

Newsletter of the Mycological Society of America

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FunKey
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Fifth Kingdom, The Outer Spores
Biological control, biotechnology,
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December 15, 2015

— extended to January 15, 2016

Deadline for submission to *Inoculum* 67(1)

December 31, 2015

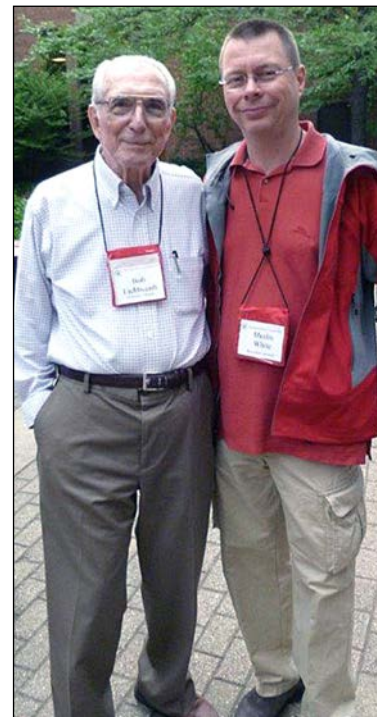
Deadline for symposium topics for the 2017
International Botanical Congress in Shenzhen,
China.

Editor — Julia Kerrigan

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Merlin White honors Robert Lichtwardt by establishing a research grant

A special occasion at the social in Edmonton was the announcement by Merlin White and his wife Paula of the establishment of a research grant to honor Merlin's mentor and longtime MSA member Dr. Robert Lichtwardt. Merlin made the following statement. "With Bob as my mentor and advisor I had/have an open and generous hand that extended to share with me a journey, with patience, flexibility, and trust in the process; leadership



Lichtwardt and White

and guidance by demonstration and example, as much as any other approach; a sense of history for my field and Mycology more broadly, that melded with both the present and a presence that would lay the path for the future; a generosity and caring that was truly inspirational and transformative; an atmosphere of passion and desire, augmented with a driven and genuine curiosity; a firm foundation upon which to build a future, one that because of those prior experiences, one could only be truly compelled to attempt to continue with some sense of the legacy of training and learning that is as much a shared and mutual exchange as it is a hopeful lifelong friendship between the participants." Bob couldn't be at the meetings this year, but was thrilled to hear of this special contribution in his honor.

Auction at Edmonton

Mary Berbee, as local arrangements coordinator, and Daniel Durall, as program chair, did a great job of organizing the 2015 Annual Mycological Society of America meetings in beautiful Edmonton, Canada. As usual the meetings culminated with the annual awards banquet and auction. The banquet was scrumptious and served with precision and style. Students were honored for their papers and talks (see *Inoculum* September 2015, 66(5)), Fred Spiegel received the William H. Weston Teaching Award, Peter Kennedy won the Alexopolous Prize, Paul Stamets was awarded the first Gordon and Tina Wasson Award, and George Carroll accepted the Distinguished Mycologist Award with his usual charm and grace. Then, it was on to the auction. The worry about the transport of items across the border was for naught as the tables were filled with books, art works, and kitsch. Five lady mycologists (Jean Lodge, Georgiana May, Bitty Roy, Racheal Koch, and Jessie Glaeser) matched up against five male mycologists (Tom Bruns, Greg Mueller, Roy Halling, Andy Wilson, and Thomas Jenkinson) as auctioneers to see

who could bring in the most money. It was no contest. From President Jean Lodge's dance in her specially designed lab coat to the vociferous urging of her teammates, the men knew it was all over. The men did alright, but were no match for the organized women's team. Wait until next year?

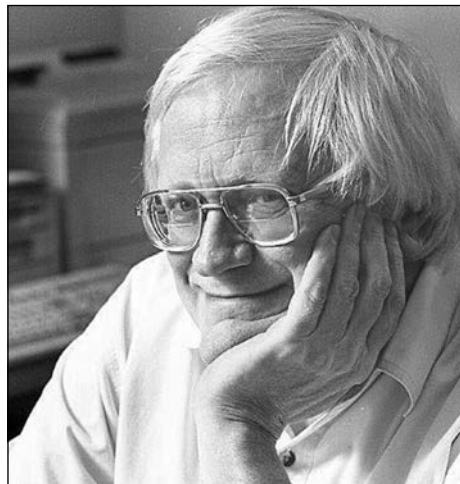
Items up for auction included gorgeous original drawings by Gladys Baker, a framed picture of the dancing mushrooms from the movie *Fantasia*, a complete set of the *Fungi of Switzerland* donated by Dr. Steve Nelsen (see accompanying article), mushroom jewelry, superb kitsch, and lots and lots of books. And, yes, President O'Donnell bought the treasured Presidential Tie and even modeled a MSA Presidential dress (see photo in *Inoculum* September 2015, 66(5)). The fun and successful auction netted the society over \$6,000 to be used for student travel to future meetings. Thanks to all who donated items to the auction and those who bid like there was no tomorrow.

