A&M University) presented his beautiful and informative micrographs in his presentation entitled “Imaging the Actin Cytoskeleton During Growth and Development in *Aspergillus nidulans*.”

A poster session and reception was held after the talks, allowing another chance for conversations. The Lecture and Symposium were hosted by the University of Georgia, Department of Plant Pathology and the Georgia Museum of Natural History. Drs. Sharon Cantrell (Universidad del Turabo), Marin Brewer (University of Georgia), and Tony Glenn (USDA-ARS) were integral in the organization of this outstanding event.
The 36th annual Mid-Atlantic States Mycology Conference (MASMC) was April 11th-April 13th in scenic Boone, North Carolina. The conference was held at Appalachian State University and wonderfully organized by Dr. John Walker. It started with a Friday night soirée held at the Walker’s home, where attendees socialized while enjoying beautiful scenery and perfect weather. On Saturday interesting and informative talks and posters were presented, the abstracts can be viewed at http://webpages.charter.net/jfw_33/abstracts.html. The keynote speaker was Dr. Christopher Schadt of Oak Ridge National Laboratory, his talk was entitled “The composition and function of the *Populus* rhizosphere microbiome”. Dinner was held at the Ivory Tower Brewery tasting room, with complementary beer(!) provided by Appalachian State’s Ivory Tower Brewery. Sunday was the foray, which provided opportunities to enjoy the outdoors and dream about finding morels. Thanks to John and others at App State for hosting a successful MASMC!

MASMC is a fantastic event that includes good science with plenty of opportunities to interact with fellow mycologists. The conference provides new students, postdocs, and mycologists the opportunity to present research findings in a less formal venue than larger national and international meetings. The conference locations and its attendees extend well beyond the traditional Mid-Atlantic States, in recent years meetings have been held in NC, TN, SC, and GA. The meeting is held every spring, typically in April. Check the MSA website and the Inoculum for the next location and date.

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**Mycological Society of America — Gift Membership Form**

Sponsoring a gift membership in MSA offers tangible support both for the recipient of the membership as well as for mycology in general. Providing both *Mycologia* and *Inoculum*, a gift membership is an excellent way to further the efforts of our mycological colleagues, especially those who cannot afford an MSA membership. In addition to a feeling of great satisfaction, you also will receive a convenient reminder for renewal of the gift membership the following year.

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I agree to pay $98* for this membership by check (payable to MSA, drawn on US bank) ____ VISA ____ Mastercard ____
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Send this form to: MSA Business Office, PO Box 1897, Lawrence KS 66044 or FAX to (785) 843-1274, Attn: Processing Department

*If this membership is given after June 1, please add $10 to cover postage for past issues.
Greetings! I just returned from the annual meeting held at the Kellogg Center on the Michigan State University campus in East Lansing (June 8-11). For me, this was a homecoming—I earned my baccalaureate from MSU but had not been back to campus in over 25 years. I found time to see the Magic Johnson statue outside the Breslin Center, visit the fantastic new Broad Art Museum, and enjoy some old and new favorite pubs and restaurants. The annual meeting was well attended (~250 attendees) and well organized, thanks to the hard work of Frances Trail, Jonathon Walton, Gerry Adams, and the staff of the Kellogg Center. Heather Hallen-Adams organized a fun foray for ~100 participants at the Waterloose Recreation Area. In addition to a horde of hungry mosquitoes that were not discouraged by the rain, we found a nice diversity of different types of macrofungi, the occasional slime mold, as well as some orchids and pitcher plants in bloom. One of my meeting highlights was the Presidential Address (“How to Kill a Bug”) on Wednesday morning (June 11). Joey Spatafora described how he started his graduate career in biochemistry before meeting his mycological mentor Meredith Blackwell in a journal club, and also told us about the sage advice (“Joey, don’t screw up”) that was given by Rytas Vilgalys, his postdoctoral mentor, as Joey headed off for his job interview at Oregon State University. The annual auction Wednesday night was another meeting highlight. This year’s auction items were particularly tempting, and Endowment Chair Jessie Glaeser and Treasurer Sharon Cantrell made it easy to pay for auction items through the MSA business site (for those of us who could remember our user ID and password). As is tradition, President Jean Lodge boldly outbid the competition to secure the presidential mushroom tie, and took a number of other mycological treasures back to Puerto Rico with her from the auction. For those of you who were not able to make it to East Lansing this year, I hope to see you next year in Edmonton, when MSA will meet with the Botanical Society of America.

Council Business: The annual Council Meeting was held on Saturday, June 7 in Kellogg Center Room 103 on the Michigan State University campus. In addition to the Executive Council and Councilors, we were joined by Finance Chair Lisa Castleberry, Program Chair Gerard Adams, Executive Editor (and Local Organizer) Frances Trail, Managing Editor Cathie Aime, outgoing Student Section Chair Mia Maltz and incoming Student Section Chair Danny Hailewatters, and incoming Councilor Steve Rehner. President Spatafora and Inoculum Editor Julia Kerrigan participated via Skype. Council Meeting minutes and annual reports will be published in the November/December issue of Inoculum. The annual Business Meeting was held Wednesday morning, June 11, in the Kellogg Center Auditorium. Members approved 92 new members from 14 countries who joined MSA in 2014, and Emeritus membership for Dr. Lorelei Norvell and Dr. David Porter. Other Business Meeting highlights included the results of the 2014 Spring Elections by Vice President Kerry O’Donnell: Georgiana May (Vice President), Meritxell Riquel (Councilor—Cell Biology & Physiology), Steve Rehner (Councilor—Genetics & Molecular Biology), Matt Smith (Councilor—Systematics & Evolution), and Marin Talbot Brewer (Councilor—Ecology & Pathology). At the conclusion of the Business Meeting, outgoing President Spatafora turned over the chestnut gavel to new President Lodge. Minutes of the 2014 Business Meeting will be published in the November/December issue of Inoculum.

New Members: I would like to extend a warm welcome to the following new and returning members who joined MSA in May and June. Their membership will be formally approved at the 2015 Annual Business Meeting in Edmonton:

Canada: Katherine F. Dobinson

United States: Lauren Cline, Joseph D. Cohen, Sajeet Haridas, Jennifer A. Oberle, Brandon Robert Potter, Andrew Louis Tomes

2015 Membership Renewal: We plan to get the 2015 Membership Renewal process underway earlier than in the previous two years. Membership dues will remain the same as in 2014. Look for renewal notices to be sent out (by email) in September. Please contact me with any suggestions, complaints, or feedback on the membership renewal process.

REMEMBRAND: MSA Directory Update: Did you receive email notices about the recent Spring Election and MSA Annual Meeting? If not, it may be because your email address is not up to date in the MSA directory. The Society relies on email to bring you timely information on MSA news, awards, elections, meetings and other activities. To ensure that you receive those important Society blast emails and Inoculum, take a few minutes to confirm the accuracy of your contact information in the online directory. This can be accessed via our website (www.msa.org)—look for the “Member Services” box in the bottom left corner of the page. If you have renewed your membership and don’t find your name in the online directory, contact me for assistance. If you need assistance with updating any of your membership information, contact msa@allenpress.com.

Feel free to contact me about MSA business, or any other questions you have about the Society. If I don’t know the answer, I can generally find someone who does. And don’t forget to recommend MSA to your colleagues, and particularly to students and postdoctoral associates who are interested in fungi. Remember, there is now a postdoctoral member rate!

—Lori Carris
MSA Executive Vice President
carris @wsu.edu
Editor’s Note

The Inoculum is on a new schedule. After this, issues will be on odd-numbered months (January, March, May, July, September, November).

Please submit those articles! We can always use feature articles which will grace the cover. Also, I am seeking contributions for a few newish items in the Inoculum.

Fungi in the News: Please forward articles with timely or compelling news stories.

Member News: Keep the membership updated and pass along information about your colleagues and self.

Back page: The image will change each issue. If you have an image or two you would like to grace the back page, please send it to me. Note it must be high resolution (preferably around 1 Mb and not re-formatted to increase file size). All copyright permissions must be followed.

—Julia Kerrigan
Inoculum Editor
jkerrig@clemson.edu

MSA AWARDS 2014

MYCOLOGICAL SOCIETY DISTINCTIONS

Distinguished Mycologist Award: Dr. Charles W. Bacon

The Distinguished Mycologist Award is one of the highest awards bestowed by the MSA, and it is designed to recognize individuals that have a truly distinguished career in the field of mycology in terms of either research or service.

Dr. Bacon received his Ph.D. in 1972 from the University of Michigan under the guidance of Alfred Sussman, and after a one-year postdoctoral appointment in the Department of Chemistry at Michigan, he joined the Toxicology & Mycotoxin Research group at USDA Agricultural Research Center in Athens, Georgia as a research microbiologist. In Athens he soon became an adjunct at the University of Georgia and he moved up through the ranks at the USDA to become the research leader group in 1995. These combined positions put him in charge of supervising ten permanent staff at the USDA and numerous students at the University of Georgia.

Dr. Bacon has been a highly productive scientist as evidenced by more than 200 research publications. His life’s work has been on grass endophytes and their mycotoxins. His early papers in the late 1970’s on endophytes of tall fescue transformed the field by demonstrating the connection between non-symptomatic clavicipitalean endophytes and their chemistry to the well-known problems with grazing in tall fescue grasslands. This early work ultimately helped create the field of endophyte biology and his continued work and collaborations helped lead to a solution for the problem through the development of non-toxic endophyte infected commercial strains of fescue. Similarly Dr. Bacon’s work on fumonisin-producing Fusarium verticillioides (then known as Fusarium moniliforme) and its asymptomatic colonization of maize resulted in landmark papers that have been of critical importance to our food safety, and have spawned continued research in his lab and many others.

