The Gordon and Tina Wasson Award

The purpose of the Wasson Award is to recognize people with non-traditional academic backgrounds who have made outstanding contributions to the field of mycology, or who have widely transmitted significant scientific or aesthetic knowledge about fungi to the general public. Nominees for the award will be judged on the basis of the impact and quality of their contributions and on their sustained commitment to the field of mycology. At most a single award is given each year.

Deadline for submission of nomination package to the Mycological Society Distinctions Committee: February 15 annually

Requirements:
1. Nominee must have a substantial body of work that extends over at least a decade.
2. Nominee does not have a PhD in a field normally associated with mycology and is not employed as an academic or government mycologist, although they may have unpaid adjunct status.
3. Nominees need not be members of MSA, but nominations must be made by current MSA members; self-nomination is not allowed.
4. Nominations can be resubmitted for up to five years after initial submission of the documents; additional documentation can be added in successive years.

Nomination documents should include:
1. A nomination letter from a member of MSA describing the nominee’s contributions.
2. At least four supporting letters, at least two of which must be from MSA members.
3. A listing of the works or contributions that form the basis of the nomination, or a *curriculum vitae* or resumé if appropriate.

Apply to:
The nominator should prepare a single electronic file, preferably in pdf format, containing all of the items listed above and email it as an attachment or link to the MSA Distinctions Committee

The prize for the award is a plaque, a lifetime membership in the Mycological Society of America, including lifetime electronic access to *Mycologia*, and free attendance at the meeting where the award is presented.
Fungal taxa named after EJH Corner

Hopefully you are familiar with EJH Corner, the colorful mycologist and botanist. His son, John Corner, wrote a book about his father (see Bookshelf, it is in need of a reviewer). Many plants and fungi have been named in honor of EJH Corner. His son intended to include a full list of these names in the book, but only the plants were included. Below is a list of fungal taxa named in honor of EJH Corner. Dr. Scott Redhead compiled and kindly provided this list. This includes taxa that contain the name Corner, but there may be additional taxa designated in his honor.

—Julia Kerrigan

**FAMILY**

*Corneromycetaceae* Jülich, Persoonia 10(3): 336 (1979)

**GENERA**


*Corneromyces* Ginns, Mycologia 68(5): 970 (1976)


**SPECIES**


*Astrosporina corneri* E. Horak, Persoonia 10(2): 184 (1979)


*Conocybe corneri* Watling, Beih. Sydowia 8: 401 (1979)


*Linderomyces corneri* Singer, Vellozia 1: 14 (1961)


*Phaeocollybia corneri* E. Horak, Sydowia 29(1-6): 65 (1977) [1976-77]

*Podoscypha corneri* D.A. Reid, Beih. Nova Hedwigia 18: 172 (1965)


*Tubulicrinis corneri* Jülich, Persoonia 10(3): 332 (1979)


**SUBSPECIES**


Here’s a mycophagists synopsis:
Don’t mix alcohol with Coprinopsis or else when you sup acetaldehyde builds up and makes you feel really obnoxious.
Alicia was awarded the R.L. Gilbertson Mentor Travel Award to attend the 2014 MSA Annual Meeting at Michigan State University. She hails from Melrose, Wisconsin, and attended the University of Wisconsin-Platteville for her undergraduate degree. She is currently in the third year of her PhD in the Department of Biology at Clark University with David Hibbett.

Her current research focuses on phenotypic plasticity in fruiting body morphology of coralloid fungi, specifically the genus *Ramaria*. In the lab, she also grows and induces the fruiting of *Lentinus tigrinus*, demonstrating light-induced plasticity of fruiting bodies. Her lab has been investigating fruiting body plasticity from a variety of angles, including basic light experimentation, a survey of Agaricomycetes genomes for known photoreceptors and light-induced fruiting genes, and will soon include some transcriptomic work on different fruiting forms with the intention of identifying genes involved in fruiting body development and morphology.

She delivered a talk at the 2014 MSA meeting, entitled “Fruiting body shape in Gomphales and Clarification of *Ramaria*”. Alicia says that some of the best feedback she received from her talk was the simple willingness of other researchers to lend specimens for continuing work on the genus. This project is already in manuscript form and, after publication, the continuation of that work will fall secondary to her *L. tigrinus* plasticity research. Despite this, she still plans to collect Gomphales species and hopes to resolve more of the phylogeny of that order.

Some of her previous research includes studying the diversity of *Ramaria* in Minnesota, the molecular phylogeny of Micaceaeae (lichen-forming fungi), as well as a study of the moss parasite, *Eocronartium muscicola*.

Q: What was your favorite part of the 2014 MSA Meeting?
A: I really enjoy seeing the research of others so probably events like the poster sessions where you have the ability to talk with the researcher.

Q: How did you become a mycologist?
A: I was a botany major as an undergrad and I took a mycology course where we had to make a fungal collection. I never really stopped collecting after the course was over. So, I just loved the amazing diversity of fungi and my botany background was actually very useful to understanding fungi.

Q: Which professors influenced your research the most, and how?
A: As a joke, I often blame Dr. Elizabeth Frieders for my interest in mycology. She taught the mycology course I had taken, and offered me the opportunity to do research as an undergrad, which I feel like really influenced my decision to pursue graduate school and work with fungi.

My Master’s advisor, David McLaughlin, really helped me focus my interests on the genus *Ramaria* and phylogenetics. I am more of an organismal biologist by nature and Dr. McLaughlin gave me the opportunity to have that kind of focus.

My current advisor, David Hibbett, has encouraged me to delve into subject areas that I had never really explored: plasticity and transcriptomics. It allows me to do different kinds of experimentation and learn many new techniques. I think in the end it will help me become a well-rounded researcher.

Q: What is your favorite edible mushroom, and what you like about it?
A: This is shocking, but I don’t actually like to eat fungi! I have tried many different edibles but none are very appealing to me. So I end up collecting edibles and just giving them to others.

Q: What is your favorite fungus, and what you like about it?
A: This is a hard one. Dr. McLaughlin gave me a fever for finding a red colored *Ramaria* and as of yet I have not found one in the field myself. So *Ramaria stuntzii* or *araiospora*, which are both reddish, come to mind. But there are so many beautiful fungi.

Q: Who is your mycology idol?
A: Ronald Petersen, he worked on *Ramaria* for years and produced descriptions and classifications that I rely on all the time.

Q: Do you have any pets?
A: My family has a border collie named Ivy and a cat named Bergny, both of which live with my parents. Sadly.

Q: How about plants?
A: Way too many to list!

Q: What are some of your hobbies outside of science?
A: Sewing and costuming, science fiction and fantasy movies/books/etc., video games, medieval history and weapons, murder mystery movies/books/etc.
The MSA Student Section is proud to present the newest member of the Executive Board, Post-Doctoral Representative Dr. Tanya Cheeke! Tanya has mentored over a dozen young scientists, and has contributed to many different professional organizations. As the Student Section Post-Doctoral representative, Tanya will both help mentor and advise the graduate students of the Executive Board, and shape policies and events that will promote networking and collaboration among MSA post-docs.

Tanya currently resides in Sweden, as a post-doctoral fellow at the Swedish University of Agricultural Sciences. Her biology education began with an undergraduate degree in Sustainable Agriculture from the Evergreen State College, but Tanya’s love for fungi developed while working in a soil microbiology lab. Tanya had noticed that soil from organic farms seemed to harbor more fungi than soil from conventional farms. This observation influenced her decision to earn a PhD from Portland State University, in the lab of Mitch Cruzan. Her thesis examined the effect of transgenic insect-resistant Bt maize on arbuscular mycorrhizal fungi in the soil ecosystem, and was published as a cover story in the American Journal of Botany (http://www.amjbot.org/content/99/4/700.short).

During her doctoral work, Tanya was a Visiting Scholar in the lab of Jim Bever at Indiana University. There, she learned molecular techniques and analyses useful for studying the diversity of microbial communities in soil. Tanya was thus well prepared for her current post-doc position in Sweden, where she studies the functional and taxonomic diversity of fungal communities in temperate and boreal forests. She samples forests in the USA and Sweden, hoping to better understand the role of different fungal functional groups in regulating soil C storage and release in different forest systems.

When she wasn’t spending quite so much time traveling between hemispheres, Tanya recalls being fond of swing dancing and hosting vegan dinner parties. Vegans in the US will rejoice at her imminent boost in leisure time, when she returns to the US for an NSF Postdoctoral Research Fellowship in Biology. In Jim Bever’s lab, she will integrate microbial ecology and bioinformatics to characterize the role of soil microbes in native plant establishment in disturbed ecosystems. Tanya will conduct her fieldwork in the nearby native prairies, and will test a novel method of using inoculated nurse-plants to re-establish key microbial functional groups (AM fungi) at the time of restoration. She hopes that heightened understanding of the mechanisms that both enable and promote native seedling establishment will allow researchers to increase the biodiversity and function of disturbed ecosystems.

Once her Postdoctoral Fellowship ends, Tanya will be on the hunt for an Assistant Professor position in the field of ecology. If you know of research universities that will be hiring in 2017, keep Tanya Cheeke at the top of your mental list! She has an impressive CV brimming with awards, publications, and achievements that make her an excellent candidate for jobs in academia and beyond.

Q: Who is your mycology idol?
A: Nancy Johnson

Q: What is your favorite fungus, and what do you like about it?
A: Arbuscular mycorrhizae, because they are beautiful and interesting to look at under the microscope, and yet so difficult to study.

Q: What sorts of plans do you have for the MSA Student Section?
A: I am interested in organizing a professional development workshop for the 2016 MSA meeting in Berkeley that will be geared towards preparing graduate students and postdocs for a career in science. This workshop will offer skills on a range of topics such as how to choose the ‘right’ position for you, how to prepare the job application, interviewing skills, negotiating, managing collaborations, etc. The discussion will be led by a diverse panel of experts at various stages in their career (e.g., postdocs, new assistant professors, tenured professors) with the goal of providing a forum for early career scientists to interact, ask questions, and gain skills that will enable them to be competitive for jobs in academia and beyond. A mixer where participants can network, socialize, and share additional skills will follow the workshop.

