

Newsletter of the Mycological Society of America

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Early Registration for the MSA 2012 Annual Meeting, Yale University, New Haven, CT

March 15

Abstract submission deadline for MSA 2012 Annual Meeting

June 30

Last day for late registration for the MSA 2012 Annual Meeting

March 15

Deadline for submission to *Inoculum* 63(2)

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Mycological Herbarium at N.C. State University Renamed

The mycological herbarium at North Carolina State University was recently renamed in honor of **Larry F. Grand**, professor and long-time curator of the herbarium in the Department of Plant Pathology. The Dr. Larry F. Grand Mycological Herbarium Dedication and Symposium was held November 3 in Raleigh. Symposium speakers included former alumni and internationally-recognized mycologists. Alumni speakers included **Deborah R. Fravel**, USDA National Program Leader, Plant Health, Beltsville, MD who spoke on 'Ug99 stem rust of wheat: An international solution for a global problem;' **D. Jean Lodge**, USDA-Forest Service, Northern Research Station Luquillo, Puerto Rico, who spoke on 'Hygrophoraceae of the Great Smoky Mountain National Park - How many have missapplied European names?'; and **Lee Miller**, Extension Turfgrass Pathologist, University of Missouri, Columbia, MO who spoke on "'Show Me" The importance of mycological herbaria in guiding future discovery.' **Amy Y. Rossman**, Systematic Mycology & Microbiology Lab, Beltsville, MD spoke

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Dr. Larry F. Grand (center) with the Larry F. Grand Mycological Herbarium Symposium speakers and organizers (left to right) Marc Cubeta, Amy Rossman, Deborah Fravel, Grand, Jean Lodge, David Hibbett, Lee Miller, and James Moyer, Department Head (photo Becky Kirkland, NC State Communications Services).

on 'The ideal herbarium in a perfect world of science: What would this look like?' The keynote address entitled 'Diversity and evolution of the wood decay apparatus in saprotrophic Agaricomycotina - How mushrooms changed the world,' was given by **David S. Hibbett**, Warren Litsky '45 Endowed Chair Professor, Department of Biology, Clark University, Worcester, MA. An evening reception at the North Carolina Museum of Science was attended by colleagues, friends, and family of Dr. Grand. The symposium and dedication were co-chaired and hosted by **Marc A. Cubeta**, professor, Department of Plant Pathology and **Catherine J. Maxwell**, Director of Development, NC Agricultural & Life Sci-

ences Research Foundation. Organizing committee members were **Heather Hartzog** and **Betsy Randall-Schadel**, USDA APHIS PPQ CPHST, Raleigh; and **Jane Dove Long**, **James W. Moyer**, and **Turner B. Sutton**, Department of Plant Pathology. To make a gift to the Larry F. Grand Mycological Herbarium in support of undergraduate research in mycology, please contact C. J. Maxwell, catherine_maxwell@ncsu.edu.

Visitors are welcome in person or online <http://www.cals.ncsu.edu/plantpath/activities/labs-projects/myherb/>

—Mike Benson
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MSA BUSINESS

Secretary's Report

Hello everyone! The exciting news for this issue of *Inoculum* is that you can now find MSA as an "official" group on Facebook, thanks to our Electronic Communications and Web Page Committee! Befriend us and you will receive interesting and exciting information about MSA activities, as well as timely information on mycological research, interesting publications and wonderful photos of fungi!

If you have not been receiving emails from me (after January 3, 2012), it is because you forgot to renew your annual membership. Please do so as soon as possible or you will miss vital information about the annual election, awards and the upcoming annual meeting! Jean Lodge and the Program Committee promise us an exciting, vibrant program at Yale University in mid-July, 2012. Hope to see you there!

Council Business: There was one email poll conducted by Council that approved MSA travel support for members of the Executive Council (President, VP, Pres-Elect, Secretary and Treasurer) and the Editor-in-Chief and Managing Editor of *Mycologia* who lack institutional or grant support for travel so that they can attend the MSA annual meeting.

New Members: It is my pleasure to extend a warm welcome to new or returning members. Their membership will be formally approved at the 2012 Annual Business Meeting at Yale University.

Australia: Heike Neumeister-Kemp

Canada: Paul Anthony Soron

United Kingdom: Merlin Sheldrake

United States - Jed Cappellazzi, Robin Choudhury, Sonya Erlandson, Jade Florence, William Frerichs, Seth Kauppinen, Richard Laufenberg, Justin P Shaffer, Nathaniel Whitmore



Jessie Glaeser,
Secretary
(Photo by Tom Volk)

Reminder: Renewing your MSA membership is easier than ever! Just log in to the MSA website at <http://www.msafungi.org>. There is now an email reminder system available if you have forgotten your MSA user id or password.

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. 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, please contact our Association Manager at Allen Press, the always-helpful Kay Rose at kkrose@allenpress.com.

Please do not hesitate to contact me about MSA Business or any questions that you may have about the Society. In recent years we have suffered an alarming decline in membership and it would be wonderful to reverse this trend. The first step is for everyone who is currently a member to renew for the upcoming year. And don't forget to recommend MSA to your amateur or professional colleagues who are interested in fungi – be they pathologists, geneticists, ecologists, or people who just like to wander around in the woods. There is room in MSA for all!

Respectfully submitted,

Jessie A. Glaeser
MSA Secretary
msasec1@yahoo.com

2011 MSA Council Meeting Minutes

**August 1, 2011
The Art Gallery
University of Alaska – Fairbanks**

Call to Order and Approval of Minutes

(1) The 2011 MSA Annual council meeting was called to order by President Tom Bruns at 1300, Monday, August 1, 2011 in the Art Gallery of the University of Alaska – Fairbanks in Fairbanks, AK. Present were: President Tom Bruns; President Elect (PE) David Hibbett, Vice President (VP) Mary Berbee; Secretary Jessie Glaeser; Treasurer Marc Cubeta; Past President (PP) Rytas Vilgalys (2009 – 2010); Councilors Frances Trail, Anne Pringle, Brandon Matheny, Imke Schmitt, Jason Stajich, and Tim James. Apologies were received from Past President Roy Halling (2008-2009), Councilors Anthony Glen and Thomas Horton, and incoming Vice President Joey Spatafora. Invited guests were *Mycologia* Editor-in-Chief (EIC) Jeffrey Stone; Managing Editor (ME) Karen Snetselaar; *Inoculum* Editor Don Natvig; incoming Councilors Ning Zhang, Terry Henkel and Ignazio Carbone; and 2012 Local Arrangements organizer Erik Hobbie. Secretary Glaeser distributed hard copies of the annual meeting packet that had been supplied in electronic format to the Council and certain guests prior to the meeting. The annual meeting packet included: the meeting agenda; MSA 2011 annual reports; minutes of the 2010 Council meeting held at Lexington, KY [*Inoculum* 61(4)]; minutes of the 2011 Executive Council meeting held by teleconference [*Inoculum* 62(2)]; the MSA 2010-2011 Official Roster and a spreadsheet from PE Hibbett showing all current committee vacancies; and copies of the MSA Constitution and Bylaws (unamended). Appendices included supplemental material from President Bruns, recommendations on increasing and maintaining membership from Allen Press, a proposal from AIBS for taxonomic services, and a letter supplied by Historian Ron Petersen concerning the MSA historical archives.