Dr. Bacon has also had an important impact on the field though his training of graduate students, and postdoctoral associates. He has served as major professor for 8 Ph.D. students, two M.S. students, and four postdocs. His trainees

Continued on following page
The Distinguished Mycologist Award is one of the highest awards bestowed by the MSA, and it is designed to recognize individuals that have a truly distinguished career in the field of mycology in terms of either research or service.

Dr. Rytas Vilgalys received his Ph.D. in 1985 from Virginia Polytechnic Institute and State University under the guidance of Dr. Orson K. Miller. He served briefly as a postdoctoral associate at the USDA in Beltsville under the guidance of Amy Rossman, before accepting a faculty position at Duke University in the Department of Botany in 1986. At Duke he rose through the ranks and achieved Full Professor in 1999 and while doing so established a world-class research and training program in mycology.

Dr. Vilgalys’ research has resulted in over 160 publications, many of which have become citation classics and have made fundamental contributions to multiple areas in mycology including systematics, evolution, medical mycology, plant pathology, population genetics, genomics, ecology, and basic fungal biology. There is no sign of any reduction in his output, as 2013 was his most productive year ever with 20 publications!

Although Dr. Vilgalys’ research is broad, he is best known for the critical role he played in the transition of fungal systematics from a non-quantitative, largely morphologically based science to the rigorously analytical, molecular-based discipline that it is today. The Fungal Tree of Life project that culminated in the 2006 James et al. Nature paper and the 2006 Mycologia issue 98(6) are probably the most recognized result of this transition, and the fact that these contributions were largely driven by Dr. Vilgalys’ former students and postdocs also emphasizes the other critical part of his impact: training of students and postdocs.

Dr. Vilgalys has trained 20 Ph.D. students, four M.S. students, and 24 postdocs, and he has collaborated widely and internationally with many other mycologists. The list of his former students and postdocs reads like a “who’s who” list of North American Mycologists. They have populated research and teaching positions across the continent and beyond, and will be a lasting legacy of Dr. Vilgalys’ research impact. He also has hosted 18 visiting scientists in his lab and has collaborated with many more. Those who have had the opportunity to collaborate with him know him as an active, open, and fun research partner with a captivating interest and knowledge in all things fungal. These traits are the reason his lab is a magnet for those interested in fungi.

Dr. Vilgalys has also served MSA and mycology at large in multiple significant ways. For MSA he served as president, councilor, local organizer, and a member of the program and endowment committees, and for IMA he organized symposia at four of the international congresses. He also has served on editorial boards for multiple journals, and panels for multiple granting agencies, where his influence has likely helped mycology greatly.

In short Dr. Vilgalys is one of the great mycologists of our time, and is a distinguished scientist by any measure. It brings honor on MSA to have such a member, and we now return the favor by recognizing him as an MSA Distinguished Mycologist.
Alexopoulos Award: Dr. Jason E. Stajich

Awarded annually to an outstanding mycologist early in their career. The nominees are evaluated primarily on the basis of quality, originality, and quantity of their published work.

Dr. Jason E. Stajich is currently an Associate Professor in the Department of Plant Pathology and Microbiology at the University of California, Riverside. He graduated from Duke University in 2006 under the guidance of Fred Dietrich, and went on to be a Miller Post-doctoral Fellow at the University of California, Berkeley where he worked with John Taylor until 2009.

Dr. Stajich’s work has become synonymous with the field of fungal genomics, where he has authored or co-authored over 80 contributions. Although many of his papers are large multi-author collaborations, Dr. Stajich’s contributions have been absolutely critical to the work. As one of his nominators wrote: “Stajich is in great demand as a collaborator and often he does the heavy lifting in assembling and annotating fungal genomes only to then step aside and let others claim the first or last author positions.” FungiDB, one of his recent contributions (http://fungidb.org/fungidb/), adds to the long list of community tools that he has spearheaded. Basically if you have worked on fungal genomics, you have either worked directly with Dr. Stajich or you have used his tools.

His work is having a huge impact on the field as evidence by the more than 8000 citations to it. (http://scholar.google.com/citations?user=t_YIP5UAAAAJ&hl=en)

He currently has 17 papers that have each been cited over 100 times. His most cited paper, the BioPerl Toolkit (Genome research 12 (10), 1611-1618) is a first author contribution that he submitted in his first year in graduate school! It now has been cited more than 1,100 times. This is truly an impressive publication record, and one that many full professors have not yet achieved.

Dr. Stajich has been an active member of MSA, where he previously served as a Genetics/Molecular Biology Councillor and is currently serving on the Electronic Communication and Web Page Management Committee. It is a great honor to have such a member, and awarding him with Alexopolous prize sets a high bar for those who follow.

Weston Award for Excellence in Teaching: Dr. Thomas R. Horton

The William H. Weston Award is awarded annually to an outstanding teacher of mycology at the undergraduate and/or graduate levels.

Dr. Horton started his teaching at Logan High in Union City California, where he taught high school biology from 1985-87. He entered graduate school at San Francisco State University and working with Tom Parker earned an M.S. in Biology in 1992. He completed his Ph.D. in 1997 from the University of California Berkeley where he worked with Tom Bruns. After a postdoctoral position with Randy Molina at Oregon State University, Dr. Horton accepted his faculty position at SUNY Syracuse in 2001 where he shoulders one of the highest teaching loads in his department. His courses include General Ecology, Mycorrhizal Ecology, Advanced Mycology: Basidiomycetes, and an Advanced Seminar on Mycology. In addition he teaches seminars to academic and lay audiences on “Teaching Evolution in the Public Schools” and “The Origin of Species”. Dr. Horton has served as the major professor to nine thesis M.S. students, six non-thesis M.S. students, and a Ph.D. student.

Dr. Horton is probably best known to other mycologist through his numerous papers on mycorrhizal ecology or through his extensive service to the MSA. However the 27 letters received from former students and current colleagues effusively testified to the excellence of his teaching. The common themes in these letters included Dr. Horton’s dedication to teaching, his enthusiasm for fungi, his friendly, caring style and his open-door policy, and most of all the inspirational affect that Dr. Horton had on their lives. Here are a few quotes from the letters of support that make these points:

“...I always found his teaching style to be very friendly yet professional, and I can attest to the many undergraduate and graduate students that enjoy the atmosphere he creates in his classroom. His office door was always opened to not only us as graduate students, but to every student at the University.”

Continued on following page
“He made his students part of his family. He was open, caring, and always enthusiastic. To this day he is the best mentor I have ever studied or worked under.”

“I owe my passion for mycology to my experience as a graduate student with Tom. But, the exceptional thing is that MANY students, both graduate and undergraduate, feel the same way.”

“…[his] enthusiasm is contagious and I am certain all his ex-students have been internally tattooed with the mycological perspective.”

“His quiet encouragement instilled in me a passion for mycology that will stay with me for my lifetime and I am forever grateful.”

“Everyone wants his or her work to contribute to some larger goal and make an impact that outlasts his or her own life. Tom has created a legacy through not only his research but also his teaching. He is the kind of teacher who opens people’s minds to entirely new paths for their lives. Higher education needs more professors like Tom Horton.”

MSA cannot top these accolades by his students, but we can thank him for a job well done by awarding him with the W. H. Weston Award for Excellence in Teaching.

MSA Fellows are selected from members who have completed at least 11 years of service after their Ph.D. They are members who are outstanding mycologists on the basis of one or more criteria: a solid record of mycological research, and/or successful teaching and development of teaching materials for mycology, and/or significant service to the Society. This is meant to recognize a core group of mid-career mycological achievers and outstanding MSA volunteers.

Dr. Marc Cubeta received his Ph.D. in 1991 from North Carolina State University (NCSU) and was a post-doctoral associate in the lab of Rytas Vilgalys at Duke University. In 1995 he joined the faculty of NCSU and also is a Member of the Graduate Faculty in Biology at Duke University. Marc’s research has focused on the population genetics and evolution of several devastating plant pathogens including Rhizoctonia, Sclerotinia and others. His work has advanced our understanding of the disease ecology, genome organization, population biology, and systematics the soil fungus Rhizoctonia solani, an economically important pathogen of agricultural, forestry, and ornamental crops. Work in his lab revealed that R. solani is not a single species, but a species complex that represents an early diverging assemblage of fungi that may have given rise to the mushroom forming fungi.

Dr. Cubeta exhibits a unique ability to connect with students and a genuine desire to help them achieve their full potential. Even as a post-doc he exhibited his ability to inspire students as evidenced by his Undergraduate Teaching Recognition Award from Duke University in 1993. Many students ask that he be on their graduate committee and he generously gives his time and attention to students in the U.S. and internationally.

Dr. Cubeta has been a tireless MSA volunteer. He was chair of the Phytopathology Committee; served on Council as the Ecology/Plant Pathology Councilor; was on the Program Committee and chaired for the 2009 joint meeting with the Botanical Society of America in Snowbird, UT; and served as MSA Treasurer from 2010-2013. Additionally he was a member of the US National Committee of the International Union for Microbiological Sciences, mycology section (2000-2006, with John Taylor).