—Written by Cat Adams and Tanya Cheeke
Contribute to MSA Award Funds

Now is a good time to contribute to a Mentor Travel Fund or Research Fund so the Society can offer awards to our young investigators. Just go to the MSA website, click on MSA Business, then click on Allen Press, and you will see the byline in black that states DONATIONS. All the Mentor Travel Funds and Research Categories are listed. If you want to make a contribution by phone or mail, contact the MSA Business Office at 1-800-627-0326.

To make a Mentor Travel award this year, we would like the fund to be close to $10,500 so we can make a $500 award and still retain $10,000 in principle. The Kramer, Thiers, Trappe, Fuller/Emerson/Whisler, Butler, H. Bigelow, and Korf funds are all close to that amount. Thank you for your contributions.
Executive Vice President’s Report

Greetings! As I write this column in mid-February, parts of the Eastern and Midwestern U.S. are locked in a brutal winter, yet spring has arrived a month early in the Palouse where I live. Abstract submission is open for the 2015 annual meeting to be held in Edmonton with the Botanical Society of America and at least nine other societies. I hope to see many of you there later this year!

Council Business: Council activities have been limited since the midyear Executive Council meeting, which was held on January 12, 2015. The midyear meeting minutes and midyear reports are published in this issue of Inoculum. Five email polls were completed by Council since my January/February column:

- **Poll 2014-34** Emeritus Member request by Gaston Laflamme;
- **Poll 2014-35** Emeritus Member request by William Martin;
- **Poll 2014-36** request by Treasurer Cantrell for contract approval for IMC11 meeting planner;
- **Poll 2014-37** Emeritus Member request by Lynn Sigler;
- **Poll 2014-38** Emeritus Member request by George Carroll.

Spring Ballot: The Spring Ballot will include elections for six Council positions—Vice President, Executive Vice President, and Councilors for the four areas of expertise (Cell Biology & Physiology, Ecology & Pathology, Genetics & Molecular Biology, and Systematics & Evolution). Nominations for these positions were accepted through February 15. Also on the ballot will be two proposed bylaws changes relating to the Memorials Publication Committee, and moving to a calendar year for MSA reporting purposes.

Annual Meeting: MSA will meet with the Botanical Society of America (BSA) and 12 other societies in Edmonton, Alberta, July 25-29. Abstract submission opened February 13. For more information, see [http://2015.botanyconference.org](http://2015.botanyconference.org)

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

- **Australia**: Treena Burgess
- **Brazil**: Marcos Cunha
- **Canada**: Benjamin Auxier, Connie Gibas, Erin Morrison, Sneha Panchal, Velma Sterenberg
- **Colombia**: Jesús Castaño
- **Costa Rica**: Terry Torres Cruz
- **Germany**: Melissa Mardones Hidalgo, Pamela Rodríguez
- **Italy**: Alessandro Fellin
- **Japan**: Kazuaki Tanaka
- **Mexico**: Margarita Vellegas Ríos
- **Netherlands**: Joyce Woudenberg
- **Nigeria**: John Okhuoya
- **Saudi Arabia**: Suaad Alwakeel, Basem Jaber
- **Spain**: Ibai Olariaga Ibarguren, Eleazar Suarez Vaamonde

**2015 Membership Renewal**: Membership dues remain the same as for 2014. If you haven’t yet renewed, please consider doing so today. Your membership and donations support the activities of the society, including the research and travel awards presented to student and postdoctoral members. Please contact me with any suggestions, complaints, or feedback on the membership renewal process.

**REMINDER: MSA Directory Update**: Did you receive the email notices on the 2015 membership renewal and on the call for nominations? 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](http://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 our Association Manager at Allen Press, Taylor Hrabe ([thrabe@allenpress.com](mailto:thrabe@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 (carris@wsu.edu)
MSA Executive Vice President
Minutes of the MSA 2015 Executive Council Midyear Meeting

Lori Carris, Executive Vice President
January 12, 2015

Call to Order and Approval of Minutes
The 2015 Midyear Executive Council Meeting was called to order on Monday, January 12 at 11:12 EST via conference call, President Jean Lodge presiding. In attendance were President Jean Lodge, President-Elect Kerry O’Donnell, Vice President Georgiana May, Past President Joey Spatafora, Treasurer Sharon Cantrell and Executive Vice President Lori Carris. Invited participants were Managing Editor Cathie Aime, Executive Editors Chris Schardl, Keith Seifert, Lee Taylor, and Frances Trail, and Finance Committee Chair Lisa Castlebury. Executive Vice President Carris had emailed attendees an Executive Council packet on January 5 that included the Agenda, minutes for the 2014 Midyear EC Meeting and Annual Council Meeting (held in East Lansing, MI), updated MSA Roster, midyear reports, and copies of the MSA Constitution and Bylaws. The Treasurer's Midyear Report was sent separately on January 10.

MOTION: (approved unanimously) that the minutes from the 2014 Executive Council Midyear meeting be approved as published in Inoculum 65 (2).

Reports
President Lodge referred to her midyear report, which included sections on Mycologia, membership, endowment investments, the MSA annual meetings and IMCC (2018), and the Student Section. President Lodge thanked Executive Editors and Managing Editor for their excellent work. The following action items were identified:

• Action item: An evaluation of the impact of online only publishing will be initiated; the Journal of Evolutionary Biology, Oikos, Biotechnology Progress, Functional Ecology and Avian Biology moved to online publishing starting January 1, 2015, and the editors of these journals will be contacted.

• Action item: The feasibility of implementing automatic membership renewal will be investigated.

• Action item: A report on endowment investments will be prepared for presentation at the 2015 Annual Council Meeting.

President-Elect O’Donnell provided an update on the 2015 meeting symposia and proposed edits to the Manual of Operations as detailed in his report.

Finance Committee Chair Castlebury referred to the information provided in the Finance Committee’s midyear report, noting that it did not include December numbers. Overall, both Operating and Endowment Accounts showed a slight increase from May 31, 2014. During a January 10 phone conference, the Finance Committee, Treasurer Cantrell, and President Lodge discussed the allocation of MSA funds and agreed on a strategy to work with Wells Fargo on managing funds.

• Action item: Finance Committee will look into retaining an outside investment consultant to provide independent advice on managing MSA funds.

Executive Editors Schardl, Seifert, Taylor and Trail thanked Council for approving the new Associate Editors and noted that Associate Editors whose terms ended in 2014 will need to be replaced. The Executive Editors are looking at different publishing options, and have talked with the Canadian Phytopathological Society (CPS) about that organization’s recent move to a new publisher. They also had a demonstration of the Editorial management system Scholar One, organized after additional discussions with Canadian Scientific Publishers. The latter provides an autocorrect macro that cuts copy-editing time by 90%. Changes were made to Instructions to Authors, including for gene nomenclature and species descriptions. A recommendation was made to advertise more widely the Open Access option, which is reasonably priced compared to other journals. Barbara Howlett’s Karling Lecture will be published in 107 (3). There were 276 submissions in 2014 with an average time of 46 days from submission to response, and 62 days to final decision.

• Action item: Past President Spatafora will put together a draft proposal to be sent to prospective publishers.

Managing Editor Aime reported that copyright forms are now online, improving the ability to publish ahead of print. Turnaround time is now ~2 weeks from time of acceptance, and this is primarily for technical editing. Managing Editor Aime acknowledged Assistant Editors Mitch Donahue and Gerard Hebert for keeping the journal on track. The Executive Editors and Managing Editor thanked Council for approving a September 16, 2014 meeting that was held at Purdue University. One idea that came out of that meeting is to offer to publish papers from students who have won awards at no cost. Executive Council agreed that this is an editorial decision for which Council approval is not needed. Production costs per issue have been reduced from averaging $24,000 to $16,000 for vol. 106, by reducing inventory, decreasing print costs, and decreasing the number of pages per issue; this has been coupled with an increase in billing. Additionally, changes to page charges proposed last year by President Spatafora are in full effect.

• Action item: Managing Editor Aime will look into having a Mycologia booth at the 2015 annual meeting in Edmonton.

Executive Vice President Carris referred to her midyear report and summarized the number of annual Emeritus Member requests for the past 8 years as follows (number of requests in parentheses): 2007 (5), 2008 (6), 2009 (7), 2010 (8), 2011 (1), 2012 (4), 2013 (3), 2014 (11).

Treasurer Cantrell referred to her midyear report and commented on the cost of meeting t-shirts relative to the amount generated by t-shirt sales. A suggestion was made to pay more attention to production costs for meeting t-shirts in the future. Treasurer Cantrell noted that Mycologia will be generating income this year, and acknowledged the Managing Editor’s success in reducing production costs.

• Action item: A proposed change to MSA Bylaws Article VIII C in the annual accounting period of the Society funds to a calendar basis will go on the Spring 2015 ballot.

Discussion Items included officer nominations, role of Specific Expertise Committees, symposium funding request for the International Conference on Mycorrhiza (ICOM), and MSA website changes.

• Action item: The role of Specific Expertise Committees will be placed on the agenda for the annual Council Meeting in Edmonton.

• Action item: A proposal for ICOM symposium funding will be requested to be put before Council.

President Lodge adjourned the meeting at 1451 EST.
2015 Midyear Reports

MIDYEAR REPORT OF THE PRESIDENT

I. Mycologia

Mycologia has maintained its quality, timely publication and impact factor during the transition from a single Editor-in-Chief to a Multiple Executive Editor system. Our excellent Executive Editors are Frances Trail from Michigan State University (Cell Biology and Genetics), Chris Schardl from the University of Kentucky (Evolution and Pathology), Lee Taylor from the University of New Mexico (Ecology) and Keith Seifert from Agriculture and Agri-Foods Canada (Systematics and Taxonomy), and our Managing Editor is M. Catherine Aime from Purdue University. As noted in former President Spatafora’s 2014 final report, the vast majority of MSA members have selected the online only subscription to Mycologia rather than on-line plus additional print copy. While it is likely that Mycologia will eliminate print copies in the future, the timing is still uncertain because some of the institutional subscribers would likely drop Mycologia if it no longer produced a print version and because some of our members prefer print.