Motion 1: (approved unanimously) that the minutes of the MSA 2010 Annual Council Meeting be accepted as published in *Inoculum* 61(5) 2010.

President Bruns suggested that any discussion of the Annual Council Meeting minutes or the Executive Council Meeting minutes, including updates on action items, be addressed in related Officer reports.

Officers' Reports (excluding Financial)

(2) **President's Report:** President Bruns began his report by announcing that Frances Trail has agreed to host the MSA annual meeting for 2014 in East Lansing, MI. He then went on to discuss an initiative that would establish a North American Mycoflora, as discussed in his upcoming, final *Inoculum* article [62(4)]. He has discussed this idea with Nathan Wilson, author of the *Mushroom Observer* website, and will be offering this idea as a charge to the MSA Liaison with Amateur Clubs and Societies Committee. President Bruns has approached the Sloan Foundation to discuss funding this initiative; they appear interested in funding an organizational meeting. AIBS has invited MSA to contribute a state-of-the-science article in its journal, *BioScience*, on an issue of pressing biological topics with national or international public policy implications. President Bruns proposed the establishment of a North American Mycoflora as the topic for this paper.

(3) **President Elect's Report:** PE Hibbett initially discussed the status of filling appointments for all of the MSA committees and asked for suggestions for committees that still have openings, including Endowment, Finance, and Program Committees. To facilitate tracking committee assignments, he created an Excel spreadsheet, copies of which were distributed. This spreadsheet should be considered confidential since it includes notes on who has declined committee positions - sometimes multiple times!

Action Item: Council will send suggestions for open committee appointments to PE Hibbett.

PE Hibbett introduced Local Organizer (LO) Erik Hobbie who will be assisting in organizing the 2012 MSA annual meeting at Yale University. Eric reported that arrangements are proceeding nicely and that the Yale Conference Services seem very professional and easy to work with. There is some concern about the website for the meeting; some funding may be needed for website development. It might also be possible to use the template of the 2011 website, perhaps transferring it to the MSA server. ME Hibbett and LO Hobbie may need to confer with Webmaster Kathie Hodge on website development and hosting. PE Hibbett stated that this meeting will be a good opportunity to attract local amateurs to MSA. There is time in the schedule for workshops on identification and techniques. Local amateur groups will be invited to participate in the foray, which will probably be held on the Sunday before the meeting. A one- or two-day registration fee could be made available for these activities. Council members are encouraged to contact PE Hibbett, LO Hobbie, or Program Chair Jean Lodge with ideas for the program that will attract new members to the Society. A general discussion on meeting organization followed:

- President Bruns stated that "Wines of the World" is an excellent way to get people to interact with each other but it is sometimes difficult to get approved with the venue operators or other officials. It is good to start early on getting approval so that it can be advertised properly.
- VP Berbee mentioned that there is a Council in the Pacific Northwest that comes up with workable keys. This might be a good group of people to interact with MSA to attract amateurs.
- President Bruns proposed that a generic meeting template that stays on the MSA server be created so that it didn't have to be redone every year – only the content would change. PE Hibbett suggested that developing this template might require funds in this upcoming year. President Bruns suggested getting a concrete proposal with a budget and submitting it to Council for approval.
- PP Vilgalys commented that posterboard rental is often quite expensive and needs to be checked into early. PE Hibbett stated that Program Chair Lodge is investigating alternatives but that they will probably work with Yale for posterboards. President Bruns offered that it might be possible to post electronic versions of the posters on the MSA server so that they could be accessed before the meeting.

Action Item: Councilor Stajich volunteered to be involved with website management and volunteered for the Electronic Communications committee.

PE Hibbett then discussed a proposal by AIBS to create a taxonomic and biodiversity policy office with a staff and a budget to do lobbying and public relations to promote biodiversity science. The cost of this would be divided among several scientific societies. AIBS has asked for a 3-year commitment of \$8000, although this appears to be an informal estimate of expenses. PP Vilgalys stated that this could be a very good investment if it resulted in obtaining outside funding and is attractive because MSA is not allowed to lobby directly due to its nonprofit status.

Action Item: PE Hibbett will write to AIBS as MSA President to say that MSA is very interested in participating in this program but at a cost that is more in line with the size of our society and its budget.

(4) **Vice President's Report:** VP Berbee announced the results of the annual election. Officers elected for 2011-2012 were: Joey Spatafora (Vice President), Robert Blanchette (Councilor, Cell Biology/Physiology), Ignazio Carbone (Councilor, Genetics/Molecular Biology), Ning Zhang (Councilor, Systematics/Evolution) and Terry Henkel (Councilor Ecology/Pathology). VP Berbee also noted that most MSA members do

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not realize that it is necessary to coordinate multiple nominations to get on the ballot.

Action Item: Secretary Glaeser will include information on the nominations process for the membership in the annual announcement for nominations.

(5) Secretary's Report: Secretary Glaeser referred to her written report [*Inoculum* 62(5)] on Council activities and her actions as Secretary for the past six months. Council and Secretarial activities prior to the midyear Executive Council meeting (i.e. August 2010 to February 2011) were previously summarized in the Secretary's midyear report [*Inoculum* 62(2)]. No additional topics were discussed.

Financial Reports

(6) Treasurer's Report: Treasurer Cubeta presented his report [*Inoculum* 62(5)] and also discussed reports from the Finance and Endowment Committees. The 2010 annual meeting Lexington, KY brought in \$19,235 which covered the cost of MSA expenses for 2010-2011, including sponsoring a social at the International Mycological Congress (IMC), 8 international travel awards for IMC, and assisting with travel costs for symposium speakers to the VII Latin American Mycological Congress. Costs associated with the 2011 MSA meeting in Fairbanks, AK included \$6000 for 12 mentor student travel awards and \$12,500 for nine research awards.

Publication costs are a major expense for the Society. The costs for this fiscal year were higher than normal since payment was finally made to the University of New Mexico for editorial assistance – a cost that had been deferred previously. Costs for publication of *Mycologia* and *Inoculum* are delineated in detail in the written report.

Membership and subscriptions (i.e., institutional memberships) have continued to decline, approximately 13 and 15%, respectively, since 2007. Allen Press provided a webinar to several MSA officers with ideas to address this problem.

Endowment finances are summarized in the written report. The S. Bartnicki-Garcia Research Fund reached \$10,000 this year. The amount in the endowment funds is a factor in determining how much money is awarded each year; some funds no longer receive contributions.

In FY2011, a not-for-profit organization liability policy and fidelity bond insurance was purchased for MSA.

President Bruns thanked Treasurer Cubeta for doing an outstanding job as Treasurer, one of the most difficult offices in the Society, and pointed out the need for liability insurance and bonding which had been previously neglected.

Action Item: Secretary Glaeser will work with Treasurer Cubeta to include information on liability insurance and bonding in the MOP.