Dr. Cubeta has received national and international recognition for his scientific and teaching accomplishments, most notably his 2011 Fulbright Scholar Award for a full year sabbatical in Uppsala, Sweden. He received the NCSU Celebration of Faculty Excellence Award in 2013, the Organization for Economic and Cooperation and Development Cooperative Research Program Fellowship (OECD CRP, Japan), and the Provost Award from North Carolina State University in 1996. He was successful in gaining support through NSF for the Larry Grand Mycological Herbarium at NCSU and organized the Symposium to inaugurate the newly remodeled herbarium in honor of his colleague Larry Grand before Larry’s sudden and too early death.
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Professor Lafayette “Fred” Frederick, born in Dog Bog, Mississippi, was inspired by his father and later by Tuskegee Institute (now Tuskegee University) alumnus George Washington Carver. Fred went to Tuskegee at the age of 16 to study technical agriculture, where he was introduced to botany by influential mentors, including Harold Romm. After earning his BS degree in biology in 1943 Fred entered the Navy and was posted at Pearl Harbor as an architectural draftsman. After the war ended, his passion for botany led him to study native plants at the University of Hawaii, and he received an M.S. degree in botany from what is now the University of Rhode Island in 1950.

His enthusiasm for fungi was kindled when he heard Gardner Shaw, a professor at Washington State University (WSU), give a paper on downy mildews at a scientific meeting. As a result he applied to and was accepted at WSU, where he studied spore development in fungi and the systematics and ecology of the myxomycetes. Fred and his beloved wife, Ann, have fond memories of the bi-weekly gatherings at the country home of then chair George Fischer and his wife, where dinner was followed by square dancing. He found a sense of community at WSU that was color blind (http://cahnrs.wsu.edu/alumni/profile/lafayette-frederick/). After receiving his Ph.D. in Plant Pathology and Botany, Fred did postdoctoral work at Cornell University, the University of Illinois and the University of Michigan.

Dr. Frederick joined the faculty of the Biology Department at Southern University in Baton Rouge for ten years and rose to professor. Later he moved to Atlanta University for fourteen years and chaired the Biology Department. In 1976 he accepted a position at Howard University where he served on the faculty, chaired the Botany Department, and served as Dean of the College of Liberal Arts. He is currently spending his tenth decade at the Carver Center of his alma mater Tuskegee University, where he continues to serve as a role model to students.

During his long and active career Dr. Frederick has been a committed and generous mentor. He has worked tirelessly to interest young African Americans to the field of science. He was responsible for integrating the Association of Southeastern Biologists meeting in 1958, thereby allowing its African American members to attend for the first time. He would often drive long distances to scientific meetings so that he could take students to the conferences with the goal of getting them excited about making new discoveries. Today he continues to mentor students as evidenced at the 2013 APS/MSA meeting in Austin to which Dr. Frederick brought several young students. He also has served as a member and chair of the General Research Program Advisory Committee, Division of Research Resources, National Institutes of Health; former MARC Program Director; and former chair Biology Achievement Test Development Committee, Educational Testing Service, and director of the National Science Foundation (NSF) Academic Year Institute for Science Teachers.

The honors bestowed on Dr. Lafayette Frederick include an Honorary Doctorate of Science in Botany and a Distinguished Alumni Award from the University of Rhode Island, a Merit Award from the Botanical Society of America, and the NSF Education and Human Resources Directorate Lifetime Achievement Award. He has also been recognized by AAAS with the Lifetime Mentor Award, a Tuskegee Institute Distinguished Alumni Merit Award, and is a member of the Georgia Academy of Science. A species of Hawaiian shrub, *Cyrtandra frederickii*, was named in his honor by Harold St. John, former chairman of the University of Hawaii Department of Botany.
**MSA Fellow: Dr. Lynne Boddy**

Honorary members are distinguished senior scientists with a long record of significant contributions to the science of fungal biology and who reside in and work in countries other than the U.S. and Canada.

Dr. Lynne Boddy is a professor at Cardiff University and a world expert on fungi that decay organic matter. She has contributed significantly to our understanding of wood decay, carbon cycling, and microbial community ecology. Her research on interspecific interactions, beginning with her postdoctoral work with Alan Rayner, has had a transformative impact on mycology.

Selections from her nomination letters follow:

“Boddy’s wide ranging interests in biological network architecture, climate change impacts on phenology and soil community function, interactions between fungi and soil animals, the link between community structure and function, and microbial community development as well as interspecific fungal interactions, puts her work in a far broader context than that of most of us mycologists. It likely is for that reason that the MSA chose Lynne as the Karling Lecturer for 1999. She has well over 200 journal publications and books including the bible of wood decay, *Fungal Decomposition of Wood: Its Biology and Ecology* co-authored with Alan Rayner.”

“In addition to being an original and dedicated researcher in fungal ecology, Lynne Boddy is an exemplary mycological citizen who reveals an understanding of fungal ecology not only to professional mycologists but also publicizes mycology to the general public. Her plenary presentation at IMC10 in Edinburgh highlighted her ability to promote the public understanding of science. In the past two years she has made four appearances on BBC Radio or BBC Nature Days of the Karling Lecture Committee, in addition to organizing three meeting symposia. His biggest job was as local arrangements for the 2013 APS/MSA meeting in Austin.

Dr. Shaw has received numerous honors and awards from MSA including the prestigious Alexopolous Prize as well as a Graduate Fellowship and several mentor travel awards. He received three SLATE (Student Led Award for Teaching Excellence) Awards for his popular Molds and Mushrooms undergraduate course.
Two MSA Graduate Fellowships are awarded annually to promising graduate students in mycology. Applicants are evaluated on the basis of their scholastic merit, research ability, and promise shown as a mycologist.

Sydney Glassman is a 4th year graduate student in the lab of Professor Tom Bruns at University of California, Berkeley, where she studies ectomycorrhizal fungal ecology. Sydney received her B.A. in Biology in 2008 and M.S. in Environmental Studies in 2010 from the University of Pennsylvania in Philadelphia, PA. Sydney joined the Bruns lab in August of 2010 and became a Ph.D. candidate in May of 2012. For her dissertation research she has been working on three major projects investigating the processes and mechanisms driving the shape and structure of ectomycorrhizal fungal communities and their roles in forest systems. The project that she focused on for her MSA fellowship proposal investigates the role of distance from forest edge and tree host on host associated fungi in a subalpine environment in Yosemite National Park. She has also been working on two other projects, the first of which is a continental survey of ectomycorrhizal fungal spore banks from pine forests across North America. The second is an investigation of the effect on ectomycorrhizal fungal communities of the invasive pathogen Phytophthora ramorum, the agent of Sudden Oak Death and cause of massive tanoak mortality, in forests in northern California. In addition to her research, Sydney is very involved in mentorship and outreach and has given talks to several local mycological societies and co-chaired the 2013 Expanding Your Horizons conference on UC Berkeley’s campus aimed at inspiring and encouraging middle school girls to pursue careers in math and sciences.

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Hai D.T. Nguyen completed his B.S. and M.S. at the University of Ottawa in 2008 and 2011, respectively. During his B.S., he studied heat resistant fungi in soil and described three new species of Leohumicola. He switched fields during his M.S., venturing into bacteriology and studying bacteria-amoeaba interactions. Having realized that the study of fungi was his ultimate passion, he returned to mycology for his Ph.D. He is currently a Ph.D. candidate under the supervision of Dr. Keith A. Seifert at the University of Ottawa & Agriculture and Agri-Food Canada (AAFC). He would like to thank the research group at AAFC for opening his eyes to fungi and for continuing to cultivate his development as a mycologist. His Ph.D. research is focused on the study of novel lineages of heat resistant and xerophilic fungi in the Basidiomycota. These enigmatic fungi are largely unknown and he plans to characterize them using taxonomy and genomics. The money from this MSA Graduate Fellowship will provide funding for purchasing reagents for fungal genomics work and for computer upgrades to speed up bioinformatics analyses.

Honorary Awards Committee: Mary E. Palm, Chair; Meredith Blackwell; David Hibbett; John Taylor, ex officio Past Chair.
The Backus Award is awarded annually to promising graduate students in mycology. Applicants are evaluated on the basis of their scholastic merit, research ability and promise shown as a mycologist.

Jessie Uehling is the 2014 recipient of the Backus Award. Jessie is a Ph.D. candidate at Duke University in the Program for Genetics & Genomics, working under the supervision of Dr. Rytas Vilgalys. Her interests in Mycology began during her undergraduate studies at Humboldt State University while taking Mycology courses with Dr. Terry Henkel, who went on to mentor her through her Master’s thesis on molecular ecology and systematics of *Clavulina* species from Guyana. She began her Ph.D. at Duke in 2012 and her dissertation research is centered on elucidating molecular mechanisms of fungal-bacterial interactions of microbes in the *Populus* rhizosphere. She plans to use her award funds to sequence the transcriptome of the plant-associated fungus *Mortierella elongata* and its bacterial endosymbiont *Glomeribacter* sp, in hopes of determining a functional basis for the symbiosis.

The Myron P. Backus Award: Jessie Uehling

Marisol Sánchez-García received a B.S. in Biology and a M.S. in Systematics from the Universidad Nacional Autónoma de México (UNAM) where she worked on the systematics of the genus *Melanoleuca* under the supervision of Joaquín Cifuentes. She is now a Ph.D. candidate at the University of Tennessee working with Brandon Matheny. Her current research focuses on the systematics and evolution of the Tricholomatoid clade, and she is particularly interested in studying diversification patterns within this clade and the genetic changes that underlie transitions from saprotrophic to ectomycorrhizal fungi.