II. Membership

Despite the late start, the 2013 MSA membership numbers ended at over 1,000 last year, thanks in large part to the Program Committee letter writing campaign and an upswing in renewals associated with the MSA Annual Meeting in June. The campaign for membership renewal got off to a timely start this year in late September 2014, with monthly reminders thereafter. Despite the strong renewal campaign by our membership committee, including reminder letters for different groups, and an early-bird discount, the number of members that had renewed as of mid-December was just over 500, or about half of our membership from last year. Members who have not renewed by 31 December may find that their access to the journal via HiWire has been blocked.

As with many similar scientific societies, we are finding it increasingly difficult to retain members because so many have university access to Mycologia. Recruitment of more international members is one area where we can continue to expand our membership. I joined several past MSA presidents in donating a year’s membership to students who won presentation awards at the Latin American Mycological Congress in Medellin, Colombia in November 2014. Active advertising of our annual meetings and maintaining a price differential for registration between members and non-members is also having a significant positive effect based in the uptick in registrations coinciding with registration for the MSA meeting in June 2014. Flyers announcing the 2015-2018 MSA meetings were distributed at the IMC10 meeting in Bangkok, Thailand and the Latin American Mycological Congress in Medellin, Colombia. It is important to note that registration fees and funds raised by the auction at our annual meeting are essential for the continued support of student travel and research awards.

III. Endowment Investments

Chair Don Hemmes and members of the Endowment Committee (see report) have been especially active. They have raised enough funds so that seven of the named student travel funds have sufficient capital ($10,000 minimum) to allow for an award to be given this year. The committee targeted named funds that were near but just below the $10,000 threshold. The newest committee member, Charles (Eddie) Beard suggested an election-ticker real-time graphical display of the $10,000 threshold. The newest committee member, Charles (Eddie) Beard suggested an election-ticker real-time graphical display of the $10,000 threshold. Despite this late start, the 2013 MSA membership numbers ended at over 1,000 last year, thanks in large part to the Program Committee letter writing campaign and an upswing in renewals associated with the MSA Annual Meeting in June. The campaign for membership renewal got off to a timely start this year in late September 2014, with monthly reminders thereafter. Despite the start campaign by our membership committee, including reminder letters for different groups, and an early-bird discount, the number of members that had renewed as of mid-December was just over 500, or about half of our membership from last year. Members who have not renewed by 31 December may find that their access to the journal via HiWire has been blocked.

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V. Student Section

The MSA Student Section was successfully integrated into the MSA this year, with great leadership by chair Danny Haelewaters. The students who volunteered to serve on the various committees have contributed greatly to our society with their ideas, perspectives, enthusiasm and hard work. We have been delighted with their contributions. Our student representatives are Danny Haelewaters on both the Program and the Electronics Communications and Web Page Committees, Adriana Romero-Olivares on the International Committee, Thomas Jenkinson on the Education Committee, Terri Tobias on the Membership Committee, Samantha Lee on the Endowment Committee, Zach Schultzhaus on the Genetics and Cell Biology Specific Expertise Committee, and Cat Adams on the Phytopathology Specific Expertise Committee.

VI. Miscellaneous

Two letters were written in support of Mycology Research at Kew and in support of Dr. Paul Kirk, who just lost his position there. Paul is a talented mycologist and highly trained nomenclaturist who has played a critical role in maintaining and updating Index Fungorum.

Chair Matt Smith, and other members of the MSA Specific Expertise Committee, drafted a strong resolution in support of teaching evolution in schools, which was approved unanimously by Full Council.

Based on marginal support by the MSA Council, the Board of Mushroom Observer decided to join a different organization to help insure its long-term stability.

From discussions with a tax attorney who was advising Mushroom Observer, we learned that we need to post our tax exempt status and articles of incorporation on the MSA website.

—Jean Lodge
President

MIDYEAR REPORT OF THE PRESIDENT-ELECT

Don’t miss MSA 2015 in Edmonton, Alberta!

As an ex-officio member of the Program Committee, I am pleased for the opportunity to thank Daniel M. Durrall (Chair), Danny Haelewaters, Thorsten Lumbsch and Clark Ovrebo for exemplary service in their preparations for MSA 2015. Our annual meeting will be held July 24-30, 2015 together with the Botanical Society of America (BSA) and 11 other societies in Edmonton, Alberta (http://botany.org/conferences/). The Program Committee’s Chair, Daniel M. Durrall, met with representatives of the other societies in Edmonton, Alberta where I am pleased to announce that the following two MSA symposia were selected for inclusion in the program: “The Rise and Fall of Photosynthate: Evolution of Plant/Fungus Interactions from Paleobotanical and Phylogeonomic Perspectives” (organized by Mary Berbee, David Hibbett and Christine Strullu-Derrien) and “What can Next Generation Fungal Genome Sequencing do for you?” (organized by Tom Hsiang and Chris Hittinger). Thanks are due to the 2015 MSA Program Committee for contributing $3000 and the Chairs of the following seven Specific Expertise Committee for each contributing $500 to support these well-organized and timely symposia: Scott Baker (Genetics and Cell Biology), Clement Tsui (Environmental Health), Juliano Baltazar (Biodiversity), Daniel Lindner (Culture Collection), Robert E. Marra (Phytopathology), David Minter (Conservation), Christopher Crabtree (Ecology). For more about MSA 2015, including Workshops and the Foray, which will be held in Elk Island National Park (http://www.pc.gc.ca/eng/pn-np/ab/elskisland/index.aspx), please look for updates on the BSA website.

New and Proposed Edits to the MSA MOP

The term of MSA’s Representative to the International Mycological Association was changed in the MSA MOP from 3- to 4-years to coincide with the IMC schedule. Joseph Spatafora, our past President from Oregon State University, has agreed to be MSA’s IMA representative from 2015-2018. Fortunately this will mean that Joey will represent MSA at IMC11 in Puerto Rico in 2018. Considerable discussion followed Ronald H. Peterson’s recommendation that the Historian, a position that he currently occupies, be separate from the Memorials Editor position and duties. Meredith Blackwell graciously agreed to serve as interim chair of the Memorials Committee until the composition and rules governing this committee are resolved. Executive Vice President Lori Carris pointed out that any changes to the current bylaws must be done by member vote. The current bylaws governing this committee are as follows: “Article IV. Editors, Committees, and Representatives. H. Assignments, Ex Officio Committees: (5) Committee on Publication of Memorials. Ex officio committee consisting of Editor-in-Chief, President, and Historian.” A suggestion was made that the Memorials Committee include a Memorials Editor and current President and Executive Vice President. Therefore, once changes have been drafted, the proposed bylaws changes will be placed on the spring 2015 ballot. To provide a timely notice of deaths to the membership, the Executive Vice President will report deaths of MSA members to Allen Press and to the Editor of Inoculum, who will publish the name, date of death, and a brief biography or obituary if available in the Obituaries column. The Memorials Editor will decide, in consultation with the Memorials Committee, whether a brief biography should also be published in Mycologia. This decision will be based on research contributions, service to MSA, and/or teaching. Publication of a memorial in Mycologia is not restricted to presidents.

—Kerry O’Donnell
President-Elect

MIDYEAR REPORT OF THE EXECUTIVE VICE PRESIDENT

Summary of activities since the 2014 MSA Annual Council Meeting held June 7, 2014 in East Lansing, MI:

Annual Council and Business Meeting minutes published in November 2014 Inoculum Vol. 65 (6)

Committee appointees membership status confirmed; new officers contacted; committee chairs provided with a list a committee members and relevant section of MOP

Roster updated and submitted to Inoculum and MSA webinar

Conducted 27 email polls as follows:

2014-12—Council input on MSA social media
2014-13—Request by Lifetime member to waive print subscription charges
2014-14—Council input on dates for 2017 meeting in Athens, GA
2014-15—Council approval on MSA Statement on Teaching Evolution
2014-16—Council approval of Luis Corrochano as 2015 Karling Lecturer
2014-17—Emeritus Member status request by Michael Dykstra

Continued on following page
2014-18—Associate Editor Nominations—Methven, Miller, Bergemann, Cary, Kennedy, Fryday, Rojas Alvarado, Grunwald  
2014-19—Lifetime Member request to waive print subscription costs  
2014-20—Honorary Member request to receive remainder of Mycologia volume 106 print issues  
2014-21—Proposal for MSA to take over management of Mushroom Observer  
2014-22—Proposal to establish Wasson Award  
2014-23—Emeritus Member status request by Gro Gulden  
2014-24—2015 symposium support requests from Specific Expertise Committees  
2014-25—Approval of three year budget  
2014-26—Associate Editor Nomination—Perez  
2014-27—Discounted membership request from MSA member from Argentina  
2014-28—Discounted membership request from MSA member from Vietnam  
2014-29—Revised proposal for Mushroom Observer, LLC  
2014-30—Emeritus Member status requests by Steven Carpenter and Everett Hansen (note—Hansen was already approved in 2010)  
2014-31—Emeritus Member status request by Joanne Tonz Elzey  
2014-32—Emeritus Member status request by Andrew Methven  
2014-33—Emeritus Member status request by Pavel Lison  
2014-34—Emeritus Member status request by Gaston LaFlamme  
2014-35—Emeritus Member status request by William Martin  
2014-36—ICM11 Meeting Contract  
2014-37—Emeritus Member status request by Lynne Sigler  
2014-38—Emeritus Member status request by George Carroll  
Submitted blast email requests to Allen Press Association Manager Chris Lapine for fall ballot, membership renewal, call for nominations and awards  
Worked with President Lodge to organize agenda for Midyear Executive Council Meeting; made arrangements for conference call; contacted officers and committee chairs to submit midyear reports; compiled agenda and packet for meeting  
Responded to email and other inquiries addressed to MSA  
The death of the following members were reported:  
Arthur L. Welden (September 10, 2014)  
Ruben Duran (August 10, 2014)  
Eugene Vanev (June 26, 2014)  
Lori Carris  
Executive Vice President  

Midyear Report of the Treasurer  
MIDYEAR REPORT OF THE TREASURER  
Meeting, Awards and Symposia finances:  
MSA 2014 Annual Meeting Awards were reported in the 2014 Treasurer Annual Report. Eight (8) International Travel Awards of $500 (total allocated $4000) each were given to attend IMC 10 in Bangkok, Thailand (6 awards) and VII Latin American Mycological Congress in Medellin, Colombia (2 awards). The total cost for the 2014 MSA annual meeting at the Kellogg Center, Michigan State University, East Lansing, Michigan was $70,411.48 (Conference Center - $57,026.60, BSA - $3,235.97, MSU $650.00-foray lunches, Award Trophies - $515.58, CC Service Charge - $3,500, Guests Rooms $1,532.76, other expenses $3,831.57—t-shirts, program book, bus rental, name tags, etc). Other related expenses: $5,205 speaker’s expenses, executive council and editors travel expenses $1,090.24 and $947.06 for the print of student section t-shirt, stickers and poster. The total annual meeting expenses were $77,653.78. The annual meeting generated $87,890 (registration - $82,795, foray - $2,940, t-shirts-$1,410 (cost for t-shirts $941), reception and banquet - $745). The auction generated $7,995 for the uncommitted endowment.  