Treasurer Cubeta commented that next year he will be on sabbatical in Sweden and will not be able to attend the 2012 meeting so alternative procedures will be needed for collecting money at the auction and for dealing with other financial obligations. There is a possibility that he might be able to join into the Executive Council and Council meetings by Skype. ME Snetselaar suggested getting an additional officer put on the checking account – perhaps someone from the endowment or finance committee.

Action Item: Treasurer Cubeta will make alternative arrangements before leaving for sabbatical so that MSA financial obligations can be met in a timely fashion.

A short discussion ensued on the amount of discretionary funding that is available during the year. Treasurer Cubeta urged caution in committing to recurring costs due to the poor economic times and low returns from investment accounts. PE Hibbett noted that symposium support is especially poor and may need to be increased in order to attract high level speakers to annual meetings.

Publications

(7) Editor in Chief's Report: EIC Jeff Stone presented his report [*Inoculum* 62(5)]. The publication of *Mycologia* is going very well with no production problems. This is largely due to the work of the editorial staff and especially the work of the associate editors whose workload has increased significantly in the past few years, particularly those editors involved with systematics. The number of submitted manuscripts has steadily increased with approximately 300 submissions projected for this year. Correspondingly, the acceptance rate has decreased to approximately 40%, with average manuscript review time of 40 days to first decision and 70 days to final decision. The number of pages per journal is being managed to maintain expenses so that only high quality papers are being accepted. Policies of acceptance will be discussed at the Editorial Advisory Committee meeting during the annual meeting. The number of papers on biosystematics could potentially increase with recent changes in the International Botanical Code. HighWire Press will be changing the design of the *Mycologia* website in September to include additional features, including "pop up" abstracts linked to the Table of Contents.

A discussion ensued over attracting papers in hot topic areas, including reviews, Presidential and Karling Addresses, and symposium papers to increase the profile of the journal. Dr. Sally Smith has submitted a paper from her 2010 Karling lecture which has been accepted. Presidential addresses have not been published in recent years. Symposium organizers need to be informed that papers from the symposia can be submitted to *Mycologia* or a summary of the symposium could be submitted to *Inoculum*. Such invited papers would still go through the peer-review process.

EIC Stone concluded his report with a plea that Council should start thinking about a replacement for Editor-in-Chief since there is much to be learned and it would be good to have the new person on board for one or two years for training.

Motion 2 (approved unanimously): EC Stone presents the CV of Bryn Dentinger and requests his approval as Associate Editor.

Action Item: Council members will provide names of potential Associate Editors in the area of systematics to EC Stone.

Action Item: EIC Stone will invite 2011 Karling Lecturer Joe Heitman to submit a paper to *Mycologia*.

Action Item: Secretary Glaeser will inform the Program Committee and the Karling Lecture Committee to urge symposium organizers and the Karling Lecturer to submit invited papers to *Mycologia* or symposia summaries to *Inoculum*.

(8) Managing Editor's Report: ME Snetselaar presented her report [*Inoculum* 62(5)]. Subscription numbers have dropped 25% since 2001. The amount of subscription income has gone up due to increase in subscription rates, but the overall income has not increased due to the lower number of subscriptions. It will be important to maintain expenses of printing *Mycologia* by keeping the number of pages per issue between 180 – 200. Expenses have also gone up since additional options have been added to the website, but these are important since the amount of web traffic is significantly increasing. The eventual conversion to an on-line only format will reduce expenses by about one-third; this cannot be done before 2013. Currently there is no difference in pricing for members based on whether they receive a printed journal or have on-line access, but there is a difference for institutional subscriptions.

Action Item: ME Snetselaar will work with Treasurer Cubeta to change membership dues to reflect a price difference for receiving on-line vs printed issues of *Mycologia*. This would need to be approved by the membership as a Bylaws change so could not take effect until 2013. It would also be necessary to work with Allen Press to make the renewal website more user-friendly if there are to be additional membership categories.

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VP Berbee asked for an explanation about bundled subscriptions. EIC Stone and ME Snetselaar explained that institutions can buy subscriptions either individually or in bundles through subscription agencies.

Action Item: ME Snetselaar will obtain a list of institutional subscribers that have dropped *Mycologia* and work with PP Vilgalys to contact those institutions or initiate requests from MSA members who work at those institutions to request their libraries to renew subscriptions.

EIC Stone observed that many of the subscribers who have dropped their subscriptions are small institutions and that it might be possible to have different subscription rates based on the number of IP addresses of the facility.

One additional change in format is immediate open access that is being made available to authors for a fee of \$1000. In October, open access will be given to one or two significant articles per issue.

PE Hibbett observed that when *Mycologia* changes to on-line access only, publication procedures will need to be reassessed and bids will need to be solicited from other organizations besides Allen Press. There are currently three different contracts with Allen Press, with membership services being separate from the publications contracts.

(9) **Inoculum Editor's Report:** *Inoculum* Editor Don Natvig presented his annual report by commenting that *Inoculum* is much easier to run than *Mycologia*. Submission of articles is going well. The only problem in the past year has been the position of Book Review Editor. Recently this position has been taken on by Bob Marra and book reviews should be coming out soon. *Inoculum* is now almost entirely electronic except for 80 b/w hard copies that get mailed out at the cost of several hundred dollars per issue. Editor Natvig is open to ideas on improving *Inoculum*. President Bruns praised the smooth transition after Jinx Campbell's departure as Editor and thanked Editor Natvig for doing an excellent job with the publication.

Councilors Pringle and Trail commented that notifications from MSA, including announcements about *Inoculum*, get diverted to their spam filter.

Action Item: Secretary Glaeser will add an item to the Business Meeting to poll the membership on how many people do not receive email announcements from MSA.

Annual Meetings

(10) MSA 2012, Yale University

(11) MSA 2013, Austin, TX with APS

President Bruns commented that he has not organized a Local Arrangements Committee yet, although its duties would probably be minimal since APS would be the primary organizer. Possible MSA members suggested by Council who may be in the area included: Christine Hawks, Josephine Taylor, John Zach and Brian Shaw.

(12) MSA 2014, East Lansing, MI with Local Organizers Frances Trail and John Walton. This will need to be earlier in the summer due to the IMC in August.

(13) MSA 2015, TBD. Possibilities include a site in Montana with Cathy Cripps or a venue in western Canada.

New Business

(14) **MSA Archives with invited presenter MSA Historian Ron Petersen.**

The MSA Archives are currently housed at the New York Botanical Garden at no cost to the Society and are composed of over 30 boxes of unsorted materials with no organization or index. Box 1 contained seven bound volumes of papers from the first years of the society, but the content of the other boxes are unknown. Nothing has been added to it since 1996. The NYBG has staff that could index the collection, but the cost estimate is approximately \$10,000 to produce a catalog, not including materials; the catalog would be on-line but the documents would not be electronically available. A discussion ensued about the cost and the possibilities of securing outside funding to do this work.

Motion 3 (declined unanimously with regret) forwarded by Historian Petersen that MSA allocate \$10,000 as a down payment on archiving the MSA records.

Motion 4 (accepted unanimously) proposed by President Bruns that MSA communicate support of cataloging the MSA Archives to the NYBG and work with them to identify sources of outside funding for this project.