The NAMA Memorial Fellowship is awarded annually to promising graduate students in mycology. Applicants are evaluated on the basis of their scholastic merit, research ability and promise shown as a mycologist.

Marisol Sánchez-García

Todd Elliott is finishing his undergraduate research at Warren Wilson College in North Carolina. His research passions are in the study of global biodiversity and interrelationships in nature. This focus has led him to studies in fungal biology and has taken him to remote corners of the world to explore tropical rainforests, temperate woodlands, deserts, beaches, and high mountains on five continents. He is currently focusing his fungal research efforts in sequestrate fungal evolution and taxonomy, mycophagy, entomopathogenic fungal taxonomy, and the evolution and ecology of mycoheterotrophic plants. Elliott will use the funding from MSA to continue his research with Dr. James Trappe on the taxonomy and evolution of sequestrate fungi of southeastern Australia. To read more about Elliott and his current projects, you can visit his website: http://toddelliott.weebly.com/

The MSA Undergraduate Research Award: Todd Elliott

Student Awards Committee: Antonio Izzo, Chair; Julia Kerrigan; Tim James; Tom Horton; Imke Schmitt, ex officio, Past Chair.
**RESEARCH AWARDS**

**Salomon Bartnicki-Garcia Award: Daniel Raudabaugh**

The primary purpose of the Salomon Bartnicki-Garcia is to encourage continued participation in MSA by young mycologists who are working in the areas of biochemistry, genetics, and cell biology.

Daniel Raudabaugh is a Ph.D. candidate in the Plant Biology Department at the University of Illinois at Urbana-Champaign under the guidance of Dr. Andrew Miller. His interest in fungi began as an undergraduate at Lock Haven University where he studied fungal taxonomy and fungal physiology under the guidance of Dr. Barrie Overton. Daniel recently completed his Master’s degree in Plant Biology under the guidance of Dr. Andrew Miller. He has published several papers on different aspects of fungal physiology. His future research will focus on understanding how fresh water fungi respond to acidification and CO$_2$ induced detrital chemical and structural changes at the genomic level.

**Forest Fungal Ecology Research Award: Natalie Christian**

This award supports ecological research by a graduate or undergraduate student, examining fungal interactions in old growth forests or other unique or endangered ecosystems. Studies should address innovative approaches to examining fungal systems or interactions of individuals, or groups of fungi, with hosts or substrates in old growth forest or other sensitive ecosystems.

Natalie Christian is a second-year Ph.D. student in Dr. Keith Clay’s lab at Indiana University. She is broadly interested in plant and fungal biodiversity and mechanisms of coexistence and community assembly, both aboveground and belowground. In particular, she is interested in the community structure of foliar endophytic fungi and how multiple symbionts can coexist on plant roots. She is taking some of her research to the tropics.

**Forest Fungal Ecology Research Award: Seth Kauppinen**

This award supports ecological research by a graduate or undergraduate student, examining fungal interactions in old growth forests or other unique or endangered ecosystems. Studies should address innovative approaches to examining fungal systems or interactions of individuals, or groups of fungi, with hosts or substrates in old growth forest or other sensitive ecosystems.

Seth Kauppinen is a Ph.D. candidate in Integrative Biology at the University of California, Berkeley. His dissertation research addresses the ecology of foliar endophytic fungi in Amazonian trees—focusing on hosts in the angiosperm families Burseraceae and Malvaceae. Central questions include the dynamics of competition between endophytes and obligate saprobes during leaf decomposition; patterns in endophyte beta diversity with respect to forest type; and the role of leaf chemistry in determining fungal community membership. Seth graduated in 2003 from the University of California, Davis, where he studied Evolution and Ecology. He then spent several years studying the microbial symbionts of carpenter ants (*Camponotus* spp.), under the direction of Jennifer Wernegreen at the Marine Biological Laboratory in Woods Hole, Massachusetts. Seth came to science because he likes to watch beautiful things…so he’s a big fan of field- and lab work. But above all, he is committed to tropical conservation, and to the promotion of science as a tool of good government. Seth will use his award to complete Illumina sequencing of diverse fungi sampled from two experiments in the Peruvian Amazon.
Forest Fungal Ecology Research Award: Justin Shaffer

This award supports ecological research by a graduate or undergraduate student, examining fungal interactions in old growth forests or other unique or endangered ecosystems. Studies should address innovative approaches to examining fungal systems or interactions of individuals, or groups of fungi, with hosts or substrates in old growth forest or other sensitive ecosystems.

Justin Shaffer is a Ph.D. candidate in the School of Plant Sciences at the University of Arizona, Tucson, working under the supervision of Dr. A. Elizabeth Arnold and Dr. David Baltrus. Justin’s dissertation work is focused on exploring the diversity, evolutionary relationships, and ecology of cryptic bacterial endosymbionts of plant-associated Sordariomycetes. Justin received his B.A. in Environmental Studies at the University of California, Santa Cruz, during which he studied the ecology of epiphytic macrolichens under the supervision of Dr. Gregory S. Gilbert. His interests include tropical ecology, mycology, botany, microbial community ecology, and fungal systematics. Justin will use his funds to study the effects of bacterial endosymbionts with regard to tropical seed-fungus interactions at Barro Colorado Island, Panama.

Forest Fungal Ecology Research Award: Ben Waitman

This award supports ecological research by a graduate or undergraduate student, examining fungal interactions in old growth forests or other unique or endangered ecosystems. Studies should address innovative approaches to examining fungal systems or interactions of individuals, or groups of fungi, with hosts or substrates in old growth forest or other sensitive ecosystems.

Ben Waitman is a Ph.D. candidate at the University of California, Davis in the lab of Dr. Valerie Eviner. He received a B.S. in Biology from the College of William and Mary and an M.S. in Biology from the University of Nevada where he studied seed dispersal. Ben is interested in how changes to ectomycorrhizal community composition impact ecosystem function. He is currently studying the effects of chronic nitrogen deposition on ectomycorrhizal community composition and how this in turn impacts host resource uptake in montane ponderosa pine forests in southern California.

Postdoctoral Forest Fungal Ecology Award: Dr. Sara Branco

This award supports ecological research by a postdoc examining fungal interactions in old growth forests or other unique or endangered ecosystems. Studies address innovative approaches to examining fungal systems or interactions of individuals, or groups of fungi, with hosts or substrates in old growth forest or other sensitive ecosystems.

Sara Branco is an evolutionary biologist interested in understanding biological diversity and her work aims at unveiling the mechanisms involved in shaping fungi in nature. She received her Ph.D. from the University of Chicago, where she studied the ecology and evolution of ectomycorrhizal fungi and their hosts in chemically harsh soils. Sara is currently a postdoctoral researcher at the University of California, Berkeley and has been using population genomics to study the genetic bases of evolutionary change in *Suillus brevipes.*

Postdoctoral Forest Fungal Ecology Award: Dr. Linda van Diepen

This award supports ecological research by a postdoc examining fungal interactions in old growth forests or other unique or endangered ecosystems. Studies address innovative approaches to examining fungal systems or interactions of individuals, or groups of fungi, with hosts or substrates in old growth forest or other sensitive ecosystems.

Linda van Diepen completed her B.S. in Environmental Chemistry in the Netherlands, and continued as a Master’s student at Wageningen University in Environmental Science, with a focus on Soil Science. Her thesis project brought her to the USA for the first time, studying nitrogen cycling in rice fields of the Central Valley in California. After comple-

Continued on following page
tion of her M.S. degree she worked as a researcher in aquatic ecology at the research Institute Alterra (Wageningen, the Netherlands). After one year, she returned to the USA, and pursued a Ph.D. in Forest Science with Erik Lilleskov at Michigan Technological University. Here she started to explore the world of fungi, specifically, understanding the impacts of simulated nitrogen deposition on arbuscular mycorrhizal fungi in northern hardwood forests. After her Ph.D. she joined Tim James’ mycology lab at the University of Michigan for one year, studying fungal genetics, and then moved into her current position as a postdoc in Serita Frey’s microbial ecology lab at the University of New Hampshire. Here she has been able to combine all of her research interests; fungal ecology, soil biology, and ecosystem ecology. Her research focuses on understanding the role of fungi in biogeochemical cycling, in particular in the context of global change. Her MSA award will fund physiological experiments and sequencing of fungal isolates from global change experiments.

Clark T. Rogerson Student Research Award: Tim O’Connor

The Clark T. Rogerson Student Research Award supports student travel to herbaria and/or field sites to conduct research. Grants are available to undergraduate or graduate students who are members of the Mycological Society of America

Tim O’Connor is a Ph.D. student at the University of Arizona interested in the evolution of insect-fungal symbioses. He completed his B.S. at the University of Illinois in 2009, where he studied social insect evolution and systematics with Dr. Sydney Cameron. Following fieldwork on termite behavior in Costa Rica and time in Dr. Corrie Moreau’s lab at The Field Museum in Chicago, Tim joined the labs of Drs. Jessica Green and Brendan Bohannan at the University of Oregon. As part of the Biology of the Built Environment center, he collaborated with biologists and architects to characterize and model the microbial diversity of buildings. In his Ph.D. work Tim is combining a background in insect evolution with a newfound appreciation for bacterial and fungal biodiversity. With the support of the Clark T. Rogerson Award, Tim will begin his dissertation research this summer on the symbiosis of gall-forming flies (family Cecidomyiidae) and their Botryosphaeria symbionts in the Southwestern US.