Publication finances:  
The total publication cost of Mycologia for 2014 was $193,221.42. The editorial assistant salary continues to be paid to The University of New Mexico and reflect payments of $64,405.22. The total management fee paid for 2014 to Allen Press was $38,531.17. The total incomes generated till November 2014 from Mycologia are $214,597.62 (page charges - $37,588.75, color plates - $4,800.00, back issues - $1,235.00, revision charges - $469.00, royalty or pay-per-view - $16,474.74 and subscriptions - $154,175.13).  

Table 1. Publication expenses incurred in FY2012, FY2013 and FY2014  

<table>
<thead>
<tr>
<th>Publication Expenses</th>
<th>FY 2014</th>
<th>FY 2013</th>
<th>FY 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inoculum</td>
<td>$6,288.97</td>
<td>$6,342.45</td>
<td>$6,332.29</td>
</tr>
<tr>
<td>Management fees</td>
<td>$30,531.17</td>
<td>$34,898.30</td>
<td>$36,261.78</td>
</tr>
<tr>
<td>Mycologia</td>
<td>$189,221.42</td>
<td>$289,400</td>
<td>$211,303.30</td>
</tr>
<tr>
<td>Mycologia printing</td>
<td>$97,133.70</td>
<td>$145,772</td>
<td>$115,049.95</td>
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<tr>
<td>Allen Track</td>
<td>$4,756</td>
<td>$5,713.76</td>
<td>$5,725</td>
</tr>
<tr>
<td>Online Publication</td>
<td>$64,405.22</td>
<td>$104,116.94</td>
<td>$65,331.1</td>
</tr>
<tr>
<td>Total publication costs (Inoculum, Allen Management and Mycologia)</td>
<td>$226,838.72</td>
<td>$321,631</td>
<td>$253,897.37</td>
</tr>
</tbody>
</table>

Table 2. Number of members and subscriptions and income generated from FY2005 to FY2015 up to date.  

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Members</th>
<th>Income from Subscriptions</th>
<th>Members</th>
<th>Subscriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005</td>
<td>1232</td>
<td>763</td>
<td>96277</td>
<td>156754</td>
</tr>
<tr>
<td>2006</td>
<td>1185</td>
<td>729</td>
<td>101992</td>
<td>142756</td>
</tr>
<tr>
<td>2007</td>
<td>1199</td>
<td>724</td>
<td>89971</td>
<td>170910</td>
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<tr>
<td>2008</td>
<td>1134</td>
<td>713</td>
<td>83339</td>
<td>197282</td>
</tr>
<tr>
<td>2009</td>
<td>1129</td>
<td>680</td>
<td>80834</td>
<td>213137</td>
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<tr>
<td>2010</td>
<td>1102</td>
<td>648</td>
<td>77670</td>
<td>212807</td>
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<tr>
<td>2011</td>
<td>1107</td>
<td>613</td>
<td>79058</td>
<td>203291</td>
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<tr>
<td>2012</td>
<td>1144</td>
<td>568</td>
<td>80682</td>
<td>196694</td>
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<tr>
<td>2013</td>
<td>1095</td>
<td>690</td>
<td>70330</td>
<td>180851</td>
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<tr>
<td>2014</td>
<td>1072</td>
<td>641</td>
<td>41360</td>
<td>154157</td>
</tr>
<tr>
<td>2015</td>
<td>638</td>
<td>328</td>
<td>NC</td>
<td>NC</td>
</tr>
</tbody>
</table>

Membership:  
Membership has decreased from this time last year (mid year 2014=650 vs. mid-year 2015=638) and subscriptions have decreased from this time last year (mid year 2014=364 vs. mid-year 2015=328). Membership and subscription income were calculated for FY2014 up to November 2014 since the December monthly report will be received in February. This will be provided in the treasurer’s report in July 2015 at the annual meeting.

Fig. 1 Trend in Members and subscriptions numbers from 2005 - 2015

Continued on following page
Midyear Report of the Memorials Publication Committee

1) The Memorials Publication Committee guidelines were modified after discussions with Ron Petersen, Jean Lodge, and Lori Carris.

2) The Memorials Editor (who also may be the Historian), President, and Executive Vice President comprise the Memorials Publication Committee (MPC). The Memorials Editor will serve as Chair of the Committee. The Committee is responsible for keeping the MSA updated, through notification of the Executive Vice President, of the deaths of members and, when appropriate, arranging for the drafting and publication of a memorial in *Mycologia*. The Memorials Editor should submit an annual report to the MSA Executive Vice President (along with any revisions of guidelines) and the *Inoculum* Editor one month before the annual meeting.

MSA Memorials Procedures

1) Deaths of MSA members and non-member mycologists should be reported to the Executive Vice President of the Society.

2) The Executive Vice President will report deaths to the Editor of *Inoculum*, who will publish the name and dates and a brief notice of the death in *Inoculum* in the Obituaries column. This will provide a timely notice of deaths to the members if they would like to respond to the survivors.

3) The Executive Vice President will also notify the Memorials Editor.

4) The Memorials Editor in consultation with fellow committee members, and any others deemed appropriate, e.g., Memorials Committee Members, will determine if a full memorial is appropriate, and if so, whether it will be placed in *Mycologia* or *Inoculum*. The criteria for making this decision include: length of membership in the society; service as an officer of the society; honorary membership; and Executive Vice President notification of the Memorials Publication Committee.

—Sharon A. Cantrell
MSA Treasurer

Continued on following page
The MSA affirms that scientific knowledge is based on inquiry, hypothesis generation, experimentation, and observation of the physical and natural world. Although science changes because of the discovery of new evidence or re-interpretation of old evidence, fundamental concepts are central to the study of living organisms. The Theory of Evolution is the most important unifying concept in biology. The MSA affirms that the only scientifically rigorous and strongly corroborated explanation for the origin and diversification of life on Earth is the Theory of Evolution. Although the word “theory” is sometimes used in common speech to refer to an unconfirmed idea, scientific theory refers to “a well-substantiated explanation of some aspect of the natural world, based on a body of facts that have been repeatedly confirmed through observation and experiment.” The MSA rejects alternative explanations to evolution that are based on religious beliefs, including creationism and intelligent design. Science, including the theory of evolution, is based on testable hypotheses. Members of the Mycological Society of America join our colleagues from many other scientific disciplines in officially affirming the importance of evolution for understanding biology and in the teaching of science.

1 http://nationalacademies.org/evolution/TheoryOrFact.html

Midyear Report of the Finance Committee

The total market value of the MSA Investment Portfolio with Wells Fargo Advisors as of Nov. 30, 2014, is $1,139,883.62, an increase from $1,132,206.28 on May 31, 2014. Assets in the Endowment Account are now $920,949.52 and assets in the Operating Account are currently at $218,934.10. As of May 31, 2014, the values of the two accounts were $921,470.29 and $210,735.99 respectively. The MSA portfolio is set up as two separate accounts, the Operating Account and the Endowment Account. Monies are invested in the following percentages for each account as of Nov. 30, 2014. In the Operating Account the funds are apportioned currently as 35.16% in Cash and 64.84% in Mutual Funds. For the Endowment Account the funds are distributed as 68.42% in Cash, and 31.58% in Mutual Funds. The current MSA Manual of Operations restricts funds in the Endowment Account held in mutual funds or similar investments to 30%. Estimated annual income for the Endowment Account mutual fund investments is $9,015.06 or approximately 3.1% annual yield.

—Finance Committee

Lisa A Castlebury (Chair), Jim Worrall, Georgiana May, Sharon Cantrell (Treasurer), Jean Lodge (ex officio, President)

Midyear Report of the Membership Committee

The MSA Membership Committee worked in conjunction with Allen Press at the end of 2014 to produce regular monthly announcements that encourage MSA members to renew their memberships early. Encitements mostly focused on the discounted rate for early membership renewal, as well as reminders of the practical benefits of being part of the largest scientific community of mycologists in the world. In addition to these benefits, MSA can now offer a reduced page charge to members who choose to publish their research in Mycologia. This benefit will begin in 2015.

Overall, our efforts appear to be successful. As of this report, the December numbers show we have 557 total members currently registered for 2015. This is slightly more than half of our 2014 total membership. The Regular Membership number is at 296 compared to 545 in 2014. The number of Student Members is currently lagging at 67 members compared to 187 in 2014. Regardless, by January of 2015 we anticipate the total number of registered members to increase as more current members hurry to renew before the early registration deadline.

Considering there were over 500 lapsed members as of early 2014, we appear to be ahead of last year’s renewal efforts. How the early renewal effort compares to those of previous years cannot be determined with the current memberships statistics available to officers. However, we have copies of last year’s membership and lapsed membership lists and can provide a more detailed evaluation of our efforts in the May 2015 officer report. We anticipate the beginning of 2015 to start with an evaluation the lapsed membership numbers followed by strategizing the best way to approach these individuals to encourage their continued membership with the MSA.