Action Item: Historian Petersen will notify NYBG of MSA's support of cataloging the MSA Archives but will need to find a source of outside funding. He will also travel to NYBG in the fall to examine more of the collection.

PE Hibbett stated that if Historian Petersen finds items of particular interest, they could be put on the MSA website or in *Inoculum* to generate more interest in the Archives and attract additional submissions.

(15) **Charge to Liaison with Amateur Mycological Clubs & Societies Committee** – the creation of a North American Mycoflora.

President Bruns is moving forward with the creation of a North American Mycoflora but would need the assistance of the North American Mycological Association (NAMA) members to collect materials. He is charging the Liaison with Amateur Mycological Clubs and Societies Committee with setting up a meeting to organize this project (with funding from the Sloan Foundation) and with setting up a management plan to take on this project. President Bruns envisions a web-based product that could be continuously updated with distribution maps, herbarium records, genbank sequences – a modern resource. It would be necessary to assemble amateurs and professionals to cover specific groups from different regions to work on this; the Committee may need to be expanded further. PP Vilgalys suggested contacting European mycologists who have already done similar projects

Action Item: President Bruns will work with the Liaison with Amateur Mycological Clubs & Societies Committee to begin organizing this effort.

(16) **Integration of Rotating Committees on Special Expertise and MSA Council.**

PE Hibbett observed that MSA has over 150 committee positions and that some committees are not very active. He is exploring ways of consolidating some of these. Councilor Trail suggested that Council members could take over the Chair positions of committees related to their expertise and assist in selecting new members and submitting proposals for symposia. PE Hibbett observed that not all committee subjects were reflected on the council but that expanding the council would be difficult to do.

Action Item: PE Hibbett will solicit ideas from Council for a more detailed plan to be discussed at the midyear Executive Council meeting.

(17) **Status of the IUMS and IUBS Representatives.** These positions are both currently vacant and have traditionally been filled by MSA members who are going to the meetings for other business. At present time, these positions will remain unfilled until the need arises or suitable candidates can be found.

(18) **Recommendations by Allen Press to cut costs and increase membership.**

PE Hibbett reported on a conference call with Christy Classy and Brian Pohl from Allen Press that discussed ways of increasing membership. Strategies included instituting an "early bird" renewal offer, having MSA Officers personally contact members who have not renewed, sending more renewal reminders to members, and instituting mandatory page charges for nonmembers. Councilors Schmitt and Zhang also discussed multiple year memberships and the creation of automatic bank drafts that would be allowed by members for automatic renewal. PE Hibbett suggested that on-line, low cost memberships be available for scientists in developing nations.

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Action Item: PE Hibbett will write proposal for Allen Press on strategies to increase membership for Allen Press to respond to.

Action Item: EIC Stone will add a box to the manuscript submission form to indicate MSA membership so that page charges can be separately calculated.

Action Item: EIC Stone, VP Berbee, and MC Snetselaar will investigate the use of “aggregators” for getting reprints if institutions do not have subscriptions and will notify Council of the results.

(19) Proposal by the Conservation Committee to have fungal conservation topics visible at every annual meeting.

Action Item: PE Hibbett will invite Sharon Cantrell to join the Program Committee.

(20) Items of concern to International Mycological Association Representative Gerald Bills.

Representative Bills has voiced a concern that items come up rapidly within the IMA and it is difficult for him to know how to best represent the views of Council. President Bruns suggested that representatives to other organizations should report concerns that MSA needs to vote on directly to Executive Committee. If insufficient time to contact Council, Executive Council will decide on recommendations.

Action Item: Secretary Glaeser will notify Gerald Bills and representatives to other societies of this policy.

The IMC will be giving an annual award to a mycologist from North America and wants MSA input on suitable awardees.

Action Item: Secretary Glaeser will inform the Chair of the Distinctions Committee that they will need to devise a separate solicitation with new standards for this new award, to be considered when requests for the other award applications are announced in November.

(21) Proposal from Liaison with Amateur Mushroom Societies Chair Cathy Cripps has proposed that MSA fund graduate students to attend local NAMA meetings for purpose of doing outreach – leading workshops, giving talks, assisting with collecting and identify fungi.

Action Item: President Bruns or PE Hibbett will consult with Cathy Cripps to obtain a more detailed proposal with set goals that will serve the interests of both MSA and NAMA.

(22) President Bruns thanked Program Chair Andy Miller and Local Organizers Lee Taylor and Gary Laursen for their hard work in organizing the annual meeting. He also thanked all MSA members who volunteer their time to the Society. The meeting was adjourned at 6 PM.

Minutes of the 2011 MSA Business Meeting

Tuesday, August 2, 2011

Great Hall

University of Alaska – Fairbanks

- (1) The meeting was called to order at 0900 in the Great Hall of the University of Alaska – Fairbanks in Fairbanks, AK by *President Tom Bruns*. *President Bruns* introduced the Society Officers: Past President Rytas Vilgalys, President Elect David Hibbett, Vice President Mary Berbee, Secretary Jessie Glaeser, and Treasurer Marc Cubeta. *President Bruns* thanked all those involved in planning the 2011 Annual Meeting, especially Lee Taylor and Gary Laursen (Local Arrangements Co-Chairs) and Andy Miller (Program Committee Chair) for their wonderful job of organizing this stand-alone meeting. *President Bruns* then called for the approval of the minutes of the 2010 MSA Business Meeting held in Lexington, KY [*Inoculum* 61(4)], referring to copies that had been handed out to the audience by *Secretary Glaeser*. The minutes were unanimously approved by the membership.
- (2) *President Bruns* presented the highlights of his annual report [*Inoculum* 62(5)], in particular thanking the membership for volunteering time and moving the interests of the Society forward. He is especially interested in establishing a major initiative to develop a North American Mycoflora with assistance from the Liaison with Amateur Mycological Clubs and Society Committee. This would be something that all MSA members could support and would be an excellent opportunity for us to interact with members of the North American Mycological Society (NAMA).
- (3) *Vice President Mary Berbee* reported on the results of the election of Council members for 2011. A total of 290 votes were cast in the election; 284 by electronic balloting and 5 by paper balloting. The following new councilors and officers were elected for 2011-2012 and will start their terms after this business meeting: Robert Blanchette, Councilor - Cell Biology/Physiology; Terry Henkel, Councilor – Ecology/Pathology; Ning Zhang, Councilor – Systematics/Evolution; Ignazio Carbone, Councilor - Genetics/Molecular Biology; Joey Spatafora, Vice President. *Vice President Berbee* thanked everyone who nominated candidates and everyone who agreed to stand for election.