Martin-Baker Research Award: Vacant

The George W. Martin and Gladys E. Baker Research Award supports new or ongoing research in mycology by a recent Ph.D. mycologist (preferably within 5 years of receiving the degree), who also has significant teaching commitments.

John W. Rippon Research Award: Vacant

This award supports graduate student research, which employs innovative approaches to studying medically important fungi. Studies may be clinical in nature or may encompass various research areas, such as genetics, systematics, genomics, ecology, distribution, epidemiology, mechanisms of pathogenicity, life cycles, or other appropriate approaches to the study of medically important fungi.

A.H. & H.V. Smith Research Award: Vacant

The primary purpose of the Alexander H. and Helen V. Smith Research Award is to encourage the study of specimens of fleshy Basidiomycetes and Ascomycetes collected by Alexander H. Smith and his associates. The Fund distributes grants-in-aid to be used towards covering the expenses of visiting the Smith Collection at the University of Michigan Herbarium and of working with the collections and materials relating to them.

Research Awards Committee: Ning Zhang, Chair; Betty Strack; David Geiser; Peter Kennedy; Jolanta Miadlikowska; Teresa Pawlowska, ex officio, Past Chair.

Constantine J. Alexopoulos Travel Award: Roo Vandegrift

Roo Vandegrift is a Ph.D. candidate at the University of Oregon in the lab of Dr. Bitty Roy. He studies plant-fungal interactions, with a particular interest in symbioses; this has led to a diverse group of projects including everything from mycorrhizae and climate change, invasive grasses and Epichloë endophytes, to tropical tree endophytes in the Xylariaceae. He grew up an Air Force brat, earned his undergraduate degree at Virginia Tech where he worked with Dr. Robert H. Jones, then worked in biotech for several years. After that, he decided to go back to ecology, and worked as a technician for Dr. Brenda Casper at University of Pennsylvania for a year before starting graduate school at UO. In addition to fungal ecology, Roo has a great interest in biological (and particularly mycological) illustration, and draws whenever he can pry himself away from his dissertation, and sometimes even when he can’t.

Howard E. Bigelow Travel Award: Brian Looney

Brian Looney is a Ph.D. student at the University of Tennessee in the lab of Dr. P. Brandon Matheny, where his research is focused on systematics and patterns of diversification in the ectomycorrhizal genus Russula. He is passionate about field collecting in the Great Smoky Mountains National Park, and he regularly attends regional mushroom forays throughout the southeast US.

Edward E. Butler Travel Award: Katy Lazarus

Katy Lazarus is currently a M.S. student under Dr. Matt Smith at the University of Florida, Gainesville. She received her B.S. in Plant Biology at the University of Michigan in 2013 and completed her honors thesis with Dr. Tim James on the evolution of the early-diverging fungal lineage Cryptomycota. Katy first became enamored with plants and fungi in Michigan through ethnobiology and foraging, especially morel hunting. Her interests eventually spread to research in evolution, symbioses, and fungal biodiversity. Her M.S. research project is on the evolution and ecology of a genus of obligate mycoparasites (Syncephalis) that attack other Zygomycetes.

William C. Denison Travel Award: Sarah Dean

Sarah Dean received her B.A. in Ecology from Hampshire College in Amherst, Massachusetts. Her focus was on soil-plant interactions, and she conducted her college thesis on soil and tree regeneration during the fallow years of slash-and-burn agriculture in a Karen hill tribe in northern Thailand. Following completion of her undergraduate degree Sarah obtained an internship at the Archbold Biological Station where she conducted research on the effects of fire on soil biogeochemistry. This was followed by a couple of technician position at the University of New Mexico; one which included building and maintaining Eddy-Flux towers, and one which introduced her to fungal ecology. She entered a Ph.D. program at the University of New Mexico, and is studying root bacterial and fungal communities, and how they mediate plant responses to abiotic environmental changes.

R.L. Gilbertson Travel Award: Alicia Knudson

Alicia Knudson completed her B.S. in Botany at the University of Wisconsin-Platteville in 2007. She was mentored by Dr. Elizabeth Frieders and worked with Eocronartium, a fungal parasite of moss. While employed as an undergraduate researcher in the Frieders’s lab, her interest in mycology developed. Alicia obtained her M.S. from the University of Minnesota in Dr. David McLaughlin’s lab in 2010, studying the diversity of Ramaria in Minnesota. Her M.S. work recognized fourteen new Ramaria species in Minnesota and new species descriptions are planned to be published in the fall of 2014. Following graduation, she returned to the University of Wisconsin-Platteville as a faculty member of the Biology department, teaching introductory biology and botany for one year. Currently she is working towards her Ph.D. at Clark University in Dr. David Hibbett’s lab, focusing on fruiting body formation in Basidiomycota and morphological transitions in fruiting body form in Gomphales. Her thesis work includes studies...
on developmental plasticity and fruiting body formation in *Lentinus tigrinus*, which produces a coralloid form when grown in darkness. This work will entail transcriptomic analyses and experiments in fungal photobiology which will shed light on light induced gene expression in *Lentinus*. Ali-cia is dedicated to science education and hopes to teach biology and mycology after graduation.

**Richard P. Korf Travel Award: David S. Aaron**

David Aaron received his B.A. in Environmental Studies from Washington University in St. Louis. He is broadly interested in community assembly of endosymbionts and his doctoral dissertation work focuses on how communities of diverse fungal endophytes form within host grasses of the Pacific Northwest dunes. He conducts his research primarily in dunes along the Northern Oregon and Southern Washington coast.

**Charles Kramer Travel Award: Jaya Seelan**

Jaya Seelan is a Ph.D. candidate at Clark University under the supervision of Professor David Hibbett. He is working on the taxonomy and phylogenetic relationships of lentinoid and pleurotoid mushrooms from Borneo and Southeast Asian region. Jaya is a full time researcher at the Institute for Tropical Biology and Conservation, Universiti Malaysia Sabah, Malaysia. Previously, he worked on the Diversity of *Aspergillus* spp. and their bioactive properties in Borneo, Malaysia as his B.S. and M.S. research work. He joined UMS in 2008 to work on the macrofungal diversity and plant diseases in Northern Borneo. He is also a recipient of the IAPT award for systematic revisions of *Panus* spp. (Polyporaceae, Basidiomycetes).

**Everett S. Luttrell Travel Award: Samantha Lee**

Samantha Lee is currently a third year Ph.D. candidate at Rutgers, The State University of New Jersey. Her research seeks to investigate the effects of *Trichoderma* volatile organic compounds (VOCs) on plant health and development under the direction of Dr. Joan W. Bennett. She is primarily interested in studying how *Trichoderma* species are able to communicate with plants in soil and identifying compounds responsible for plant growth promotion.

**Orson K. Miller Travel Award: Hai D.T. Nguyen**

Hai D.T. Nguyen completed his B.S. and M.S. at the University of Ottawa in 2008 and 2011 respectively. During his B.S., he studied the biodiversity of heat resistant fungi in soil and described three new species of *Leo-humicola*. He switched fields during his M.S., venturing into bacteriology and studying bacteria-amoeba interactions. Having realized that the study of fungi was his ultimate passion, he returned to mycology for his Ph.D. He is currently a Ph.D. candidate under the supervision of Dr. Keith A. Seifert at the University of Ottawa & Agriculture and Agri-Food Canada (AAFC). He would like to thank the research group at AAFC for opening his eyes to fungi and for continuing to cultivate his development as a mycologist. His Ph.D. research is focused on the study of novel lineages of heat resistant and xerophilic fungi in the Basidiomycota. These enigmatic fungi are largely unknown and he plans to characterize them using taxonomy and genomics.

**Orson K. Miller Travel Award: Rachel Koch**

Rachel Koch joined the Aime Lab in 2011. Her work focuses on the systematics and evolution of fungi in tropical ecosystems, with a specific focus on the western Pakaraima Mountains in Guyana. She is focused on the evolution of a newly discovered gasteromycete, *Guyanagaster necrorhiza*, closely related to species in the genus *Armillaria*. Drawing from population genetics, phylogenetics, and genomics approaches, Rachel hopes to determine the selection pressures that led to the evolution of *G. necrorhiza*.

**James M. Trappe Travel Award: Alija Bajro Mujic**

Alija Bajro Mujic is a Ph.D. candidate in the lab of Dr. Joseph Spatafora at Oregon State University. His research interests include fungal systematics, ecology, and conservation in terrestrial ecosystems as well as applications of computer technology to this research. Alija completed his undergraduate degrees at the University of California, Santa Cruz; graduating in 2004 with an honors B.A. in Environmental Studies and a B.S. in Computer...
Science. Prior to graduate study, Alija pursued a career as a restoration ecologist in the employ of Central Coast Wilds (CCW), an environmental restoration and consulting firm based in the city of Santa Cruz, California. At CCW he served as project manager, native plant seed collector, and project estimator while also directing a fungal research program. This program investigated the efficacy of lignocolous fungi as components of biological filtration systems to mitigate pollution in agricultural runoff. Alija’s dissertation research is concerned with the evolutionary biology, ecology, and phylogeography of the ectomycorrhizal (EM) symbiosis shared by the genera *Rhizopogon* and *Pseudotsuga* (Douglas fir). To complete this work Alija has conducted field work in Japan, Taiwan, China, Mexico, and throughout the Western United States. This year at MSA Alija will be presenting the results of a pot culture based EM competition study entitled, “On living with family: factors affecting the vertical distribution of the ectomycorrhizal sister species *Rhizopogon vinicolor* and *Rhizopogon vesiculosus* in soil.”