—MSA Membership Committee

Andrew Wilson (Chair), Suzanne Joneson, Marin Talbot Brewer, Ignazio Carbone, Terri Tobias

Midyear Report of the Nomenclature Committee

We remind MSA members that the International Code of Nomenclature for algae, fungi, and plants (ICN), is available online (http://www.iapt-taxon.org/nomen/main.php?page=title). The Nomenclatural FAQ used by Mycologia is to advise potential authors and to encourage good nomenclatural practices. The current version is available online at Mycologia’s HighWire site (http://www.mycologia.org/site/misc/FAQvers2.xhtml), and it should be current until the next International Botanical Congress in 2017. A summary article by Redhead et al. on nomenclature-related items discussed at the IMC-10 (Bangkok, August 2014) can be found in IMA Fungus volume 5 (http://www.imafungus.org/Issue/52/19.pdf).

Continued on following page
The Nomenclature Committee for Fungi has reactivated after a period of relative inactivity and the results of a number of votes on a backlog of proposals should be forthcoming.

Registration of fungal names and the presentation of identifiers in publications is now required for valid publication of new names; Fungal Names, Index Fungorum and MycoBank are recognized as official repositories.

In one instance known to the Chair of this committee, an editorial decision by an Associate Editor, or an Executive Editor of the Editorial Committee, for Mycologia required institutional identifiers for specimens (at least type specimens) deposited in herbaria. In this known case, the NY herbarium supplied unique bar code numbers to the author who requested such for specimens to be cited in the revised manuscript. Such citation of institutional identifiers is not required by the ICN.

There has been considerable activity of valid electronic publication via Index Fungorum (http://www.indexfungorum.org/names/IndexFungorumRegister.htm). Users/readers should be aware that these nomenclatural novelties are likely not peer-reviewed. Due to a shift in institutional priorities, the near future of the invaluable mycological resource that is Index Fungorum may be impacted.

We would recommend that Council suggest to the Mycologia Editorial Board for consideration that an author or authors be allowed to request suppression of their article in “Online Ahead of Print” in cases where there is a concern that a delay in valid publication of names might be problematic.

—Nomenclature Committee
Roy E. Halling (Chair), Drew Minnis, Priscila Chaverri

Midyear Report of the Research Awards Committee

The Research Awards Committee chair submitted the 2015 announcement of the awards to the Awards Coordinator, and the announcement was included in the 2014 November issue of Inoculum. Since the November issue of Inoculum, the Research Awards Committee has submitted the announcement of the new Emory Simmons Research Award to the Awards Coordinator. The Emory Simmons Research Award announcement was sent by email to the membership and will be included in the January issue of Inoculum. The committee is now ready for the 2015 award season.

—Research Awards Committee
Betty Strack (Chair), David Geiser, Peter Kennedy, Jolanta Miadlikowska, Tim James

Midyear Report of the Endowment Committee

The MSA Endowment Funds have increased dramatically over the past few months, first because of the generous bequest by Emory G. Simmons (a $70,000 research fund in his name, and a $35,000 Mentor Travel Fund in his name), and secondly through the generous contributions from many of our members. The Endowment Committee has been encouraging friends, colleagues, and former students of Mentors to contribute and raise each Mentor Travel Fund to the $10,500 level so that we can make an award in 2015 and still keep the principle at the $10,000 level. We currently have eight Travel Funds above the $10,500 level and we can make an award in 2015 and still keep the principle at the $10,000 level. From November 18, 2014 to December 11, 2014, the Mentor Travel Funds have increased from a total of $203,587 to $219,017, an increase of $15,430, not counting the $35,000 in the Emory Simmons Travel Fund. The Mentor Research Funds have increased from $261,770 to $282,050, not counting the $70,000 in the Emory Simmons Research Fund. The total restricted funds in the endowment fund totals $482,861 as of December 11, 2014.

—Endowment Committee
Don Hemmes (Chair), John Taylor, David Geiser, Charles (Eddie) Beard, Samantha Lee

Midyear Report of the Karling Annual Lecture Committee

The Karling committee considered a large slate of candidates and invited Luis Corrochano, who has accepted. Luis Corrochano is a leading international expert on light sensing in fungi, and his work focuses on both the zygomycete Phycomyces and on the model filamentous fungus Neurospora crassa. He presented a plenary talk at the Asilomar Fungal Genetics meeting in 2009 that was one of the best ever heard in that forum. His use of videos to illustrate aspects of light sensing, combined with his finely honed presentation skills from teaching at his host institution and his own state of the art research combine to make him an engaging and engaged speaker. He recently organized the European Conference on Fungal Genetics in Seville in March 2014 attended by 750+ fungal geneticists, and it was a terrific meeting. Luis is also leading the community efforts for genomics in understudied groups of fungi, interfacing with the JGI and Scott Baker at the PNNL. Luis is someone who will be new to the MSA community, and thus serve the goal of the Karling Annual Lecture of bringing someone who is a leading fungal biology luminary and also new to the community. Luis’ website is: http://personal.us.es/corrochano/lab/home.html

A new feature of the committee is the participation by a student representative Jessie Uehling, who has been terrific, and in fact advanced Luis as a candidate.

Treasurer Cantrell was requested to provide anticipated expenses for the Karling Lecture. MSA pays the lecturer’s airfare, registration and hotel, and provides a $500 honorarium. In the past 16 years, MSA has invested $30,000 in the Karling Lecture (average $2000/year). The last two lecturers declined the $500 honorarium and donated the amount to the endowment.

David Hibbett suggested that the committee should build a list of prospective speakers who could be invited in the future, and pass it down to successive committees via the Executive Vice President.

—Karling Annual Lecture Committee
Joe Heitman (Chair), Antonis Rokas, David Hibbett, Jessie Uehling

Midyear Report of the Program Committee

This year’s annual meeting will be held in Edmonton, Alberta in conjunction with the Botanical Society of America, the parent organization of MSA. Dan Durall has replaced Susan Kaminskyj as program chair and Mary Berbee will be the Local Arrangements Organizer. The program committee, consisting of Clark Ovrebo, Kerry O’Donnel, Danny Haelewaters, and Thorsten Lumbsh, approved the support of two symposia for this year’s meeting: 1) The rise and fall of photosynthetic evolution of plant/fungus interactions from paleobotanical and phylogenomic perspectives (co-supported by BSA and CBA), organized by Mary Berbee; and 2) What can next generation fungal genome sequencing do for you? (co-supported by CPS), organized by Tom Hsiang. MSA symposia numbers are limited due to the participation of so many societies in this year’s meeting; there will be a total of 28 symposia presented at the conference.

—Program Committee

Daniel Durall (Chair), Mary Berbee (Local Arrangements), Thorsten Lumbsh, Clark Ovrebo, Danny Haelewaters

Midyear Report of the Biodiversity Committee

The Biodiversity Committee is charged with developing a symposium or session on biodiversity for each annual meeting. This year the committee was not able to elaborate and submit a symposium proposal on biodiversity for the 2015 MSA–BSA meeting. Members of the committee allocated $500 in support of the 2015 symposium “The rise and fall of photosynthetic evolution of plant/fungus interactions from paleobotanical and phylogenomic perspectives”, co-organized by Mary Berbee, David Hibbett and Christine Strullu-Derrien.

Continued on following page
Joshua Kielsmeier-Cook organized and led monthly forays from July-September 2014 as an officer of the Mycology Club at the University of Minnesota. He also organized and led workshops on mushroom cultivation as part of the Mycology Club.

Joshua Kielsmeier-Cook is part of a group that is documenting new species found during the 2014 Smith Foray held at Cedar Creek Ecosystem Science Reserve (University of Minnesota). He initiated and organized an annual foray at William O’Brien state park (Minnesota) designed to capture a snapshot of Minnesota’s mycoflora. He collected fungi as part of the Blanchette lab (University of Minnesota) at Soudan Mine, Ely, MN. The collections at Soudan Mine are an attempt to identify species able to withstand the chemical extremes of the defunct Mine’s waters and identify species with potential for environmental remediation of Soudan Mine effluent.

TALKS


PUBLICATIONS


continued on following page


Biodiversity Committee

Juliano M. Baltazar (Chair), Bryn Dentinger, József Gernl, Josh Kielsmeier, Matthew E. Smith

2015 Midyear Report of the Ecology Committee

The Ecology Committee agreed to provide funds for the symposium “The Rise and Fall of Photosynthate: Evolution of Plant/Fungus Interactions from Paleobotanical and Phylogenomic Perspectives” organized by Mary Berbee, David Hibbett and Christine Strullu-Derrien, for the 2015 MSA/BSA conference.

Matias Cafaro joined the local organizing committee of the International Mycological Congress XI – San Juan, Puerto Rico 2018.

Katalin Malcolm agreed to co-author two chapters for the 4th ed. of The Fungal Community: its organization and role in the ecosystem (Eds. Dighton, White & Oudemans).

Christopher Crabtree presented “Mushrooms and Other Fungi of Missouri” at the Missouri State Capital in Jefferson City, Missouri to an audience of 93 people.

Matias Cafaro became president of the Puerto Rican Mycological Society.

Christopher Crabtree provided the article “Effects of Fire on Macrofungi in Missouri” for the Missouri Natural Areas Journal.

Matias Cafaro chaired the Symposium on basal fungi at the VIII Latin-American Mycological Congress in Medellin, Colombia.

Katalin Malcolm received the Ralph E. Good Award for Research in the New Jersey Pinelands from Rutgers University.

Matias Cafaro developed a Symbiosis course at UPR-Mayaguez.

Matias Cafaro presented ecological research on trichomycetes at local and international meetings.

Ecology Committee

Christopher Crabtree (Chair), Katalin Malcolm, Matias Cafaro, Erik Hobbie, Anthony Amend

Midyear Report of the Environmental Health & Medical Mycology Committee

In October, the members of MSA Committee on Environmental Health and Medical Mycology discussed supporting the proposed symposium on food microbiology or fungal genomics for the joint MSA and CBA meeting in Edmonton 2015. The committee decided to support financially the fungal genomics symposium. Committee chair Tsui exchanged emails with Daniel Durall to seek additional details and discuss possible topics for each of the proposed symposia.