- (4) *Secretary Jessie Glaeser* presented the names of 1 Emeritus candidate for approval by the membership: Alan Parker of Waukesha, WI. The motion to approve Dr. Parker as an Emeritus member was unanimously passed by a vote of the membership. *Secretary Glaeser* next presented 92 new or returning members for approval, the motion for which was also unanimously passed by a vote of the membership. *Secretary Glaeser* asked for a moment of silence for those MSA members and/or prominent mycologists who passed away during the past year. These included Isabelle Tavares and Roger Goos.
- (5) *Secretary Glaeser* referred to her midyear [*Inoculum* 62(2)] and annual [*Inoculum* 62(5)] reports as a summary of secretarial duties. She briefly reviewed the highlights of the Mid-Year Executive Council Meeting [*Inoculum* 62(2)] and MSA Annual Council Meeting [*Inoculum* 62(5)], noting that the Executive Council meeting was once again conducted by conference call, thus saving the Society thousands of dollars. She asked the membership if anyone was having problems with MSA email ending up in Spam folders; only two members signaled that this was an issue. She once again reminded the membership, especially the student members, to keep updated email addresses in the MSA Directory since Society business is largely conducted by email. She then thanked the meeting organizers, members of the awards committee, and Awards Coordinator, Andy Methven.
- (6) *Treasurer Marc Cubeta* presented the Treasurer’s annual report [*Inoculum* 62(5)] and briefly presented some highlights, including the number and levels of student awards that will be presented at the annual banquet on Thursday. He announced that the 2010 annual meeting returned \$19,000 after expenses; this money was used to cover the expenses of the Society for the year including: student travel awards for the 2011 annual meeting, a special social at the International Mycological Congress, and speaker travel awards for the Latin American Mycological Congress. Membership has decreased 13% since 2007; the number of institutional subscriptions has also declined. Publication costs are the largest expense of the Society – approximately \$350,000 in 2011. Detailed expenses associated with publications are highlighted in the writ-

Continued on following page

ten report. Endowment finances contain \$160,000 in mentor travel funds and \$182,000 in designated research funds; these are committed funds that can only be used for these awards. A new research award dedicated to Dr. Barnicki-Garcia has reached a funding level of \$10,000 and will be awarded next year. Uncommitted endowment funds, which can be used for other expenses, are approximately \$239,000. These monies are invested conservatively and interest rates are at low levels. Treasurer Cubeta also reported that he has purchased liability and bond insurance for MSA, and that the Society has been named as a benefactor in the estate of Alma Dietz, but this is currently under litigation.

- (7) Awards Presentations (please see Inoculum 62(5) for full details of 2011 MSA awards.
- (a) *President Bruns* began by asking those members in attendance who were MSA Past Presidents, Secretaries, Treasurers, recipients of the Alexopolos Prize, the Weston Award, and Distinguished Mycologists to stand and be recognized.
 - (b) *President Bruns* introduced *Awards Coordinator Andy Methven* to present the awards from the Honorary Awards Committee. After acknowledging the committee members, *Awards Coordinator Methven* presented MSA Fellows Awards to Gregory Mueller and Donald Pfister, providing brief summaries of their career highlights and their devotion to mycology. *Awards Coordinator Methven* then presented Susumu Takamatsu as the nominee for the 2011 Honorary Member, summarizing his major impacts on plant pathology and mycology research in Japan. Dr. Takamatsu was unable to attend the meeting.
- (d) *President Bruns* introduced the *Chair of the MSA Distinctions Committee, Joey Spatafora*, who thanked the other members of his committee and noted that they had a difficult task since there were many excellent nominations. The 2011 recipient of the Alexopoulos Prize for outstanding early-career mycologist was presented to Tim James, who thanked the Society and attributed his success to Society members. The Weston Award for Excellence in Teaching was awarded to Lori Carris, who could not be present. The Distinguished Mycologist Award was presented to Amy Rossman, who thanked the Society and concluded that this was a wonderful time to be a mycologist.
 - (e) *President-Elect Hibbett* presented Certificates of Appreciation to Society members in recognition of exceptional service. These included Tom Bruns, as retiring President; Councilors Anthony Glenn, Jason Stajich, Tom Horton and Tim James; Gary Laursen and Lee Taylor for their excellent work as Local Arrangements Co-Chairs; and Andy Miller as Chair of the Program committee.
- (8) *President Bruns* announced the locations of future MSA meetings: 2012 at Yale University in New Haven, CT; 2013 in Austin, TX as a joint meeting with APS; and 2014 at Michigan State University in East Lansing, MI. *President Bruns* then introduced Siangjeaw Piriyaprin, who presented information about the 2014 International Mycological Congress in Bangkok, Thailand.
- (9) *President Bruns* introduced the new President of the Mycological Society of America for 2011-2012, David Hibbett, who thanked everyone for the attention and adjourned the meeting at approximately 1000 with a tap of the presidential chestnut gavel.

MYCOLOGICAL NEWS

MSA 2012 Meeting at Yale University

Integrative Fungal Biology: Linking Disciplines in Basic and Applied Mycology

This year's meeting is at Yale University in New Haven, Connecticut. New Haven is a culturally and historically rich city in southern New England. One can fly directly into New Haven's Tweed Airport, but the city can also be easily and economically reached via airports in Hartford (Bradley Airport), Boston (Logan Airport), and the New York City/New Jersey area (Kennedy, LaGuardia, and Newark Airports), which all have convenient train/bus/shuttle connections to New Haven. The main program of the MSA 2012 meeting will take place Monday through Wednesday, 16-18 July, concluding with the MSA Banquet, Awards and Auction on Wednesday evening. The Foray (\$30) will occur on Sunday 15 July, followed by a welcome reception in Yale's Peabody Museum of Natural History. A range of accommodations will be offered, including economical dormitories (\$55 pp single, \$35 pp double in Morse College), mid-range on-campus suites (\$88/night single in 2-bedroom suite in Swing) and discounted rates at the three-star Omni Hotel (\$159/night single or double) near the Yale campus. Half of the reserved

beds in Morse College and Swing will be open only to students and the other half only to non-students during the first weeks of registration, after which any remaining rooms will be available to everyone (register early if you want to be sure of getting your preferred lodging). The early registration fees (1 Feb through 30 April) are \$350 for regular MSA members, \$250 for MSA students, with a surcharge of \$100 for non-MSA members and late registration. Registration fees include Sunday's welcome reception, a box lunch on Tuesday, and Wednesday night's banquet/awards ceremony/auction at the Omni Hotel. We have an exciting program of timely and important topics with seven mini-symposia and round tables. For details on the schedule, program, housing, transportation, optional tours, and visitor information, visit the meeting websites

MSA 2012 Meeting Homepage:

<http://msa2012.net/>

Registration & housing:

<http://www.regonline.com/Register/Checkin.aspx?EventID=1033055>

European Scientists Investigating Endophytic Microorganisms

Plants are associated with micro- and nano-organisms: endophytic bacteria and fungi, living inter- and intracellularly in plants without inducing pathogenic symptoms, while interacting with the host biochemically and genetically. Endophytic microorganisms may function as plant growth and defense promoters by synthesising phytohormones, producing biosurfactants, enzymes or precursors for secondary plant metabolites, fixing atmospheric nitrogen and CO₂, or controlling plant diseases, as well as providing a source for new bioactive natural products with utility in pharmaceutical, agrochemical and other Life-Science applications. The use of endophytic microorganisms to control plant-pathogenic bacteria and fungi is receiving increased attention as a sustainable alternative to synthetic pesticides and antibiotics. Furthermore, endophytes may be adapted to the presence and metabolism of complex organic molecules and therefore show useful biodegradation properties. In order to reduce inputs of pesticides and fertilizers and add value to eco-friendly agriculture in Europe, it will be important to develop inocula of biofertilizers, stress protection and biocontrol agents. But there are currently bottlenecks limiting the development of endophytes for use in biotechnology and agriculture.