—Don Hemmes
Endowment Committee, Past Chair

MSA Auction donation in honor of Dr. Steve Nelsen

A special donation to the annual MSA auction in Edmonton was a complete set of *Fungi of Switzerland* by J. Breitenbach and F. Kränzlin in the name of Dr. Steve Nelsen, who was the P. D. Bartlett Professor of Chemistry at the University of Wisconsin. Dr. Nelsen retired after 47 years, had over 290 publications, and served as advisor for 33 Ph.D. students.

Nelsen was proud of his article in *Mycologia* entitled "*Pluteus aurantipes* sp. nov." His colleagues remember him as an excellent mycologist who would always find those unusual fungi on forays. John Steinke, who helped facilitate the donation to MSA, met Dr. Nelson through the Wisconsin Mycological Society where he contributed regularly to the newsletter, led forays and



was part of the winter programs.

Nelsen took great pictures of everything. He made great collections, took them home to study, and then returned them to nature. He was not a fan of the name changes but was a dedicated nonprofessional mycologist.

His wife, Adrienne, gave his collection of books to Steinke and that is how this particular set was donated to MSA. The income from the sale of these books will help fund a young mycologist to the annual MSA meetings in the future. Steinke said he respects Steve's brilliance. Dr. Nelson will appreciate that.

—Don Hemmes
Endowment Committee, Past Chair

MSA BUSINESS

Executive Vice President's Report

Council Business: Two email polls were completed since the beginning of my term as Executive Vice President: 1) Council approved a survey of membership by an ad-hoc Diversity Committee that seeks to gather information regarding diversity to better inform policies and practices of the MSA and to foster an equitable and inclusive environment for all members. This survey was in response to a recent article on MSA gender balance published by Sara Branco and Else Vellinga in the September 2015 issue of *Inoculum* (<http://msafungi.org/inoculum/>). The survey was sent to membership on October 13, 2015 and; 2) Council approved the Karling Annual Lecture Committee's nomination of Dr. Thomas N. Taylor as the 2016 Karling Lecturer.



Sarah Bergemann

MSA Business: The 2016 MSA Council and Roster of all appointments were posted on the MSA website (<http://msafungi.org/msa-business/msa-officers-and-roster/>).

Member Deaths: Edward E. Butler, September 11, 2015, MSA councilor and recipient of the William H. Weston Teaching Award.

New Members: I would like to extend a warm welcome to the following new and returning members who joined MSA in August and September. Their membership will be formally approved at the 2016 Annual Business Meeting in Berkeley, CA:

United States: Christine Salomon, Shawn Freitas
Canada: Pierre Noel

2016 Membership Renewal: Renewal notices were sent out (by email) on October 14. Membership dues remain the same as for 2015, with an **early renewal discount** for those members who renew before December 31. Please contact me with any suggestions, complaints, or feedback on the membership renewal process.

Membership: With membership declining in the MSA, it is important to recommend the Society to your colleagues, students and postdoctoral associates who are interested in fungi. Please help us get the word out! Signing up is easy by following the links on the membership page (<http://msafungi.org/membership/>) to the Business Site. Please feel free to contact me (sarah.bergemann@mtsu.edu) if there are questions about renewing or new memberships. Taylor Hrabec (thrabec@allenpress.com) is the Association Manager Administrator at Allen Press and can assist with updating membership information in the MSA directory.

Please feel free to contact me about MSA business or any other questions you have about the Society.

—Sarah Bergemann
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MSA Executive Vice President

Mycological Society of America 2015–2016 Official Roster

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Continued on following page

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Continued on following page

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MSA 2017 Local Arrangements

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**Representative to the Collections Web
Research Coordination Network**
Vacant

Affiliated Mycological Societies – Regional
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Oregon Mycological Society (OMS)

**Affiliated Mycological Societies
– National & International**
African Mycological Association
Australasian Mycological Society
British Mycological Society (BMS)
Latin American Mycological Society (ALM)
Mycological Society of China (MSC)
Mycological Society of Japan (MSJ)
North American Mycological Association
(NAMA)

Honorary Societies & Institutes
British Mycological Society
Centraalbureau voor Schimmelcultures 2004
Mycological Society of Japan 2005

MYCOLOGICAL NEWS

MSA AWARDS 2016

CALL FOR NOMINATIONS AND APPLICATIONS
Deadline : February 15th 2016

Please also visit the MSA website at www.msafungi.org and follow the link to Awards

For over 35 years the **Mycological Society of America** has been recognizing excellence in research, teaching and service among its membership by celebrating **Students, Teachers and Researchers**. This is your chance to do something for that promising student or distinguished mycologist.