Environmental Health and Medical Mycology Committee

Clement K. M. Tsui (Chair), Charles Bacon, Marc Orbach, Payam Fallah

Midyear Report of the Genetics and Cell Biology Committee

The Committee expressed its support for two symposia to be held at the annual meeting in 2015. One proposed symposium co-organized by Mary Berbee, (Dept. of Botany, University of British Columbia, Canada), David Hibbett (Dept. of Biology, Clark University, USA) and Christine Strullu-Derrien (The Natural History Museum, London, UK) is called “The rise and fall of photosynthate: Evolution of plant/fungus interactions from paleobotanical and phylogenomic perspectives”. This symposium is aimed at presenting research relevant to origins of fungal-plant interactions. The second symposium entitled “What can Next Generation Fungal Genome Sequencing do for you?” is sponsored by the Canadian Phytopathological Society. This symposium would introduce genomic sequencing and have speakers presenting a variety fungal sequencing projects of varied scope size.

Genetics and Cell Biology Committee

Scott Baker (Chair), Li-Jun Ma, Randy Berka, Kathryn Bushley, Zach Schultzhaus

Phytopathology Committee

Robert Marra (Chair), Gretchen Kulda, Barry Pryor, Martin Chilvers, Cat Adams

Midyear Report of the Phytopathology Committee

The MSA Phytopathology Specific Expertise Committee voted to allocate $500 in support of the symposium titled “The rise and fall of photosynthate: Evolution of plant/fungus interactions from paleobotanical and phylogenomic perspectives”, proposed for the 2015 meeting in Edmonton, pending selection by the joint society organizing committee for inclusion in the 2015 program, and approval of the allocation by MSA Council.

Midyear Report of the Student Section

Part 1: June 2014 – December 2014

1.1 Elections

a) Elections were conducted in May-June 2014 by student member-wide vote. The following positions were filled:

Chair: Danny Haelewaters
Vice-Chair: Jessie Uehling
Secretary: Klara Scharnagl
Treasurer: Samantha Lee
Communication Chair: Cat Adams
Past-Chair: Mia Maltz

b) The following positions were newly created and appointed:

Webmaster: Chris Smyth (appointed)
Postdoctoral representative: Tanya Cheek (appointed, December 2014)

1.2 MSA_SS Outreach

a) Website

The website (www.msafungi.org/MSAstudent) was updated with information relevant to MSA students by Webmaster, Chris Smyth. New features include the Student Spotlights (focusing on undergraduate and graduate students and postdoctoral researchers) and a page with electronic resources for students (blogs, interesting websites, and professional sites). The latter is still under construction.

The goals of the “Student Spotlights” are to give students & postdoctoral researchers an opportunity to broadcast their research on a non-peer reviewed platform, with a possible follow-up in Inoculum or FUNGI Magazine, in liaison with respective editors-in-chief Julia Kerrigan and Britt Bunyard.

b) Social media

The Student Section hit a milestone on Facebook: On November 5th, 2014, the MSA Student Section Facebook page had over one thousand likes. The Student Section Executive Board is grateful for the leadership of those who started the Student Section (Leonora Bittleston, Sydney Glassman, Thomas Jenkinson, Mia Maltz, Kolea Zimmerman, and Naupaka Zimmerman) and most recently the efforts of Cat Adams, Communication Chair 2014-2015, who is consistently updating the page with interesting papers, fun facts, and photos.

The Student Section started using the hashtag #2014MSA for tweets about the Annual Meeting in East Lansing. This was well followed, resulting in approximately 150 tweets using #2014MSA by students, professors, but also the Western Illinois University, and the Canadian Field-Naturalist. For the upcoming 2015 MSA/BSA Joint

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Inoculum 66(2), March 2015 15
Meeting, in Edmonton, Canada, we hope to repeat this momentum, by using hashtags #botany2015 and #MSA2015. The #botany2015 hashtag was chosen in consultation with Jon Giddens and Angela McDonnell, student representatives for BSA. Hashtag #MSA2015 was selected by the MSA Student Section Executive Board to focus on mycology-related items before and at the meeting in Edmonton.

As of December 13, the MSA Student Section page has 1,321 likes, the Twitter account (@MSAStudents) has 271 followers, and the LinkedIn group reaches 103 group members.

c) Newsletters

Since June 2014, three Newsletters were sent to MSA students. The first Newsletter was only sent to MSA students registered for the Annual Meeting, and contained information about the activities of the Section in East Lansing. The July Newsletter called for student candidates to serve on MSA Committees, raised attention to the Student Section Skill Share Database, and informed about Student Section presence at IMC10 in Bangkok. The Fall Newsletter was sent to MSA students and postdocs with the first Student Spotlights (Tristan Wang, Roo Vandegrift) and updates on the Skill Share and the tee shirt design competition.

d) Presence in Inoculum

The Student Section has consistently endeavored to contribute to Inoculum, MSA’s bimonthly magazine. Cat Adams wrote “The MSA Student Section at IMC10” for Inoculum 65 (5). The two-piece “Celebrity Interviews” [Inoculum 65 (5) and 65 (6)] was initiated and written by Adams, and fine-tuned and approved by the Executive Board. Additionally, in Inoculum 65 (6), two Student Spotlights were published, written by the students themselves and reviewed by the Executive Board.

e) Postdoctoral representative

Tanya Cheeke, currently postdoctoral scholar in Upssala, Sweden, expressed interest in a “leadership position within the MSA student group as a postdoctoral representative” in June 2014. She was formally appointed Postdoctoral Representative 2014-2015 in December 2014.

The Executive Board proposed a formal description for this new position, to be approved by member-wide vote as one of the amendments to the Bylaws: “A postdoctoral representative shall serve on the Executive Board of the MSA Student Section as liaison between MSA postdocs and the Student Section Board. The postdoctoral representative’s role will include discussing potential ways to engage the MSA postdoctoral community, and mailing all registered postdocs from the MSA roster to solicit ideas or feedback on potential programs and activities. Additionally, the postdoctoral representative will communicate with faculty to encourage more postdocs to become members of MSA, and remind them that postdoc members pay reduced rates. Lastly the postdoctoral representative shall be invited for Hangout meetings as well as for the yearly Board Meeting at the MSA Annual Meeting, and shall participate as needed.”

1.3 MSA_SS in East Lansing - Merchandise

a) Tee shirts

The Student Section sold tee shirts at registration and at the Student Mixer. 80% of the 2014 order from C.C. Creations (College Station, TX) was sold. Leftovers, 15 shirts only, are kept with Klara Scharnagl, Mixer. 80% of the 2014 order from C.C. Creations (College Station, a) Tee shirts

b) Stickers

Stickers with the MSA_SS logo and spore print stickers were sold at registration and throughout the meeting. The Executive Board decided in December to give away stickers with the MSA_SS logo for free in the future.

1.4 MSA_SS in East Lansing - Events

a) MSA Student Mixer

The Student Mixer was held at the East Patio of the Kellogg Center with catering and drinks paid for by MSA.

b) Board Meeting

The Student Section’s second formal Board Meeting was held June 10th 2014, during lunch. All MSA students were invited to join. During this Board Meeting, the following items were discussed: history of the Section, updates (MSA_SS symposium, funds, Webmaster & website), action items for 2014-2015, and ideas/input from the students. The Student Section requested that MSA Council (1) explores the possibility to organize the MSA_SS Board Meeting on the day of registration and (2) includes this event in the official program, since not all students knew about the location and exact timing of this year’s Board Meeting.

c) Student Section Symposium Fungal Functional Traits in a Changing World

The Student Section organized the symposium “Fungal Functional Traits in a Changing World”, with speakers Sara Branco, Thomas Crowther, Joshua Herr, Roger Koide, Mia Maltz, and Nathan Wilson; moderator was Danny Haelewaters. Funding was sought and obtained from MSA and Plant and Soil (Springer).

The Student Section had organized an online poll to decide on topics, sub-topics, and speakers, which led to seven topics. Four well-developed topics were selected by the Executive Board and a second (online) ballot was organized to choose the final topic. The results of the poll were Fungal Traits (43%), Fungal Interactions with Other Organisms (33%), Poisonous Fungi (14%), and Fungi and Global Change (10%).

d) Student Section Poster

The MSA Student Section had a poster entitled “Fungal functional traits in a changing world”, a symposium presented by the Mycological Society of America’s Student Section. In addition to information about the symposium, the Student Section’s history, goals, and events were presented.

1.5 MSA_SS at IMC10 (Bangkok, Thailand)

Board Members Cat Adams and Jessie Uehling represented the Student Section during IMC10 in Bangkok, Thailand. A general poster, “The Mycological Society of America Student Section” was made, with general information about the Section. The poster was designed to be reused at other events/meetings. During the IMC10 meeting, the decision was made to give away MSA_SS stickers for free in an attempt to publicize internationally and network with other students interested in starting student sections of their home countries’ mycological societies.

1.6 MSA Committees

As per 2014-2015, students are eligible to join MSA Committees. The Student Section Chair is responsible to propose potential MSA Committee student representatives to the President-Elect, who may agree to appoint a student or postdoctoral researcher for a one-year term on a rotating committee. The MSA Student Section Chair will be strongly encouraged to serve as the student representative on the Program Committee, whereas the Vice-Chair will be strongly encouraged to serve as representative on any of the other Rotating Committees.

Twelve students were appointed by D. Jean Lodge as representatives in thirteen MSA Committees (table below) for academic year 2014-2015.

<table>
<thead>
<tr>
<th>MSA Committee</th>
<th>2014-2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Education</td>
<td>Thomas Jenkinson</td>
</tr>
<tr>
<td>Electronic Communication &amp; Web Page Management</td>
<td>Danny Haelewaters</td>
</tr>
<tr>
<td>International</td>
<td>Adriana Romero</td>
</tr>
<tr>
<td>Membership</td>
<td>Terri Tobias</td>
</tr>
<tr>
<td>Endowment</td>
<td>Samantha Lee</td>
</tr>
<tr>
<td>Karlung Annual Lecture</td>
<td>Jessie Uehling</td>
</tr>
<tr>
<td>Nominations</td>
<td>Aaron David</td>
</tr>
<tr>
<td>Program</td>
<td>Danny Haelewaters</td>
</tr>
<tr>
<td>Specific Expertise: Biodiversity</td>
<td>Josh Kielemeyer-Cook</td>
</tr>
<tr>
<td>Specific Expertise: Culture Collections</td>
<td>Kristi Fenstermacher</td>
</tr>
<tr>
<td>Specific Expertise: Ecology</td>
<td>Katalin (Katie) Malcolm</td>
</tr>
<tr>
<td>Specific Expertise: Genetics &amp; Cell Biology</td>
<td>Zachary (Zach) Schultzhaus</td>
</tr>
<tr>
<td>Specific Expertise: Phytopathology</td>
<td>Catharine (Cal) Adams</td>
</tr>
</tbody>
</table>

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Part 2: MSA_SS 2015

2.1 MSA_SS at Botany 2015, Edmonton (Canada)

The MSA Student Section is in contact with BSA student representatives Jon Giddens and Angela McDonnell, and Johanne Stogran, Director of Conferences at BSA for organizing events, inclusion of MSA_SS events in the program booklet, and publicizing events.