To increase understanding about these hidden associations between plants, bacteria and fungi, and to identify

bottlenecks in the development and implementation of technologies using endophytes, a network of scientists was recently formed. This COST (European Cooperation in Science and Technology) Action, *Endophytes in biotechnology and agriculture*, will operate all over Europe during the next four years. COST was founded in 1971 and is one of the longest-running European instruments supporting cooperation among scientists and researchers across Europe. The support of young researchers, scientific conferences and book publications are some of the activities organized by COST and paid for by the European Science Foundation. "My stay in Prague, Czech Republic, which was funded by COST, supported my trials very much. I was able to learn methods which I can now implement in my work at home," says Beate Ceipek, a young German researcher about her Short Term Scientific Mission at the Czech Academy of Sciences.

This new COST Action will provide a forum for the identification of bottlenecks limiting the use of endophytes in biotechnology and agriculture and ultimately provide solutions for the economically and ecologically compatible exploitation of these organisms within Europe and beyond.

For more information on this Action and how you can become involved, visit our website at: www.endophytes.eu



Delegates at the kick-off meeting at the COST office in Brussels, December 2011 (Photo by David Ezra)

Specimens Available from the U.S. National Fungus Collections

Duplicate specimens and extra exsiccati sets available from the U.S. National Fungus Collections. If you are interested, please contact Amy.Rossman@ars.usda.gov

Audrey Coxbill Gabel 1940-2011

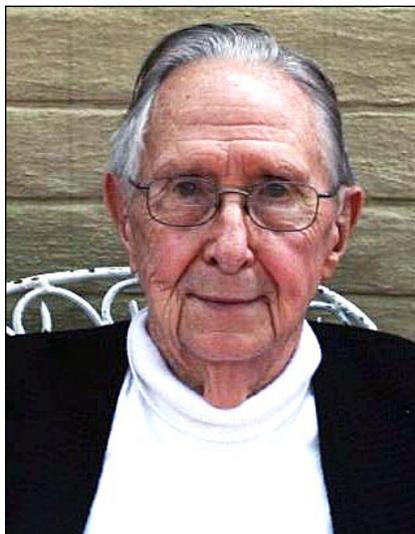
Audrey Gabel, teacher and mycologist at Black Hills State University, Spearfish, South Dakota, died July 5, 2011, of Creutzfeldt-Jacob disease. A faculty member for 18 years, she continued her research on the fungi of the state after retirement, and with Elaine Ebbert, she authored a photographic guidebook to fungi of the Black Hills.

Johannes Van Der Walt 1925-2011

Professor Johannes van der Walt, internationally recognized yeast taxonomist, passed away on November 13, 2011. Although he was challenged by numerous health problems, he remained active until only a few weeks before his unexpectedly sudden death. Johannes entered the University of Pretoria where he graduated *cum laude* with a BSc degree, majoring in Chemistry and Physics, and later obtained an MSc degree in Chemistry from the same university. In 1948, he joined the CSIR as an assistant scientist, and the same year enrolled for a Doktorandus under the guidance of Professor AJ Kluver with Chemistry as his major subject and microbiology as a minor at the Rijks University of Leiden, a degree completed in 1949. Three years later, he graduated with a D.Sc. from Delft Technology University, having completed a thesis on yeast pigmentation.

After completing his D.Sc., Johannes returned to South Africa where he was employed by the CSIR until his retirement in 1988, although he continued in joint positions as honorary professor much longer. In 1957, he moved to Stellenbosch, where in 1961 he was appointed as Head of the Microbiology Research Group. There he pursued his passion for the systematics, genetics and ecology of yeasts. Between the years 1963 and 1967, he led the first mycotoxin research programme at the CSIR.

Johannes published 131 scientific papers and four significant books on yeast taxonomy. He was a member of the Royal Society of South Africa, and in 1969 he was invited by IUMS to serve as a member of the International Commission of Yeasts. Later (1980) he served on the Special Committee for Fungi and Lichens of the International Association for



Plant Taxonomy. He was appointed as an honorary professor at the University of Pretoria between 1980 and 1983 and again between 1999 and 2001, and at the University of the Free State from 1984 until 2000. Unfortunately, due to ill health he retired from the latter position in 1998. In 1994, he was awarded an honorary doctorate from the University of the Free State for his important contributions to yeast taxonomy.

Johannes van der Walt made many important contributions to science nationally and internationally. His best-known contributions were in the field of yeast taxonomy where he described very large numbers of new taxa. He also contributed important

chapters to books such as *The Yeasts, a taxonomic study* (2nd and 3rd editions) and the 2nd edition of *The Yeasts*. He had an amazing ability to discover novel yeasts and was a passionate advocate of enrichment techniques that enabled him to discover yeasts overlooked by others in similar environments.

Johannes had an amazing knowledge of languages and was especially passionate about Latin and Greek. This interest led him to delight in deciding on names for new fungi and bacteria, and for this purpose he always preferred Greek. In his later years, he made weekly visits to the FABI laboratories to isolate yeasts, particularly from lichens, and these visits were the highlight of his week.

Johannes lived life to the fullest. He loved people and was always wonderful company. He was a great man of science and a friend to many.

Teresa Coutinho, Mike Wingfield

Forestry and Agricultural Biotechnology Institute (FABI)
University of Pretoria, South Africa

Congratulations Marc Cubeta

Marc A. Cubeta, Professor at North Carolina State University, has been awarded a Fulbright Scholar grant to teach and conduct research at the Swedish University of Agricultural Sciences in Uppsala Sweden during the 2011-2012 academic year, according to the United States Department of State and the J. William Fulbright Foreign Scholarship Board. Cubeta will teach fungal biology and plant pathology and investigate the disease ecology and population dynamics of *Rhizoctonia* fungi on forest tree seedlings and closely related non-pathogenic species that associate with orchids and decayed wood. Cubeta is one of approximately 1,100 U.S. faculty and professionals who will travel abroad through the Fulbright US Scholar Program in 2011-2012.



MYCOLOGIST'S BOOKSHELF

The list below contains books for which reviews are needed. If you would like to review a book or CD, please contact me (robert.marra@ct.gov). A book goes to the first person requesting it, and once it has been received, its review is due three weeks before the deadline for the next issue of *Inoculum*. 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.