**Mentor Student Travel Award Committee:** Melissa McCormick, Chair; Matias Cafaro; Brian Perry; Scott Bates; Heather Hallen-Adams, ex officio, Past Chair

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**MSA INTERNATIONAL TRAVEL AWARDS**

**IMC10 Bangkok Travel Award: Ko-Hsuan Chen**

Ko-Hsuan Chen is currently a Ph.D. student in Dr. Francois Lutzoni’s lab at Duke University. She was originally interested in botany, but was fascinated by the fungus-plant interaction during her undergraduate study at National Taiwan Normal University. Her M.S. study focused on the systematics of Diatrypaceous fungi in Taiwan, under the supervision of Dr. Yu-Ming Ju. Her Ph.D. thesis focuses on the phylogenetic/taxonomic placements of foliar fungal endophytes and endolichenic fungi in the Fungal Tree of Life. In addition to phylogeny/taxonomy, she is interested in the functional transitions of endophytes, with a specific focus on the saprotroph-endophyte switches.

**IMC10 Bangkok Travel Award: Virginia Ramírez Cruz**

Virginia Ramírez Cruz completed her doctoral studies at University of Guadalajara, México in 2013 under the supervision of Dr. Laura Guzmán Dávalos. Her doctoral research focused on the phylogenetic relationships in genera *Psilocybe* and *Deconica*. Currently, she is a postdoctoral associate at the Universidad de la Sierra Juárez in Oaxaca, Mexico. She is interested in the taxonomy of Agaricales, primarily. Now she is developing a project on the taxonomy and diversity of macromycetes in a region in southern Mexico (Oaxaca). The MSA fellowship will provide valuable support to go to IMC10 in Thailand.

**IMC10 Bangkok Travel Award: André Luiz Firmino**

André Luiz Firmino is a Ph.D. student under the supervision Prof. Olinto Liparini Pereira at the Department of Plant Pathology, Universidade Federal de Viçosa (UFV). He received his B.S. in Forest Engineering in 2011 and his M.S. in Plant Pathology in 2013 at UFV. He is working on the biodiversity and phylogeny of Asterinales from Brazil, especially from the Atlantic Rain Forest and Cerrado biomes.

**IMC10 Bangkok Travel Award: Thomas S. Jenkinson**

Thomas Jenkinson is a Ph.D. candidate at the University of Michigan advised by Dr. Tim James. Thomas’ dissertation research focuses on the population genetics and evolutionary history of *Batrachochytrium dendrobatidis*, the emerging pathogen responsible for amphibian chytridiomycosis. Thomas received his B.S. from Oregon State University, where he was introduced to mycology by foraying in the forests of the Pacific Northwest with Dr. Joey Spatafora. After graduation, Thomas worked as a technician on the AFTOL project at the University of Minnesota before earning his M.S. with Dr. Dennis Desjardin at San Francisco State University. His research interests include fungal evolutionary genetics, biodiversity conservation, and the communication of mycology to the wider public through education and outreach.

**Continued on following page**
IMC10 Bangkok Travel Award: Matthew Nelsen

Matt is working on his Ph.D. at the University of Chicago with Dr. Rick Ree. His dissertation is focused on addressing macroevolutionary questions related to lichen symbiosis. Specifically, he is working to clarify the temporal origins of interacting fungal and algal lineages, and identify the roles various traits and earth history events have played in shaping the diversification of lichen-forming fungi.

IMC10 Bangkok Travel Award: Marisol Sánchez-García

Marisol Sánchez-García received a B.S. in Biology and a M.S. in Systematics from the Universidad Nacional Autónoma de México where she worked on the systematics of the genus Melanoleuca under the supervision of Joaquín Cifuentes. She is now a Ph.D. candidate at the University of Tennessee working with Brandon Matheny. Her current research focuses on the systematics and evolution of the Tricholomatoid clade, and she is particularly interested in studying diversification patterns within this clade and the genetic changes that underlie transitions from saprotrophic to ectomycorrhizal fungi.

IMC10 Bangkok Travel Award: Meiriele da Silva

Meiriele da Silva is a Ph.D. student under the supervision of Prof. Robert W. Barreto at the Department of Plant Pathology, Universidade Federal de Viçosa (UFV), presently spending a one-year period (split Ph.D.) at the CBS in the Netherlands in Prof. Pedro Crous’ lab. She is working on the morphological and molecular reassessment of Brazilian cercosporoid fungi. Prior to that she studied the mycobiota associated with an endangered tree in Brazil [Dimorphandra wilsonii (Fabaceae)] aiming at producing a list of microfungi species threatened by co-extinction. This was the topic of her master’s thesis. She has worked on mycology and the taxonomy of fungal pathogens of plants since she was an agronomy undergraduate student at UFV. She is native from Paraopeba, state of Minas Gerais, Brazil.

Latin American Mycological Society Meeting: Catalina Salgado-Salazar

Catalina Salgado-Salazar received her B.S. and M.S. in Biology from Universidad del Cauca and Universidad de los Andes (Colombia), respectively. Her main interests are molecular systematics, speciation, evolutionary diversification, and population genomics of fungi and fungal-like organism. Her Ph.D. dissertation work (University of Maryland, 2013) focused on the inference of species level phylogenetic relationships of the genus Thelonectria and related species with Cylindrocarpon-like asexual states. As a Rutgers University Postdoctoral Researcher, she is currently focusing on newly emergent downy mildew pathogens of ornamental plants, using genomic tools to understand the factors underlying the recent epidemics of impatiens downy mildew disease in the US. One of our main goals in this research is to generate high quality genome sequences from representatives of different Plasmopara obducens populations in order develop a large number of simple sequence repeat (SSR) markers to analyze the genetic diversity of isolates across their range, and to compare genomic results with virulence factors variability.

International Travel Award Committee: Kevin Hyde, Chair; K. Martin Ryberg; Maria Alice Neves; Manfred Binder; Neal Bougher, ex officio, Past Chair.
The student presentation awards are awarded annually to the best oral research papers and the best posters in mycology presented by graduate and undergraduate students at the annual MSA meeting.

Best Graduate Oral Presentation: Alija Bajro Mujic

Alija Bajro Mujic is a Ph.D. candidate in the lab of Dr. Joseph Spatafora at Oregon State University. His research interests include fungal systematics, ecology and conservation in terrestrial ecosystems as well as applications of computer technology to this research. Alija completed his undergraduate degrees at the University of California, Santa Cruz; graduating in 2004 with an honors B.A. in Environmental Studies and a B.S. in Computer Science. Prior to graduate study, Alija pursued a career as a restoration ecologist in the employ of Central Coast Wilds (CCW), an environmental restoration and consulting firm based in the city of Santa Cruz, California. At CCW he served as project manager, native plant seed collector, and project estimator while also directing a fungal research program. This program investigated the efficacy of lignoculous fungi as components of biological filtration systems to mitigate pollution in agricultural runoff. Alija’s dissertation research is concerned with the evolutionary biology, ecology, and phylogeography of the ectomycorrhizal (EM) symbiosis shared by the genera *Rhizopogon* and *Pseudotsuga* (Douglas fir). To complete this work Alija has conducted field work in Japan, Taiwan, China, Mexico, and throughout the Western United States. This year at MSA Alija presented the results of a pot culture based EM competition study entitled, “On living with family: factors affecting the vertical distribution of the ectomycorrhizal sister species *Rhizopogon vinicolor* and *Rhizopogon vesiculosus* in soil.”

Best Graduate Oral Presentation: Roo Vandegrift

Roo Vandegrift is a Ph.D. candidate at the University of Oregon in the lab of Dr. Bitty Roy. He studies plant-fungal interactions, with a particular interest in symbioses; this has lead to a diverse group of projects including everything from mycorrhizae and climate change, invasive grasses and Epichloë endophytes, to tropical tree endophytes in the Xylariaceae. He grew up an Air Force brat, earned his undergraduate degree at Virginia Tech where he worked with Dr. Robert H. Jones, then worked in biotech for several years. After that, he decided to go back to ecology, and worked as a technician for Dr. Brenda Casper at University of Pennsylvania for a year before starting graduate school at UO. In addition to fungal ecology, Roo has a great interest in biological (and particularly mycological) illustration, and draws whenever he can pry himself away from his dissertation, and sometimes even when he can’t.

Best Graduate Poster Presentation: Steven Ahrendt

Steven is a 4th year Ph.D. student in the Genetics, Genomics, and Bioinformatics program at the University of California, Riverside. He works with Dr. Jason Stajich and is addressing questions about sensing and environmental responses by early-diverging fungi using comparative genomics, and exploring the diversity of sensing proteins using fungal metagenomics.