If you don't nominate them, they will surely not receive an award!

MSA AWARDS COMMITTEES 2015-2016

Mycological Society Distinctions Committee

Awards administered: Distinguished Mycologist Award, Alexopoulos Prize, Weston Award for Excellence in Teaching, The Gordon and Tina Wasson Award.

Chair: Dr. Francois Lutzoni, flutzoni@duke.edu.

Members: Dr. Christopher Schardl, schardl@uky.edu; Dr. David Hibbett, dhibbett@uclarku.edu; Dr. Charles Bacon, charles.bacon@ars.usda.gov; Dr. Dennis Desjardin, ded@sfsu.edu. Dr. Louise Glass, lglass@nature.berkeley.edu, *ex officio*, Past Chair; Dr. Kerry O'Donnell, *ex officio*, President

Honorary Awards Committee

Awards administered: MSA Fellows, Honorary Members

Chair: Dr. Mary Berbee, mary.berbee@gmail.com

Members: Dr. David Hibbett, dhibbet@clarku.edu; Dr. Jean Lodge, dlodge@caribe.net; Dr. Meredith Blackwell, mblackwell@lsu.edu, *ex officio*, Past Chair

Student Awards Committee

Awards administered: MSA Graduate Fellowships, NAMA Memorial Fellowship, Backus Award, Undergraduate Research Award, Best oral and poster presentations by undergraduate and graduate students.

Chair: Dr. Tim James, tyjames@umich.edu

Members: Dr. Tom Horton, thorton@esf.edu; Dr. Heather Hallen-Adams, hhallen-adams2@unl.edu, Dr. Allison Walker, a.k.walker@eagles.usm.edu, Dr. Julia Kerrigan, jkerrig@clemsun.edu, *ex officio*, Past Chair

Mentor Travel Awards Committee

Awards administered: Mentor Student Travel Awards

Chair: Dr. Brian Perry, baperry@hawaii.edu

Members: Dr. Scott Bates, states@umn.edu; Dr. Mahajabeen Padamsee, PadamseeM@landcareresearch.co.nz; Dr. Sarah Branco, sara.mayer.branco@gmail.com, Dr. Matias Cafaro, matias.cafaro@upr.edu *ex-officio*, Past Chair.

Research Awards Committee

Awards administered: Martin-Baker Award, Clark T. Rogerson Student Research Award, Forest Fungal Ecology Research Award, Forest Fungal Ecology Postdoctoral Research Award, Alexander H. and Helen V. Smith Research Award; John W. Rippon Research Award, Salomon Bartnicki-Garcia Award, Emory Simmons Research Award.

Chair: Dr. David Geiser, dgeiser@psu.edu

Members: Dr. Peter Kennedy, kennedyp@umn.edu; Dr. Jolanta Miadlikowska, jolantam@duke.edu; Dr. Tim James, tyjames@umich.edu; Dr. Greg Mueller, gmueller@chicagobotanic.org, Dr. Betty Strack, bstrack@fieldmuseum.org, *ex officio*, Past Chair.

DISTINGUISHED MYCOLOGIST AWARD

Awarded annually to an individual who has established an outstanding mycological career. This is one of the highest awards bestowed by the MSA and marks a distinguished career. Nominees for the award will be evaluated on the basis of quality, originality, and quantity of their published research, and on the basis of service to the MSA or to the field of mycology in general.

Application deadline: February 15th

Requirements:

- (1) The nominee must be a current member of MSA or eligible for emeritus membership.
- (2) The nominee must have received his or her terminal degree at least twenty years prior to January 1 of the year in which the award is given. There is no requirement for a minimum age or impending or actual retirement. Honorary degrees shall not be considered in determining the time interval.
- (3) An individual may receive the Distinguished Mycologist Award only once.
- (4) Self nomination is not allowed.
- (5) Nominators must be members of the MSA.
- (6) Nominees who are not chosen for the award in the year in which they are nominated will be reconsidered for up to two additional years. The Distinctions Committee Chairperson will request updates of the nominee's materials.

Documents required: The nomination folder should contain:

- (1) A nominating letter, including a detailed evaluation of the nominee's outstanding contributions to Mycology.
- (2) A current curriculum vitae, including a list of the nominee's publications.
- (3) Up to five additional letters of support.