The Section will organize its third formal Board Meeting and present a poster at Botany 2015. As BSA staff organizes the Student Social, which will be open to all student attendees, the MSA Student Section will not plan its own mixer. The Student Social will be held at a local venue and will serve finger foods and drinks. Students will have to indicate during online registration whether they want to attend. In the past, the cost has been $5/student.

In the interest of promoting sustainability, the Student Section has decided to change printing companies for its tee shirts. Tee shirts sold in Edmonton will include leftovers from the previous batches as well as the newly ordered shirts.

2.2 MSA Council business

The Student Section’s Executive Board unanimously approved the proposal to remove the Non-Executive Board from the Bylaws, as during the last few years this Board was non-existent, while the description was vague and unclear to current Executive Board members.

The Student Section is in the process of making amendments to its Bylaws. Once the amended Bylaws have been approved by member vote, the revised Bylaws will be sent to MSA Council for approval. Amendments focus on (1) more detailed function descriptions, (2) addition of the functions of Webmaster and Postdoctoral Representative (with function description), (3) removal of Article 12 (Non-Executive Board), and (4) editing Article 19 (Amendments) to be more in line with the MSA Constitution.

Part 3: Suggestions for the future

Postdoctoral Representative Tanya Cheeke suggested an Early Career Professional & Postdocs Workshop at the Annual Meeting. After deliberation we decided to move this forward to the Annual Meeting of 2016 in Berkeley, CA.

—Student Section

Danny Haelewaters (Chair), Jessie Uehling (Vice Chair), Klara Scharnagl (Secretary), Samantha Lee (Treasurer), Cat Adams (Communications Chair), Chris Smyth (Webmaster), Tanya Cheeke (Postdoctoral Representative), Mia Maltz (Past Chair)

MYCOLOGICAL NEWS

Introduction to Food- and Air-Borne Fungi

Introduction to Food- and Air-Borne Fungi. 15-19 June 2015, Ottawa, Canada. We are pleased to offer our five day course for mycologists interested in food spoilage, indoor air quality, industrial hygiene, mycotoxins, pharmaceuticals, biodeterioration, etc. in North America. More than 100 mould and yeast species common in indoor air and on food will be examined, including important species of Penicillium, Aspergillus, Fusarium Trichoderma, Cladosporium, Mucor, Rhizopus, Alternaria and Scopulariopsis. The text for the course is the recently published Food and Indoor Fungi by R.A. Samson et al., now in full colour. The course fee is CDN $1800. For more information please contact Keith A. Seifert, Eastern Cereal and Oilseed Research Centre, Ottawa, Ontario K1A 0C6, Canada. Email: keith.seifert@agr.gc.ca or visit the course web site at www.indoormold.org/index.php/text-new-courses.

Bizarre Things About Fungi

Check out this BBC Earth article, written by MSA member and Student Section Communication Chair Cat Adams. http://www.bbc.com/earth/story/20150202-six-bizarre-things-about-fungi

REMINDER: 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.
**Fungi In The News**

**In case you missed it, some articles about fungi....**

Dinos high on LSD? Amber fossil links earliest grasses, dinosaurs, and fungus used to produce LSD

“A perfectly preserved amber fossil from Myanmar has been found that provides evidence of the earliest grass specimen ever discovered — about 100 million years old — and even then it was topped by a fungus similar to ergot, a hallucinogen which for eons has been intertwined with animals and humans. Among other things, it gave us the psychedelic drug LSD.”


Deadly frog fungus dates back to 1880s, studies find

“A pair of studies show that the deadly fungus *Batrachochytrium dendrobatidis*, responsible for the extinction of more than 200 amphibian species worldwide, has coexisted harmlessly with animals in Illinois and Korea for more than a century. The research will help biologists better understand the disease caused by Bd, chytridiomycosis, and the conditions under which it can be survived.”

From http://www.sciencedaily.com/releases/2015/03/150304152605.htm

Read the original articles here:


DOI: 10.1016/j.biocon.2014.12.007


DOI: 10.1371/journal.pone.0115656

Chocolate too bitter? Swap sugar for mushrooms

“An upstart U.S. food technology company has developed a unique fermentation process using mushrooms to reduce bitterness in cocoa beans that it believes will cut sugar content in chocolate candy.”

From http://www.reuters.com/article/2014/07/21/us-cocoa-chocolate-research-idUSKBN0FQ26I20140721

**Mycological Classifieds**

**Lepiota samples needed**

We are looking for samples of any Lepiota species, from anywhere in the world, that make alpha-amanitin. We need just a few grams (dry weight) to analyze the toxins and extract their DNA for genome sequencing.

Our basic research goal, funded by NIH, is to elucidate the pathway of amanitin biosynthesis. We have identified the biosynthetic genes in *Galerina* and *Amanita bisporigera* and *A. phalloides*, and Lepiota could provide a third avenue to approach this question.

Known amanitin-producing species of *Lepiota* include *L. brunneoincarnata*, *L. castanea*, *L. brunneollacea*, *L. subincarnata*, *L. helveola*, and *L. josserandii*. They can be difficult to distinguish from nonproducers, but we are willing to test any probable candidates that we receive. The samples should be fresh or dried gently.


I am glad to supply a FedEx shipping number to anyone who has samples to send. Thank you,

—Jonathan Walton

Professor of Plant Biology

DOE-Plant Research Laboratory

612 Wilson Road Room 210

Michigan State University

E. Lansing, MI 48824 USA

phone: 517-353-4885

email: walton@msu.edu

Walton web page: http://waltonlab.prl.msu.edu/
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.

Fifth Kingdom

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. The book “The Outer Spores - mushrooms of Haida Gwaii” is also available. Check details at: www.mycolog.com

MYCOLOGIST’S BOOKSHELF

We have two reviews for this Bookshelf installment. Also, a couple of new books on our list, as well as a few books that are still in need of reviewers. If you are interested in reviewing a book, contact me (robert.marra@ct.gov) and I will have the book “drop-shipped” directly from the publisher; this will streamline the process at my end and will save our Society from racking up considerable shipping expenses. A book goes to the first person requesting it, and I ask that you get your reviews to me in a reasonably timely manner. We also have more than a few books that have been out with reviewers for some time, but for which we are still waiting for reviews. If you are among those who have had a review copy for an extended period of time – you know who you are! – please contact me so that we may discuss a reasonable timeframe for completion of the review.

Also, if you know of a newly published book that might be of interest to mycologists, please let me know so I can request it from the publisher.

—Bob Marra

Books in Need of Reviewers


**New this issue
Books with Reviewers Assigned


Inoculum 66(2), March 2015
Rosellinia – a world monograph


Liliane Petrini’s Rosellinia – a world monograph is a masterful piece of work, representing a lifetime of study of this fascinating genus. I have been working with fungi in the Xylariaceae for four years now, and have become intimately familiar with the available literature in the group; this book is a much-needed step forward in xylariaceous taxonomy.

The first thing anyone will notice flipping through this monograph is the number of taxa represented by few, or even single, collections. Liliane takes a very narrow species concept, I think justifiably, preferring to acknowledge differences over potentially incorrect lumping. In the introduction, she says simply: “I decided to adopt a narrow species concept to describe as many morphological differences as possible between taxa, to be verified in the future by phylogenetic studies.” Jack Rogers also addresses this in his Preface to the monograph, noting the great paucity of collections (and collectors) of such fungi, and the compounding effects of ecological traits such as rare fruiting and endophytic lifestyles.

This work details 142 species, including 37 newly described species, and one new combination. The bulk of the book is taken up by clear and concise species descriptions and excellent illustrations. I cannot overstate the quality of the illustrations provided: Liliane has gone above and beyond in her creation of fine photographs and micrographs for this work. She also provides excellent dichotomous keys, including a key to similar genera, a key to morphological groups in the genus Rosellinia, and keys to species within each group, as well as a synoptic key to species.

I wanted to test out these keys thoroughly before writing this review. To give the keys a full workout, I went to the herbarium at Oregon State University and borrowed several dozen Rosellinia collections, mostly collected by one of my mentors, Dr. George C. Carroll, and mostly unidentified on the packets. I found, conveniently, that many of these collections were also borrowed by Liliane Petrini and used in the writing of this book. I am pleased to report that nearly everything keyed beautifully, and when I perused the list of specimens examined, I nearly always found the herbarium number for the packet in hand. This included one of those species known from just a single collection, R. carrollii LE Pet., named in honor of its collector. The herbarium had not updated its labels, so I did not know what I was keying until I got to the end of the key and found the specimen number listed. In general, I think it would be impossible to write clearer keys, or to provide more detailed and informative species descriptions and illustrations.

Working with material that Liliane had not borrowed, however, it quickly became apparent that there is a reason so many taxa are represented by so few collections. Such material often turned out to be extremely common species (R. subiculata, or R. aquila, for example), or else not treated. Given that this work represents as fair a stab at the sum total of knowledge about the genus as is possible, “not treated” in this case likely means “an undescribed species.” Given the rarity and under-collected nature of these fungi, I am not surprised by this; I am, however, encouraged to seek out and collect Rosellinia. In many ways, I interpret this book as a call to action: it would be a waste of the hard work and dedication that Liliane has put into this treatment to not build upon its foundations.