—Bob Marra

Recently Received Books (Reviews Needed)

- **Forest Health: An Integrated Perspective.** 2011. John D. Castello, Stephen A. Teale (eds.). Cambridge University Press, Cambridge, UK. www.cambridge.org. ISBN: 9780521766692. 404 pp, 80 b/w illus. 7 tables. Price: £65.00 (hardcover). *Reviewer assigned.*
- **21st Century Guidebook to Fungi.** 2011. David Moore, Geoffrey D. Robson, Anthony P. J. Trinci. Cambridge University Press, Cambridge, UK. www.cambridge.org. ISBN: 9780521186957. 640 pp, 406 b/w illus., 57 tables, plus 1 CD-Audio. Price: £40.00 (paperback). *Review needed.*
- **Medically Important Fungi: A Guide to Identification, 5th ed.** 2011. Davise H. Larone. ASM Press, Washington, DC. www.asmpress.org. ISBN: 978-1-55581-660-5. 508 pp, illus, color plates. Price \$109.95 (hardcover). *Review needed.*
- **Cryptococcus: From Human Pathogen to Model Yeast.** 2010. Joseph Heitman, Thomas R. Kozel, Kyung J. Kwon-Chung, John R. Perfect, Arturo Casadevall (eds). ASM Press, Washington, DC. www.asmpress.org. ISBN: 978-1-55581-501-1. 646 pp, full-color insert, illus. Price: \$169.95 (hardcover). *Review needed.*
- **The Mycota, Vol. 10: Industrial Applications, 2nd ed.** 2011. Martin Hofrichter (Ed.). Karl Esser (Series Ed.). Springer-Verlag, Berlin. service-ny@springer.com. ISBN: 978-3-642-11457-1. 485 pp, 152 illus. Price: \$269.00 (hardcover). *Review needed.*
- **The Mycota, Vol. 14: Evolution of Fungi and Fungal-Like Organisms.** 2011. Stefanie Pöggeler, Johannes Wöstemeyer (Eds.). Karl Esser (Series Ed.). Springer-Verlag, Berlin. service-ny@springer.com. ISBN: 978-3-642-19973-8. 345 pp, 60 illus., 10 in color. Price: \$269.00 (hardcover). *Review needed.*
- **Key For Identification of Common Phytophthora Species.** 2011. Jean Beagle Ristaino. APS Press, St. Paul, MN. www.apsnet.org. ISBN: 978-0-89054-397-9. CD-ROM. Price: \$269.00 (single user). *Review needed.*
- **Practical Guide to Turfgrass Fungicides.** 2011. Richard Latin. APS Press, St. Paul, MN. www.apsnet.org. ISBN: 978-0-89054-392-4. 280 pp, 115 images, 29 chemical structures. Price: \$139.95 (hardcover). *Review needed.*
- **Conspectus of World Ethnomycology: Fungi in Ceremonies, Crafts, Diets, Medicines, and Myths.** 2011. Frank M. Dugan. APS Press, St. Paul, MN. www.apsnet.org. ISBN: 978-0-89054-395-5. 160 pp, 18 color images, 9 b/w figures. Price: \$69.96. *Review needed.*
- **Smut Fungi of the World.** 2011. Kálmán Vánky. APS Press, St. Paul, MN. www.apsnet.org. ISBN: 978-0-89054-398-6. 1480 pp, 650 line drawings, 2800 micrographs. Price: \$499.00 (hardcover). *Review needed.*
- **Microbial Biofilms: Current Research and Applications.** 2012. Gavin Lear, Gillian D. Lewis (Eds.). Caister Academic Press, Norfolk, UK. www.caister.com. 228 pp. Price: GB £159, US \$310 (hardcover). *Review needed.*

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 Kay Rose, Association Manager at Allen Press, at krrose@allenpress.com.

MYCOLOGICAL CLASSIFIEDS

Mold and Fungus Testing and Identification Services

Biochallenge tests for ink, microfluidic materials; testing for resistance of materials to fungal invasion. Identification of industrial contaminants. Epifluorescent microbial detection in deionized water systems, microfluidic devices, medical fluids, manufactured goods. Identifica-

tion of fungi from buildings, animal and plant diseases. 10% discount for regular and sustaining MSA members. Email info@pacificanalytical.com. For more information see www.pacificanalytical.com.

Biological Control, Biotechnology and Regulatory Services

Center for Regulatory Research, LLC specializes in regulatory permit application services for biological control and biotechnology organisms/products. Let us evaluate your research discoveries for commercial potential and environmental impacts. We also offer assistance with writing proposals for SBIR grant programs (Small Business

Innovation Research) that fund new commercial ventures. Contact Dr. Sue Cohen by email (sdcohen@regresearch.com) or by phone (612-623-8089). For more information about our company, visit our website at www.regresearch.com.

MYCOLOGICAL JOBS

Postdoc Position, University of Minnesota

A postdoctoral research position is open on the Saint Paul campus at the University of Minnesota with a focus on the biology of wood-degrading fungi. The research aim is to elucidate extracellular mechanisms of wood cell wall breakdown by brown rot fungi. Those with background in

fungal biology and biochemistry are encouraged to inquire, and microscopy experience (eg, EM, CLSM, FISH) is preferred. For more information, contact Dr. Jonathan Schilling via email at schillin@umn.edu.

Postdoc Positions in Soil Microbial Ecology and Metagenomics

Two positions are available (starting within the next 2-6 months) for highly motivated postdoctoral researchers in a microbial ecology and metagenomics research program focused on soil microbial carbon cycling and climate change response. The program includes a field research component where multiple metagenomic and transcriptomic strategies are used to examine the effects of climate change drivers on soil fungal and bacterial communities in different terrestrial ecosystems. Near term projects focus on the roles of soil fungal communities in temperate forests exposed to elevated carbon dioxide and/or nitrogen deposition, and on arid land ecosystems exposed to elevated carbon dioxide, warming, and/or altered precipitation. Parallel model system studies are being conducted to identify active populations and mechanisms controlling soil carbon storage and cycling. Successful candidates will work closely with a team of Ph.D.

staff scientists, postdoctoral researchers, technicians, external collaborators, and members of the DOE Joint Genome Institute. Requirements for application are a recent (within past 5 yrs) Ph.D. in microbiology, biochemistry or related field, with research experience in microbial ecology, a demonstrated publication record, and excellent communication and writing skills. Bioinformatics and metagenome data analysis skills are desirable.

More information about the postdoctoral research program at Los Alamos National Laboratory is available at <http://www.lanl.gov/science/postdocs>. Salary is commensurate with experience. Outstanding candidates may be considered for a Director's Fellowship, J. Robert Oppenheimer, Richard P. Feynman, or Frederick Reines Fellowships. Interested candidates should please e-mail a curriculum vitae and names of references to Cheryl Kuske (kuske@lanl.gov).

MYCOLOGY ON-LINE

Below is an alphabetical list of websites featured in *Inoculum*. Those wishing to add sites to this directory or to edit addresses should email dnavtig@gmail.com. **Unless otherwise notified**, listings will be automatically deleted after one year (at the editors discretion).