To apply: The nominator should a) prepare a single electronic file, preferably in pdf format, containing all of the items listed above and

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email it as an attachment; b) prepare as much as possible electronically in one email with attachments followed by FAX or hard copy of the non-electronic portions or c) submit all documents by FAX or mail and send all to the **Chair of the MSA Distinctions Committee**.

Note: The Chair of the Distinctions Committee will appoint ad hoc committee members in place of committee members whose major professor may be nominated for the award. The committee may choose to make more than one award or no award in a given year, if it is appropriate. Presentation of the award, a plaque, will take place at the awards ceremony during the annual meeting of the MSA. The recipient will be notified in time to plan to attend the presentation. The name of the winner of the award will be published in the annual meeting program and in *Inoculum*.

ALEXOPOULOS PRIZE

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

Application deadline: February 15th

Requirements:

- (1) The nominee must be a current member of the MSA.
- (2) Nominees must have received their last degree within the ten year period immediately preceding January 1st of the year in which the award is given.
- (3) An individual may receive the Alexopoulos Award only once.
- (4) Self nomination is not allowed.
- (5) Nominators must be members of the MSA.
- (6) Nominees who are not chosen for the prize in the year in which they are nominated will be reconsidered for up to two additional years (within the 10-year limit). The Distinctions Committee Chairperson will request updates of the nominee's materials.

Documents required: The nomination folder should contain:

- (1) A nominating letter, including a detailed evaluation of the nominee's contributions to Mycology.
- (2) A current curriculum vitae, including a list of the nominee's publications.
- (3) Reprints of the nominee's 5 most significant papers.
- (4) Up to five additional letters of support.

To apply: The nominator should a) prepare a single electronic file, preferably in pdf format, containing all of the items listed above and email it as an attachment; or b) prepare as much as possible electronically in one email with attachments followed by FAX or hard copy of the non-electronic portions; and send all to the **Chair of the MSA Distinctions Committee**. Reprints should be sent as separate attachments along with the pdf file or, if not available electronically, copies should be mailed separately to each of the five member of the [Distinctions Committee](#).

Note: The award consists of a plaque and a monetary award derived from either the annual interest on the principle deposited in the MSA Alexopoulos Fund or \$1,000, whichever is greater. The committee may choose to make no award in a given year, if it is appropriate. Presentation of the award will take place at the awards ceremony during the annual meeting of the MSA. The recipient will be notified in time to plan to attend the presentation. The name of the winner of the award will be published in the annual meeting program and in *Inoculum*.

WILLIAM H. WESTON AWARD FOR EXCELLENCE IN TEACHING

Awarded annually to an outstanding teacher of mycology at the undergraduate and or graduate levels.

Application deadline: February 15th

Requirements:

- (1) The nominee must be a current member of the MSA.
- (2) An individual may receive the Weston Award only once.
- (3) Self nomination is not allowed.
- (4) Nominators must be members of the MSA.
- (5) Nominees who are not chosen for the prize in the year in which they are nominated will be reconsidered for up to two additional years. The Distinctions Committee Chairperson will request updates of the nominee's materials.

Documents required: The nomination folder should contain:

- (1) A current curriculum vitae, including lists of a) courses taught in mycology, plant pathology or related areas, b) publications related to the teaching of mycology, c) teaching seminars, symposia or workshops given by the nominee to either lay or academic groups and, d) memberships on national, regional, state or local committees, panels, etc., on teaching.
- (2) A list of graduate students with thesis titles, degrees and dates, publications, and current addresses (where known), or explanation for the absence of such.
- (3) A statement from the nominee on teaching philosophy, i.e., what the nominee personally believes it takes to make an excellent teacher, what the nominee is trying to accomplish in teaching mycology, and how various teaching techniques and strategies help to accomplish this goal.
- (4) A list of previous awards or recognition for outstanding teaching.
- (5) Evaluation of the nominee's teaching, including a) solicited and unsolicited letters from students and colleagues who have taken or audited the nominee's courses, or been supervised by the nominee, b) course evaluation forms (or numerical summaries thereof) and c) any other information documenting teaching excellence.

To apply: The nominator should a) prepare a single electronic file, preferably in pdf format, containing all of the items listed above and email it as an attachment; or b) prepare as much as possible electronically in one email with attachments followed by FAX or hard copy of the non-electronic portions; and send all to the **Chair of the MSA Distinctions Committee**. If not available electronically, supplemental material should be mailed separately to each member of the Distinctions Committee.