Best Graduate Poster Presentation: Jason Oliver

Jason is from the Finger Lakes region of upstate New York. He has been dairy and vegetable farming most of his life and studying and cultivating fungi for more than a decade. Jason earned his B.S. in Environmental & Forest Biology from SUNY College of Environmental Science & Forestry in 2006 where he was mentored by Dr. Tom Horton and employed by microfungi expert Dr. Chun ‘June’ Wang as an undergraduate research assistant. Jason then earned his M.S. in Ecology & Environmental Science from the University of Maine in 2008 in the wood decay lab of Dr. Jody Jellison where he investigated decay physiology of the *Coprinaceae*. Currently Jason is a Ph.D. candidate at the University of Minnesota, studying under Dr. Jonathan Schilling. His current investigations are focused on the role and ecology of fungi in wood chip biofilters used to mitigate odor and greenhouse gas emissions from livestock operations. This research has dovetailed neatly with his interests in fungal ecology and agricultural sustainability. Outside this focus area, Jason also collaborates on long-term wood decay field trials and continues to explore the decay physiology of the inky cap fungi. In addition to fungal research, Jason is co-founder of the UMN Mycology Club, where he helps organize journal discussions, a seminar series, mushroom forays, cultivation workshops, and helps operate a fungal garden project that produces several hundred pounds of edible mushrooms each
growing season. Beyond his professional pursuits, Jason spends time with his fiancé Amy, dogs Goldberry and Esau, and keeps busy vegetable gardening and enjoying the outdoors. Learn more about Jason at his webpage: jpoliver.weebly.com.

**Best Undergraduate Poster Presentation: Paris Hamm**

Paris Hamm is a senior at Western Illinois University (WIU) majoring in Biology and French. She is part of the RISE@Biology (Research Inspiring Student Excellence) program and the Honors College at WIU. She started her research in the mycology lab with Dr. Andrea Porras-Alfaro lab in 2013. Her research focuses on the study of keratinophilic fungi in arid ecosystems.

**Best Undergraduate Oral Presentation: Christopher Smyth**

Christopher Smyth is currently a Ph.D. student in the Department of Plant Pathology and Environmental Microbiology at the Pennsylvania State University. He completed his B.S. degree in Biology, concentrating in marine biology, at Lock Haven University in the spring of 2013. Much of his undergraduate research focused around White Nose Syndrome in bats, which has been wreaking havoc on North American bat populations since 2006. At Penn State he works in the Fusarium Research Center (FRC) and is advised by David Geiser. His thesis project revolves around understanding biofilms as they relate to the genus *Fusarium*, focusing especially on those known to be human pathogens. He also has a strong interest in marine mycology and the use of fungi in coastal restoration practices.

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**Awards information was provided by Andrea Porras-Alfaro, MSA Awards Coordinator 2014-2015.**

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**MYCOLOGICAL NEWS**

**Coming This Summer to the Pages of FUNGI: Lichens!**

The Special Issue of FUNGI for 2014 is devoted to lichens. Featured will be the latest science; their role in the environment; their chemistry, secondary metabolites, and toxicology; ethnomycology, even culinary uses. (Oh, and a science fiction piece by a world famous lichenologist that you will NOT want to miss!) And as with all issues of FUNGI, the photography will be stunning.

If you made it to the MSA annual meeting, you likely grabbed a copy of the current issue. If you didn’t see us at MSA, not to worry—subscribe today and you won’t have to miss out on the amazing spring issue. Signing up is quick and easy at www.fungimag.com and you can find lots of other mushroom goodies at the fungimag Store page.

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Welcome to the 33rd annual Telluride Mushroom Festival, sponsored by the Telluride Institute, held from Saturday August 16 through Tuesday August 19. Pre-festival workshops and an early-bird mushroom walk will also be held on August 15.

Set in the beautiful San Juan Mountains, the Telluride Mushroom Festival offers something for everyone, from guided forays in the San Juan Mountains, to presentations on mushroom cultivation, anthropology, remediation, and significant research.

This year’s festival very consciously looks at the role of mushrooms across a broad spectrum of human life. Festival activities include everything from the ever-popular (and sometimes outrageous) mushroom costume parade, to sessions for the mushroom gourmet, to discussions about how recent scientific research has led to exciting new developments in the fields of behavioral pharmacology, oncology, and other areas of human health and medicine.

This year also sees the inception of the Telluride Institute Voucher Program science tent, overseen by internationally renowned mycologist John Holliday, and distinguished author of *The Audubon Guide to Mushrooms*, Gary Lincoff. Funded by Aloha Medicinals, the goal of this program is to educate festival participants in the identification and discovery of mushrooms, some of which might be new to science. Festival participants will be invited to bring fungi samples to the Voucher Program science tent. The specimens will be packaged and sent off for DNA analysis as part of an on-going project to identify fungi of the Telluride area. Who knows which lucky foray member will be responsible for finding a previously undescribed species!

The broad array of festival topics is also highlighted through the many workshops and guest lectures. The keynote speaker, author Langdon Cook, is a writer, instructor, and lecturer on wild foods and how to find them. His latest book, *The Mushroom Hunters: On the Trail of an Underground America*, won the 2014 Pacific Northwest Book Award. This remarkable book brings out the mycophile in all of us by showing how mushroom foraging can revitalize our relationship with the natural world.

On new topics in medicine, Robert Rogers, a leading expert on medicinal fungi, will discuss how mushrooms can improve your health. Biotechnology researcher, Dr. Ayman Daba, will discuss the use of mushrooms to reverse cancerous tumors by boosting the host’s immune system. And, Maggie Klindedinst, a senior program coordinator in Behavioral Pharmacology at Johns Hopkins University, will discuss research on the use of mushrooms in developing medications for the treatment of mental disorders.

On the lighter, and more colorful, side of things mycologist and fiber artist Alissa Allen will offer a workshop on the process of extracting brilliantly colored dyes from mushroom specimens and using those dyes to color wool and silk. (Each workshop will be limited to 20 participants, so book early!) Legendary mushroom photographer, Taylor Lockwood, will screen his most recent film and offer tips for all on how to improve your own mushroom photography. And, Lawrence Millman will give a presentation on ethnomyecology, in which he talks about (among other things) how certain Native peoples use fungi to get rid of evil spirits.

The connoisseur in all of us will be delighted as the Wilkinson Public Library hosts a Mushroom Cook-Off street party on Saturday, August 16. Chefs from around the country will compete for the “People’s Choice Award,” the “Judges’ Choice Award,” and the much-coveted “Mushroom Cap” by creating delectable and inventive wild mushroom dishes. Everyone gets to watch the chefs in action, sample their dishes, and vote for their favorites! The Cook-Off will also feature mushroom-infused beer, live music, vendors, and a grand tasting.

As always, the very popular Telluride Mushroom Festival Parade will be a lively celebration of all things fungal. Led by poet laureate and colorful 60s luminary Art Goodtimes, mushroom enthusiasts will parade down Main Street dressed in extravagant mushroom-themed costumes. Needless to say, there will be a contest for the best (craziest?) mushroom costume.

We welcome you to join us for this wonderful, fun, and surprisingly serious look at the world of fungi. As Matt Kostalek, vice president of Aloha Medicinals has noted, where else can you see “hundreds of festival participants dressed as mushrooms in the epic annual costume parade,” while also having the opportunity “to learn about and participate in serious science taking place beneath a tent nearby.”

Join us to explore the Kingdom of Fungi in all its surprising manifestations!

Telluride Mushroom Festival
August 16 - 19, 2014
Pre-Conference Workshops on Friday, August 15th: Tickets Here www.telluridemushroomfest.org
AAAS, in collaboration with the Lemelson foundation (http://www.lemelson.org/), established the Invention Ambassador program (http://www.aaas.org/inventionambassadors) to recognize people who have helped improve lives through invention. This year Paul Stamets was recognized by the program for his founding of Fungi Perfecti, his nine patents, his fungal-based bioremediation methods, his authorship of six books, and his wildly popular TED and TEDMED talks. Paul was among the elite set of only seven inventors who were recognized in this inaugural year for the award. In many ways he has been an unofficial ambassador for mycology for many years, now the AAAS-Lemelson program makes it official. Congratulations are due!

**Stamets Among First AAAS-Lemelson Invention Ambassadors**

**Fungi in the News**

North Korea unveils new mushroom sports drink
http://www.theguardian.com/world/2014/may/30/north-korea-mushroom-sports-drink

Re-examining Rots: Fungi that digest wood in novel ways could fuel new avenues of research on cellulosic ethanol, and suggest a need to move beyond traditional classification systems.
http://www.the-scientist.com/?articles.view/articleNo/40319/title/Re-examining-Rots/

Barf-Less Brews:
“As a brewer, I think there’s something inherent about not wanting to make a beer with detectable levels of any substance called vomitoxin”

**MSA Student Section**

2014 Board Election Results:
Chair Danny Haelewaters, Vice Chair Jessie Uehling, Web-master: Chris Smyth
Treasurer Samantha Lee, Secretary Klara Scharnagl, Communications Cat Adams

Follow us online for more updates on future events and ways to get involved!

http://www.linkedin.com/MSAStudents
http://www.facebook.com/MSAStudents
http://www.gplus.com/MSAStudents
The Mycologist’s Bookshelf is on hiatus this issue. If you have a book that you agreed to review, please get those reviews to the Bookshelf editor, Bob Marra (robert.marra@ct.gov).

**The Fifth Kingdom on CD-ROM**

The Fifth Kingdom on CD-ROM is now available in an extensively updated form for teaching purposes. Available for class orders at $25 per copy. Contact Bryce Kendrick bryce@mycolog.com

**Icones Mycologicae**

Taxonomists lacking access to the revised edition of Émile Boudier’s *Icones Mycologicae* should contact me stating their case. I have my personal set of this 5 volume set that I would be delighted to give to your institution’s library. Its current value is, conservatively, $1,000. Most of the illustrations are of Discomycetes, so if you are a working taxonomist in that area you will have a better chance of capturing this prize. My email address is <info@mycotaxon.com>, and my name is Richard P. Korf, one of the editors of the revision.