- A New Web Page About Tropical Fungi, Hongos Del Parque "El Haya" (58-5)
hongosdelhaya.blogspot.com/
- ASCOFrance.com, a very useful site for illustrations of ascomycetes including anamorphs (accessible in both French and English)
ascofrance.com/?lang=us
- Ascomycota of Sweden
www.umu.se/myconet/asco/indexASCO.html
- Basidiomycete Research Group (University of Helsinki, Finland) studies systematics, ecology and evolution of fungi in forest environment.
www.basidio.fi
- Bibliography of Systematic Mycology
www.speciesfungorum.org/BSM/bsm.htm
- Cold Spring Harbor Laboratory; Meetings & Courses Programs (58-2)
meetings.cshl.edu
- Collection of 800 Pictures of Macro- and Micro-fungi
www.mycolog.com
- Cordyceps Website
www.mushtech.org
- 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 nomenclatural and taxonomic 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
- Distribution Maps of Caribbean Fungi (56-2)
www.biodiversity.ac.psiweb.com/carimaps/index.htm
- Entomopathogenic Fungal Culture Collection (EFCC)
www.mushtech.org
- Fungal Environmental Sampling and Informatics Network (58-2)
www.bio.utk.edu/fesin/
- Fungi of Ecuador
www.mycokey.com/Ecuador.html
- German Mycological Society DGfM
www.dgfm-ev.de
- MYCO-LICH facilitates mycology and lichenology studies in Iran.
www.myco-lich.com
- Mycologia*
mycologia.org
- Humboldt Institute — Located on the eastern coast of Maine, the institute is known for the extensive series of advanced and professional-level natural history seminars it has offered in Maine since 1987, along with ecological restoration seminars and expeditions to the neotropics. It publishes the *Northeastern Naturalist* and *Southeastern Naturalist*, two scholarly, peer-reviewed, natural history science journals.
www.eaglehill.us
- Website relating to the taxonomy of the Hysteriaceae & Mytiliniaceae (Pleosporomycetidae, Dothideomycetes, Ascomycota) to facilitate species identification using a set of updated and revised keys based on those first published by Hans Zogg in 1962. 59(4)
www.eboehm.com/
- Index of Fungi
www.indexfungorum.org/names/names.asp
- Interactive Key to *Hypocreales* of Southeastern United States (57-2)
nt.ars-grin.gov/sbmlweb/fungi/keydata.cfm
- ISHAM: the International Society for Human and Animal Mycology
www.isham.org
- JSTOR (58-3)
jstor.org
- Libri Fungorum Mycological Publications (58-3)
194.203.77.76/LibriFungorum/
- Mold Testing and Identification Services (58-2)
www.pioneer.net/~microbe/abbeylab.html
- 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/**
- MycKey
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)
www.nemfdata.org
- Pacific Northwest Fungi — A peer-reviewed online journal for information on fungal natural history in Alaska, British Columbia, Idaho, Montana, Oregon and Washington, including taxonomy, nomenclature, ecology, and biogeography.
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
members.cox.net/mushroomsinart/
- 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
- Searchable database of culture collection of wood decay fungi (56-6)
www.fpl.fs.fed.us/rwu4501/index.html
- Small Things Considered — A microbe blog on microbes in general, but carries occasional pieces specifically on fungi.
schaechter.asmblog.org/schaechter/
- Tree canopy biodiversity project University of Central Missouri (58-4)
faculty.cmsu.edu/myxo/
- Trichomycete site includes monograph, interactive keys, a complete database, world literature, etc. (61-4)
www.nhm.ku.edu/~fungi
- The TRTC Fungarium (58-1)
bbc.botany.utoronto.ca/ROM/TRTCFungarium/home.php
- U.S. National Fungus Collections (BPI)
Complete Mushroom Specimen Database (57-1)
www.ars.usda.gov/ba/psi/sbml
- Valhalla provides information about past mycologists, with names, dates of birth and death and, in some cases, biographies and/or portraits (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/

CALENDAR OF EVENTS

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 Don Natvig at dnatvig@gmail.com.

March 8-11, 2012

Neurospora 2012 Meeting
Asilomar, CA
<http://www.fgsc.net/>

March 30 - Apr 2, 2012

11th European Conference on Fungal Genetics
Marburg, Germany
<http://www.ecfg.info/>

April 12-13, 2012

CBS symposium: One Fungus = Which Name?
<http://www.cbs.knaw.nl/News/NewsDetails.aspx?Rec=70>

April 13-15, 2012 (Note Revised Date!)

Mid-Atlantic States Mycological Conference (MASMC)
University of Tennessee
Knoxville, Tennessee
(host: Brandon Matheny, pmatheny@utk.edu)

June 11-15, 2012

18th Congress of the International Society of Human and Animal Mycology (ISHAM)
Berlin, Germany
<http://www.isham2012.org/index.php>

July 9-13, 2012

The XVIIth Biennial Workshop on the Smuts and Bunts
Shenzhen, Guangdong, China
Contact Dr. Wu Pinshan, smut2012@163.com

July 15-19, 2012

2012 MSA Meeting
Yale University, New Haven, CT

July 31 - Aug 5, 2012

Yeast Genetics and Molecular Biology Meeting
Princeton University, Princeton, NJ
<http://www.yeast-meet.org/2012/>

August 2-5, 2012

36th Annual Samuel Ristich Foray, NEMF
East Stroudsburg, PA
<http://www.nemf.org/files/menu.htm>

August 4-8, 2012

American Phytopathological Society
Providence, RI
<http://www.apsnet.org/Pages/default.aspx>

August 5-10, 2012

Ecological Society of America
Portland, OR
<http://www.esa.org/portland/>

September 3-6, 2012

BMS Fungal Interactions
Alicante, Spain
<http://www.britmycolsoc.org.uk/science/scientific-meetings/2012-alicante/>

December 13-16, 2012

NAMA Foray
Scotts Valley, CA
<http://www.namyco.org/>

Mycological Society of America — Gift Membership Form

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

I want to provide an **MSA Gift Membership** to the following individual:

Name _____
Institution _____
Complete Address _____
Phone _____ FAX _____ Email _____

Please send renewal notices to:

(YOUR name) _____
(YOUR address) _____
Phone _____ FAX _____ Email _____

I agree to pay \$98* for this membership by check (payable to MSA, drawn on US bank) ___ VISA ___ Mastercard ___
Acct. # _____ Name (as it appears on card) _____ Exp. date _____

Send this form to: MSA Business Office, PO Box 1897, Lawrence KS 66044
or FAX to (785) 843-1274, Attn: Processing Department

*If this membership is given after June 1, please add \$10 to cover postage for past issues.

The Mycological Society of America Sustaining Members 2012

The Society is extremely grateful for the continuing support of its Sustaining Members. Please patronize them and, whenever possible, let their representatives know of our appreciation.

Fungi Perfecti

Attn: Paul Stamets
PO Box 7634
Olympia, WA, 98507
(360)426-9292
info@fungi.com

Mycotaxon, Ltd.

Attn: Richard P. Korf
PO Box 264
Ithaca, NY, 14851-0264
(607) 273-0508
info@mycotaxon.com

Triarch, Inc.

Attn: P.L. Conant - President
PO Box 98
Ripon, WI, 54971
(920)748-5125

Sylvan, Inc.

Attn: Mark Wach
Research Dept Library
198 Nolte Drive
Kittanning, PA, 16201
(724)543-3948
mwach@sylvaninc.com

Syngenta Seeds, Inc.

Attn: Rita Kuznia
Dept Head, Plant Pathology
317 330th Street
Stanton, MN, 55018-4308
(507) 663-7631
rita.kuznia@syngenta.com

Genencor International, Inc.

Attn: Michael Ward
925 Page Mill Rd
Palo Alto, CA, 94304
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