Note: The committee may choose to make no award in a given year, if it is appropriate. Presentation of the award, a plaque, will take place at the awards ceremony during the annual meeting of the MSA. The recipient will be notified in time to plan to attend the presentation. The name of the winner of the award will be published in the annual meeting program and in *Inoculum*.

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.

Application deadline: February 15th

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.

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Nominations can be resubmitted for up to five years after initial submission of the documents; additional documentation can be added in successive years.

Documents required: The nomination document should contain:

- (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.

To apply: 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 **Chair of the MSA Distinctions Committee**.

Note: 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.

MSA FELLOW

Members of the MSA are encouraged to submit nominations for MSA Fellows to the Chair of the Honorary Awards Committee.

Application deadline: February 15th

Requirements:

- (1) MSA Fellows are to be selected from members who have completed at least 11 years of service after their Ph.D., with no upper limit.
- (2) MSA Fellows are members who are outstanding mycologists on the basis of one or more criteria: a solid record of mycological research, and/or successful teaching and development of teaching materials for mycology, and/or significant service to the Society. This is meant to recognize a core group of mid-career mycological achievers and outstanding MSA volunteers.

Documents required:

To nominate a deserving mycologist for this Award, please submit to the **Chair of the Honorary Awards Committee**.

- (1) a one-page overview preferably as a pdf email attachment
- (2) Curriculum vitae of the individual nominated as MSA Fellow

HONORARY MEMBERS

Members of the MSA are encouraged to submit nominations for MSA Honorary Members to the Chair of the Honorary Awards Committee.

Application deadline: February 15th

Requirements:

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

Documents required:

To nominate a mycologist who resides outside of the U.S. and Canada as an Honorary Member of MSA, please submit a brief curriculum vitae and three letters of support, preferably in a single pdf file, to the **Chair of the Honorary Awards Committee**.

GRADUATE FELLOWSHIPS

Graduate Fellowships: **Two MSA Graduate Fellowships** (\$2,000 each), the **NAMA Memorial Fellowship** (\$2,000), and the **Backus Award** (\$1000) are awarded annually to promising graduate students in mycology. Applicants are evaluated on the basis of their scholastic merit, research ability, and promise shown as a mycologist. These fellowships are intended as supplementary grants and may be used by the

recipients in any way to further their graduate studies. They are awarded in addition to any fellowship or assistantship support from other sources.

Application deadline: February 15th

Award amount: One award of \$1000 and three awards of \$2,000 each.

Requirements: Applicants must be

- (1) student members of the MSA
- (2) candidates for the Ph.D.
- (3) resident during the tenure of the fellowship in a university in Canada or the United States. Previous recipients of these fellowships are not eligible to apply. The NAMA Fellowship comes with the stipulation that the awardee prepares an article for *McIlvainea*.

Documents required:

- (1) A cover letter addressing your eligibility including a statement that you have passed your qualifying exams (comprehensive, oral, preliminary, or their equivalent).
- (2) A curriculum vitae that includes a paragraph describing your training for the proposed work.
- (3) A detailed plan of study. [The text of this plan of study must be no longer than five pages including tables and figures, but not including references. Applications that include proposals exceeding the 5-page limit will not be considered. The text of this proposal should be single-spaced and printed in a regular sized font (10 cpi or 12 point). Suggestions for preparing this plan of study are provided below.]
- (4) Graduate school transcripts showing courses taken, grades received, student Social Security number, and Student ID number. Photocopies are acceptable.
- (5) Two letters of recommendation, one of which is from your supervisor or thesis advisor. Both referees must be members of MSA. We recommend that your supervisor's letter also address your eligibility based on candidacy

Your plan of study should include the following:

- 1) 200 to 250-word Abstract
- 2) Introduction that explains what you want to do and why it is interesting or important.
- 3) Methods section that convinces the reader that the project is feasible and describes how the study will be conducted.
- 4) Discussion section that explains preliminary results of your study (if any) and their significance. Be concise. Use section headings and double spacing between paragraphs to make your proposal easier to read.

To apply: Send one copy of your completed application, including items 1-4 listed above, in electronic format and preferably as a single pdf file, to the **Chair of the Student Awards Committee**. Confidential letters of reference should be sent separately to the Chair. The application will be considered to have arrived once all electronic files have been received in working order by the Chair. All documents must be in English to be considered. The student will be considered for all Graduate Fellowships mentioned above on receipt of a complete application.

Note: The Chair will appoint an ad hoc member to replace any Committee member who has a student applying for a fellowship or who otherwise feels a conflict of interest. The successful applicants will be notified upon selection (usually within four weeks of the closing date for nominations) so that they may plan to attend the awards presentation at the annual meeting. Those applicants not notified within this time were not selected as awardees, but all applicants will be notified of their status. The stipends are awarded following confirmation that the applicants meet the requirements for eligibility. The student receiving this award is expected to attend the award ceremony at the MSA annual meeting.