**Journals Free If You Pay Postage**

I have an almost complete set of “Transactions Of the British Mycological Society” including some hard bound including the first volume. Also I have almost all of “Mycotaxon” from the beginning until Orson’s death. If interested, please contact Hope Miller at my email address, orsonk@frontiernet.net.

**Biological Control, Biotechnology and Regulatory Services**

Center for Regulatory Research, LLC specializes in regulatory permit application services for biological control and biotechnology organisms/products. Let us evaluate your research discoveries for commercial potential and environmental impacts. We also offer assistance with writing proposals for SBIR grant programs (Small Business Innovation Research) that fund new commercial ventures. Contact Dr. Sue Cohen by email (sdcohen@regresearch.com) or by phone (612-246-3838). For more information about our company, visit our website at www.regresearch.com.

**REMEMBER: MSA Directory Update**

Is your information up-to-date in the MSA directory? The Society is relying more and more on email to bring you the latest MSA news, awards announcements and other timely information, and our newsletter. To ensure that you receive Society blast emails and the Inoculum as soon as it comes out, and so that your colleagues can keep in touch, please check the accuracy of your email address and contact information in the online directory. This can be accessed via our web site at www.msafungi.org. If you need assistance with updating your membership information, or help with your membership log-in ID and password, please contact Allen Press at msa@allenpress.com.
The Department of Plant Pathology at the University of Wisconsin-Madison is searching broadly at the assistant professor level for a researcher who studies the ecology or epidemiology of plant-associated microbes through the use of emerging and novel quantitative methods. Areas of focus could include, but are not limited to: role of plant pathogens in the ecology of agricultural or natural systems; ecology of plant-associated microbes; population genetics of plant pathogens; metapopulation and dispersal dynamics; or the influence of landscapes and the physical environment on host-pathogen dynamics. We expect the incumbent to develop a research program with both empirical and theoretical components that form a bridge between basic and applied research. Further, we expect the incumbent to collaborate with colleagues in other programs such as plant biology, microbiology, ecology, modeling and related disciplines. The successful candidate will also be expected to develop a vigorous extramurally funded research program and to teach and mentor graduate and undergraduate students. The position carries a 70% research / 30% teaching distribution of effort, and a 9-month appointment. Teaching responsibilities include leading a graduate level course in ecology, epidemiology and control of plant diseases. Requirements include: a Ph.D. in plant pathology, microbiology, ecology, botany, or related discipline; a strong foundation in the principles and concepts of plant pathology and relevant research experience; effective oral and written communication skills; and a positive attitude for teamwork, including the ability to lead and motivate others.

To apply, compile the following into a single pdf file: cover letter, statements of teaching and research interests, and curriculum vitae, and submit to: ecoepisearch@plantpath.wisc.edu. Arrange to have copies of undergraduate and graduate transcripts, and three letters of reference emailed to the same address. Questions regarding the position may be directed to Professor Murray Clayton, mkc@plantpath.wisc.edu. Applications received by September 1, 2014 will be assured full consideration; review of applications will continue until a suitable candidate is identified. The University of Wisconsin is an Equal Opportunity/Affirmative Action Employer. For additional information about the University of Wisconsin, the department, and Madison, please see the links at www.plantpath.wisc.edu.

NOTE TO MEMBERS:
Those wishing to list upcoming mycological courses, workshops, conventions, symposia, and forays in the Calendar of Events should include complete postal/electronic addresses and submit to Inoculum editor Julia Kerrigan at jkerrig@clemson.edu.
Below is an alphabetical list of websites featured in *Inoculum*. Those wishing to add sites to this directory or to edit addresses should email jkerrig@clemson.edu. Unless otherwise notified, listings will be automatically deleted after one year (at the editors discretion).

In depth information about the genus *Amanita*
www.amanitaceae.org

A New Web Page About Tropical Fungi, Hongos Del Parque "El Haya"
(58-5)
hongosdelhaya.blogspot.com/

ASCOFrance.com, a very useful site for illustrations of ascomycetes including anamorphs (accessible in both French and English)
ascofrance.com/?lang=us

Ascomycota of Sweden
www.umu.se/myconet/asco/indexASCo.html

Basidiomycete Research Group (University of Helsinki, Finland) studies systematics, ecology and evolution of fungi in forest environment.
www.basidiom.fi

Bibliography of Systematic Mycology
www.speciesfungorum.org/BSM/bsm.htm

Cold Spring Harbor Laboratory; Meetings & Courses Programs
(58-2)
meetings.cshl.edu

Collection of 800 Pictures of Macro- and Micro-fungi
www.mycolog.com

Cornell Mushroom Blog
(58-1)
http://blog.mycology.cornell.edu/

Cortbase
(58-2)
andromeda.botany.gu.se/cortbase.html

Corticoid Nomenclatural Database
(56-2)
www.phyloinformatics.org/

The Cybertruffle internet server for mycology seeks to provide information about fungi from a global standpoint (59-3).
www.cybertruffle.org.uk

Cyberliber, a digital library for mycology (59-3).
www.cybertruffle.org.uk/cyberliber

Cybernome provides information about fungi and their associated organisms, with access to over 548,000 records of scientific names (59-3).
www.cybertruffle.org.uk/cybernome

Dictionary of The Fungi Classification
www.indexfungorum.org/names/fundic.asp

Fungal Environmental Sampling and Informatics Network (58-2)
www.bio.utk.edu/fesin/

German Mycological Society DGfM
www.dgfm-ev.de

Glomeromycota PHYLOGENY
amf-phylogeny.com

International Society for Human and Animal Mycology
www.isham.org

Medical Mycology journal
www.isham.org

Mycologia
mycologia.org

Humboldt Institute — Located on the eastern coast of Maine, the institute is known for the series of advanced and professional-level natural history seminars it has offered since 1987, along with ecological restoration seminars and expeditions to the neotropics. It publishes the two peer-reviewed journals, *Northeastern Naturalist* and *Southeastern Naturalist*.
www.eaglehill.us

Taxonomy of the Hysteriaceae & Mytilinidiaceae (Pleosporomycetidae, Dothideomycetes, Ascomycota) to facilitate species identification using a set of updated and revised keys based on those first published by Hans Zogg in 1962. 59(4)
www.eboehm.com/

Index of Fungi
www.indexfungorum.org/names/names.asp

Interactive Key to Hypocreales of Southeastern United States (57-2)
nt.ars-grin.gov/sbmlweb/fungi/keydata.cfm

ISHAM: the International Society for Human and Animal Mycology
www.isham.org

JSTOR
(58-3)
jstor.org

McCrone Research Institute is an internationally recognized not-for-profit institute specializing primarily in teaching applied microscopy.
59(4)
www.mcri.org

Mountain Justice Summer
(58-3)
www.MountainJusticeSummer.org

Mycology Education Mart where all relevant mycology courses can be posted.
www2.bio.ku.dk/mycology/courses/

MycoKey
www.mycokey.com

The Myconet Classification of the Ascomycota
www.fieldmuseum.org/myconet

New Electronic Journal about mushrooms from Southeast Mexico
(61-4)
http://fungavera.blogspot.com

Northeast Mycological Federation (NEMF) foray database
(58-2)
http://www.nemf.org/forays.htm

Pacific Northwest Fungi
www.pnwfungi.org/

Pleurotus spp.
www.oystermushrooms.net

Rare, Endangered or Under-recorded Fungi in Ukraine
(56-2)
www.cybertruffle.org.uk/redlists/index.htm

Registry of Mushrooms in Art
http://namyco.org/art_registry/index.html

Robigalia provides information about field observations, published records and reference collection specimens of fungi and their associated organisms, with access to over 685,000 records (59-3).
www.cybertruffle.org.uk/robigalia

Tree canopy biodiversity project University of Central Missouri
(58-9)
http://www.discoverlife.org/nh/tx/Fungi/canopy_biodiversity.html

Trichomycete site includes monograph, interactive keys, a complete database, world literature, etc. (61-4)
www.nhm.ku.edu/~fungi

The TRTC Fungarium
(58-1)
bbc.botany.utoronto.ca/ROM/TRTCfungarium/home.php

U.S. National Fungus Collections (BPI) Complete Mushroom Specimen Database
(57-1)
www.ars.usda.gov/ba/psi/sbml

Valhalla provides information about past mycologists, with names, dates of birth and death and, in some cases, biographies and/or portraits
www.cybertruffle.org.uk/redlists/index.htm

Website for the mycological journal Mycena
(56-2)
www.mycena.org/index.htm

Wild Mushrooms From Tokyo
www.ne.jp/asahi/mushroom/tokyo/
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The Society is extremely grateful for the continuing support of its Sustaining Members. Please patronize them and, whenever possible, let their representatives know of our appreciation.

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inoculum
The Newsletter of the
Mycological Society of America
Supplement to Mycologia
Volume 65, No. 4
August 2014

Inoculum is published six times a year in odd-numbered months (January, March, May, July, September, November). Submit copy to the Editor by email as attachments, preferably in MS Word. If you submit pictures, these need to be sent as separate JPGs or GIFs, not embedded in the word document. The Editor reserves the right to edit copy submitted in accordance with the policies of Inoculum and the Council of the Mycological Society of America.

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