Liliane’s excellent book is essential to anyone interested in the Xylariaceae, and will be of great interest to those interested in small pyrenomycetes in general. The figures and keys are invaluable resources for identification of Rosellinia, and outstrip anything that has come before in quality, clarity, and comprehensiveness. But, despite that comprehensiveness and the great effort that can be seen in this treatment, this book must be seen as a starting point: it is obvious from even a cursory reading that our understanding of Rosellinia is far from complete. Liliane has taken all of the threads of scientific discourse that center around the genus—and her own long years of hard work extending those threads—and woven them into a comprehensive tapestry, from which new threads of discourse must grow. I believe this ambitious work will find a place in mycological history, not as the end of a long history of study, but as a beginning.

—Roo Vandegrift
Institute of Ecology and Evolution
University of Oregon
Eugene, OR 97403
awv@uoregon.edu
Mushrooms of the Midwest


This exceptionally well-structured text should be part of every amateur and professional mycologist’s bookshelf. A book this comprehensive, focused exclusively on the identification of fungi encountered in the Midwestern United States, has been long overdue, and Kuo and Methven did not disappoint.

The book begins with a brief introduction to mycology and the importance of amateurs in furthering our understanding of mycological science given the academic shift from traditional morphological taxonomy to molecular studies. A helpful addition to the introductory portion of this text is a listing of Midwestern mushroom clubs as well as suggested mushroom hunting sites from each state included in this book’s definition of “Midwest.”

An essential section of every mushroom identification text is a key and the one included in this text is well written and easy to follow. The real meat of this book and most contemporary mushroom guides are the descriptions and images of the fungi. While there are few mushroom identification books that have this section organized in the same manner, the authors give a brief explanation of how they chose to structure their book; alphabetically by genus and species. Mycologists in the morphological identification camp and those in the molecular identification camp may cry foul for not arranging by taxonomic grouping above genus, but the author’s explanation for this arrangement is spot-on. Contemporary studies are constantly changing the taxonomic placement of these fungi and it may have even changed between the final edited copy and the first printing! Have no fear about the future movement of species to other genera; the book has each species listed by both genus and species epithet in the index.

The images of each of the described fungi are phenom-enal and often show multiple angles of the fruit body as well as its natural habit. In addition to high quality color images, many of the species have additional images of surface chemical reactions (e.g. KOH), spore prints, or other characteristics important for identification.

While some Midwestern mycologists may find that this book is missing some common fungi they see in the parks and forests they frequent, the author’s own words are probably the best response to the complaint – “such a guide is probably not even possible”. Kuo and Methven have produced a guide that is not only a useful reference for mushroom identification, but also an educational introduction to basic mycology that is worth every penny of the retail price.

—James J. Jacobs
USDA Forest Service, Forest Health Protection
Albuquerque, NM 87102
jamesjjacobs@fs.fed.us

MYCOLOGICAL JOBS

Postdoc: Fungal Evolutionary Genomics

A postdoctoral research position in fungal evolutionary genomics is available in the lab of Prof. Imke Schmitt at the Senckenberg Biodiversity and Climate Research Centre and Goethe University Frankfurt. The successful candidate will investigate genomic evolutionary processes in fungal communities, species or populations as a response to environmental factors. He or she will be involved in projects related to the study of environmental adaptation in fungal communities and/or lichen-symbiotic fungi.

The applicant should hold a Ph.D. in evolutionary or computational biology, genetics, mycology, ecology or a related field. The ideal candidate has a biological training, background in bioinformatics with skills in programming (scripts and analysis pipelines), next generation sequence analysis, genome assembly and annotation. Competitive candidates will have a strong record of prior publication, preferably in genome scale data analysis (including comparative genomics, population genomics, metagenomics/metabarcoding or molecular evolution), and speak fluent English.

My lab and the entire institute provide a very supportive atmosphere. The broader research environment at Senckenberg and Goethe University offers postdoctoral fellows chances for collaboration with experts in fields ranging from molecular ecology and evolution, phylogenetics, to macroecology and climate change biology (modeling and statistics). Attractive computing infrastructure is available (high-RAM computers, clouds, and clusters). Frankfurt, a vibrant city in the center of Germany, provides ample cultural and recreational opportunities and excellent infrastructure for travel. We offer a competitive salary (TV-H E 13 according to the German public service pay scale), full benefits, and training

Continued on following page
opportunities. The position is available for three years starting May 1st 2015.

Please send your application before March, 15th 2015 preferably by e-mail (attachment in a single pdf document), mentioning the reference of this position (Ref. #8.3) and including a cover letter detailing research interests and experience, a C.V., a copy of your PhD certificate, and a list of three professional references. Please be sure to highlight skills and experience related to genome assembly, statistics, bioinformatics, or programming and send your application to the address below

Prof. Dr. Katrin Böhning-Gaese
c/o Senckenberg Gesellschaft für Naturforschung
Senckenberganlage 25
60325 Frankfurt
E-Mail: recruiting@senckenberg.de

Informal enquiries to Imke Schmitt (imke.schmitt@senckenberg.de) before the application are welcome.

Technician: Evolutionary Bioinformatics

A position in evolutionary bioinformatics is available in the lab of Prof. Imke Schmitt at the Senckenberg Biodiversity and Climate Research Centre and Goethe University Frankfurt. The successful candidate will support ongoing projects on the evolution and adaptation of lichen-forming fungi and fungal communities by assisting with next generation sequencing data analysis. Depending on the candidate’s preferences, he/she can also develop his/her own projects. We are looking for applicants with a Bachelor (or similar degree) in biology or computational biology, and expertise in de novo genome assembly, genome annotation, or metabarcoding. Experiences with python, perl, bash, or R are necessary; knowledge of unix, parallelization on clusters and massive RAM computers is advantageous. Additional tasks will be supporting the lab members in computer administration, data archiving, and data organization. The ideal candidate works well in a team, is highly motivated to work independently, communicates well, and speaks fluent English.

My lab and the entire institute provide a very supportive atmosphere. The broader research environment at Senckenberg and Goethe University offers chances for collaboration with experts in fields ranging from molecular ecology and evolution, phylogenetics, to macroecology and climate change biology (modeling and statistics). Attractive computing infrastructure is available (high-RAM computers, clouds, and clusters). Frankfurt, a vibrant city in the center of Germany, provides ample cultural and recreational opportunities and excellent infrastructure for travel.

Salary will be TV-H E11, according to the German public service pay scale. We offer full benefits, and training opportunities. The position is available from April 1st 2015, with a flexible start date. The initial contract will be for two years, but it can be extended indefinitely.

To apply, please send a cover letter detailing research interests and experience, a C.V., a copy of your bachelor certificate, and a list of two professional references.

Please send your application before February, 28th 2015 preferably by e-mail (attachment in a single pdf document), mentioning the reference of this position (Ref. #8.2) and including a cover letter detailing research interests and experience, a C.V., a copy of your PhD certificate, and a list of three professional references. Please be sure to highlight skills and experience related to genome assembly, statistics, bioinformatics, or programming and send your application to the address below

Prof. Dr. Katrin Böhning-Gaese
c/o Senckenberg Gesellschaft für Naturforschung
Senckenberganlage 25
60325 Frankfurt
E-Mail: recruiting@senckenberg.de

Informal inquiries to Imke Schmitt (imke.schmitt@senckenberg.de), before the application are welcome.
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

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 DGIM
www.dfgm-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)
nr.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 (58-4)
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 Species 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 (59-3).
www.cybertruffle.org.uk/valhalla

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

Wild Mushrooms From Tokyo
www.ne.jp/asahi/mushroom/tokyo/
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.

March 17-22, 2015
The 28th Fungal Genetics Conference
Asilomar, California
http://www.genetics-gsa.org/fungal/2015/

March 23, 2015
Fungal genomics workshop
Walnut Creek, California
http://usermeeting.jgi.doe.gov/

March 24-26, 2015
The 10th Annual DOE Joint Genome Institute User Meeting
Genomics of Energy & Environment Meeting
Walnut Creek, California
http://usermeeting.jgi.doe.gov/

April 10-12, 2015
Mid-Atlantic States Mycology Conference and morel foray
Duke University, Durham, North Carolina
http://sites.duke.edu/masmc2015/

April 22-24 2015
The Second International Workshop on Ascomycete Systematics
Trippenhuis, Royal Netherlands Academy of Arts and Sciences, Amsterdam
http://www.cbs.knaw.nl/
More information in this issue

May 18-21, 2015
CROPS – Genomics Enabled Crop Breeding and Improvement
Hudson Alpha Institue for Biotechnology and the University of Georgia
Huntsville, Alabama
http://hudsonalpha.org/crops/

May 30-Jun2 2, 2015
American Society for Microbiology 2015 General Meeting
New Orleans, Louisiana
http://gm.asm.org/

June 16-17, 2015
Arnold Arboretum of Harvard University,
Boston, Massachusetts
http://newphytologist.org/symposiums/view/37

June 24-30, 2015
Mycological Society of America and the Botanical Society of America joint meeting
Edmonton, Alberta, Canada

July 1-5, 2015
American Phytopathological Society annual meeting
Pasadena, California

August 3-7, 2015
Eighth International Conference of Mycorrhiza (ICOM8)
Flagstaff, Arizona
http://nau.edu/Merriam-Powell/ICOM8/

August 24-27, 2015
International Plant Protection Congress
Berlin, Germany
http://www.ippc2015.de/

September 21-25, 2015
XVII Congress of European Mycologists
Madeira, Portugal
http://www.euromould.org/

October 7-10, 2015
Asian Mycological Congress 2015
Goa University, Goa, India
http://www.amc2015goa.com/

November 29-December 1, 2015
36th New Phytologist Symposium: Cell biology at the plant-microbe interface.
Eden Hotel Wolff, Munich, Germany
http://newphytologist.org/symposiums/view/38

June 2016 (dates TBD)
Cellular & Molecular Fungal Biology,
Gordon Research Conference
Holderness School, Holderness, New Hampshire

July 30-August 3, 2016
American Phytopathological Society annual meeting
Tampa, Florida

2016 (dates TBD)
Brazilian Mycological Congress,
Congresso Brasileiro de Micologia
Universidade Federal de Santa Catarina
Florianópolis, Santa Catarina, Brazil
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