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MENTOR STUDENT TRAVEL AWARDS

Mentor Travel Awards: These awards are to be used for attending the 2016 **Mycological Society of America** annual meeting in Berkeley, California. The mentor awards are given in the names of some of our famous mycological forbearers.

Application deadline: February 15th

Award amount: \$500 awards

Requirements: Applicants

- (1) must be MSA student members or past student members who have been awarded the degree within one year of the annual meeting.
- (2) must be presenting a paper or poster at the meeting. Previous recipients may apply again; if applicant numbers are higher than the number of awards available, preference will be given to those who have won the award less than two times.

Documents required:

- (1) A cover letter requesting consideration for an MSA Mentor Student Travel Award. Provide telephone number and, if available, fax and email addresses, and include information on any past Mentor Travel Award(s). If matching funds are available from the applicant's institution, provide an address the committee can use to officially verify the receipt of an award.
- (2) Abstract of paper or poster (note which).
- (3) Curriculum vitae.
- (4) A one page description of the research project including an explanation of how this award will further the applicant's research/study.
- (5) A letter of support from the applicant's major professor addressing the student's abilities and potential and briefly summarizing the student's current research. To assist the judging committee in making Mentor "assignments" to award winners, inclusion of comments regarding which Mentor(s) would be most appropriate for the student are welcome but not required.

To apply: Send your application as a single electronic file, preferably in pdf format, containing all documents listed above to the **Chair of the Mentor Travel Awards Committee**.

MARTIN-BAKER AWARD

The award honors two respected teachers of mycology, both of whom had long and distinguished careers in mycology, and both of whom have faithfully served the Mycological Society of America in several capacities. It is awarded to a recent (within 5 years) Ph.D. mycologist for the support of new or ongoing research.

George W. Martin (b. 1886- d. 1971) (M.S. Rutgers University, 1915; Ph.D. University of Chicago, 1922) was associated with the Botany Department of the University of Iowa (Iowa City) from 1923 until his death in 1971. He served there as Professor, Head of the Department (1953 to 1955), and Emeritus Professor. After retirement in 1955, he was Visiting Professor for two years at the University of Illinois (Urbana), but then returned to the University of Iowa. Dr. Martin was world-reknown for his phylogenetic concepts of the fungi and related organisms and for his authoritative research and taxonomic treatments of the Myxomycetes and the Tremellales. He served as an officer of various scientific societies, was President of the Mycological Society of America (1944), was Editor-In-Chief of *Mycologia* (1950-1957), and was among the initial group honored by the Botanical Society of America with a Certificate of Merit (1956). In 1970 he received the Henry Allan Gleason Award from the New York Botanic Garden. Dr. Martin's infectious enthusiasm in teaching and research inspired students and colleagues alike. Of the 47 or more students who have received graduate degrees under his direction, at least 30 have achieved their doctorates. As his students will undoubtedly attest, Dr. Martin was a scholar who remained a man of learning, generosity, culture and a good friend.

Gladys E. Baker (M.S. University of Iowa, 1932; Ph.D. Washington University, St. Louis, 1935) taught at Vassar College from 1941 to 1961, and served 13 years as Chair of the Plant Science Department where she directed 3 graduate students. She offered the first course in medical mycology at seven women's colleges. She is a charter member of the Medical Mycological Society of the Americas and a fellow of A.A.A.S. From 1961 to 1973 she taught at the University of Hawaii, Manoa. There she supervised 13 graduate students for advanced degrees in both general and medical mycology. Students remember her as an effective and enthusiastic teacher, a scientist with the highest integrity, and a warm and caring friend. Fellow mycologists still admire her memorable work; the 21 illustrated plates in *MacBride & Martin, THE MYXOMYCETES* (1934); the Antarctic Lichens (1938) with C.W. Dodge; the nuclear behavior and monographic studies of the genus *Helicogloea*; and the cytology and ecology of microfungi.

Application deadline: February 15th

Requirements: As an underlying philosophy, the initiators of this fund would give preference to:

- (1) support for good research by an individual in a small department, who, because of heavy teaching schedules, may find it difficult to attract major grant support.
- (2) a recent (within the past five years) PhD mycologist.
- (3) research in areas of expertise related to the works of Drs. Martin and Baker and which includes a field component. Grants should not be given for indirect costs, but should be applied directly to research needs. Funds are not to be awarded for travel to meetings, although research related travel may be supported, if adequately justified. This award is made directly to the individual and is not an institutional award.
- (4) Recipients of grant awards are expected to submit to the MSA Research Awards Committee a report of their use of grant funds and the results of their research efforts. The latter may be in the form of a reprint of a published work.

Award amount: approximately \$2000

Documents required:

- (1) Cover letter.
- (2) Curriculum vitae, with publication list and alternative support sources.
- (3) Research proposal not to exceed three single-spaced pages including references and a proposed budget.

To apply: Send all items listed above in a single electronic file, preferably in pdf format, to the **Chair of the MSA Research Awards Committee**. A CD with the PDF file and a hard copy of the application would be appreciated, as they may be useful in case there are problems with the electronic file. The application will be considered to have arrived once all electronic files have been received in working order by the Chair. All application materials must be in English to be considered.

CLARK T. ROGERSON STUDENT RESEARCH AWARD

The purpose of this award shall be to support student travel to herbaria and/or field sites to conduct research. Grants are available to undergraduate or graduate students who are members of the Mycological Society of America.

Application deadline: February 15th

Award Amount: \$1000.

Documents required:

- (1) Cover letter.
- (2) Curriculum vitae.
- (3) A description not to exceed three single-spaced pages of the research project, including an explanation of how this award will further the applicant's research.

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(4) A letter of support from the applicant's major professor or mentor addressing the student's abilities and potential and briefly summarizing the student's research and the appropriateness of the award.

To apply: Send all of the items listed above in a single electronic file, preferably in electronic format to the **Chair of the Research Awards Committee**. Confidential letters of reference may be submitted separately and directly from the referee to the Chair. A CD with the PDF file and a hard copy of the application would be appreciated as they may be useful in case there are problems with the electronic file. The application will be considered to have arrived once all electronic files have been received in working order by the Chair. All documents must be in English to be considered.

Note: The student receiving this award is expected to attend the award ceremony at the MSA annual meeting.

FOREST FUNGAL ECOLOGY RESEARCH AWARD

This award supports ecological studies of fungal interactions in old growth forests or other unique or endangered ecosystems. Proposals should address innovative approaches to examining fungal systems or interactions of individuals, or groups of fungi, with hosts or substrates in old growth forests or other sensitive ecosystems. Floristic and systematic studies will not be considered.

Application deadline: February 15th

Award Amount: We anticipate granting several awards ranging from \$1250-\$2,500 each

Requirements: Applicants must be students working on their Masters or Ph.D. degrees or be recent recipients of a Ph.D. Honors theses for BA/BS degree students may be considered. Applicants must be current members of MSA.

Documents required:

- (1) Cover letter
- (2) Proposal of not more than 6 single-spaced pages that includes the rationale for the study and the hypotheses to be tested, a detailed description of the site to be studied, methodologies to be used, description of the study design, including specifics on the time line to complete the proposal (generally one year), and a plan for dissemination of results.
- (3) A letter of support from the major professor.
- (4) Copy of the permit or letter requesting a permit if it is needed to work in a sensitive site.

To apply: Send all items listed above in a single electronic file, preferably in pdf format to the **Chair of the Research Awards Committee**. Confidential letters of reference may be submitted separately and directly from the referee to the Chair. A CD with the PDF file and a hard copy of the application would be appreciated as they may be useful in case there are problems with the electronic file. The application will be considered to have arrived once all electronic files have been received in working order by the Chair. All documents, with the exception of the collecting permit, must be in English to be considered.

Note: The student receiving this award is expected to attend the award ceremony at the MSA annual meeting.

FOREST FUNGAL ECOLOGY POSTDOCTORAL RESEARCH AWARD

This award supports ecological studies of fungal interactions in old growth forests or other unique or endangered ecosystems.

Application deadline: February 15th

Award amount: We anticipate granting several awards ranging from \$1250-\$2,500 each.

Requirements: Applicants must be MSA members who have received their PhD within the past 5 years, who have made significant contributions to our understanding of Forest Fungal Ecology during that time, and who are currently engaged in work in the area as a postdoctoral researcher.

Documents required:

- (1) Cover letter should address the significance of the completed and current work in Forest Fungal Ecology.
- (2) Current curriculum vitae that includes a list of publications and other products that demonstrate the contribution of the candidate to Forest Fungal Ecology.
- (3) Two letters of support should address the significance of the completed and current work in Forest Fungal Ecology.

To apply: Send all items listed above in a single electronic file, preferably in pdf format to the **Chair of the Research Awards Committee**. Confidential letters of reference may be submitted separately and directly from the referee to the Chair. A CD with the PDF file and a hard copy of the application would be appreciated as they may be useful in case there are problems with the electronic file. The application will be considered to have arrived once all electronic files have been received in working order by the Chair. All documents must be in English to be considered.

Note: The postdoc receiving this award is expected to attend the award ceremony at the MSA annual meeting.

TRANSLATIONAL MYCOLOGY RESEARCH AWARD

This award supports studies on the use of fungi to solve environmental, industrial or medical problems, advancing better solutions than currently practiced.

Application deadline: February 15th

Award Amount: We anticipate granting several awards ranging from \$1250-\$2,500 each.

Requirements: Applicants must be students working on their Masters or Ph.D. degrees or be recent recipients of a Ph.D. Honors theses for BA/BS degree students may be considered. Applicants must be current members of MSA.

Documents required:

- Cover letter
- Proposal of not more than 6 single-spaced pages that includes the rationale for the study and the hypotheses to be tested, a detailed description of the research problem being addressed, methodologies to be used, description of the study design, including specifics on the time line to complete the proposal (generally one year), and a plan for dissemination of results.
- A letter of support from the major professor.
- Copy of the permit or letter requesting a permit if it is needed to work in a sensitive site.

To apply: Send all items listed above in a single electronic file, preferably in pdf format to the **Chair of the**

Research Awards Committee. Confidential letters of reference may be submitted separately and directly from the referee to the Chair. A CD with the PDF file and a hard copy of the application would be appreciated as they may be useful in case there are problems with the electronic file. The application will be considered to have arrived once all electronic files have been received in working order by the Chair. All documents, with the exception of the collecting permit, must be in English to be considered.

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Note: The student receiving this award is expected to attend the award ceremony at the MSA annual meeting.

TRANSLATIONAL MYCOLOGY POSTDOCTORAL RESEARCH AWARD

This award supports studies on the use of fungi to solve environmental, industrial or medical problems, advancing better solutions than currently practiced.

Application deadline: February 15th

Award amount: We anticipate granting several awards ranging from \$1250-\$2,500 each.

Requirements: Applicants must be MSA members who have received their PhD within the past 5 years, who have made significant contributions to our understanding of Translational Mycology during that time, and who are currently engaged in work in the area as a postdoctoral researcher.

Documents required:

Cover letter should address the significance of the completed and current work in Translational Mycology.

Current curriculum vitae that includes a list of publications and other products that demonstrate the contribution of the candidate to Translational Mycology.

Two letters of support should address the significance of the completed and current work in Translational Mycology.

To apply: Send all items listed above in a single electronic file, preferably in pdf format to the **Chair of the**

Research Awards Committee. Confidential letters of reference may be submitted separately and directly from the referee to the Chair. A CD with the PDF file and a hard copy of the application would be appreciated as they may be useful in case there are problems with the electronic file. The application will be considered to have arrived once all electronic files have been received in working order by the Chair. All documents must be in English to be considered.

Note: The postdoc receiving this award is expected to attend the award ceremony at the MSA annual meeting.

ALEXANDER H. AND HELEN V. SMITH RESEARCH AWARD

The primary purpose of the fund shall be to encourage the study of specimens of macrofungi –fleshy basidiomycetes and ascomycetes –collected by Alexander H. Smith and his associates. These collections and materials relating to them, are currently deposited at the University of Michigan Herbarium. The fund will distribute grants-in-aid to cover all or a significant part of the expense of visiting the Herbarium and working with the collections and materials relating to them.

Application deadline: February 15th

Award amount: \$1200

Requirements: Grants may be made available to members of the Mycological Society of America who are working actively on the taxonomy or floristics of the fleshy fungi, with the main emphasis on supporting high quality research. Professional and trained “amateur” (i.e. para-professional) mycologists are eligible and are encouraged to submit proposals. The individual should be at a point in their studies where having full access to Alex’s material would advance the applicant’s work. These grants are not intended for preliminary studies of possible lines of investigations.

Documents required:

- (1) A proposal indicating how the study of Alex’s specimens and manuscripts would advance the applicant’s work.
- (2) An estimated budget to cover all or part of the anticipated expenses (e.g. travel, per diem, copying, etc.).
- (3) A current curriculum vitae.

Agreement of the Director of the University of Michigan Herbarium (or its successor as custodian for Alex’s specimens and materials relating to them) to have the potential recipient(s) work there must be obtained before the grant is awarded. In the event there are no suitable applications requesting the utilization of Alex’s collections for floristic or monographic studies, the Awards Committee, at its discretion, may award grants to support field work on the fleshy fungi of North America, or for other types of studies on the fleshy macrofungi of North America. If support for a field project is awarded to an applicant, duplicate/representative collections resulting from the field work are to be deposited at the University of Michigan Herbarium. Prior arrangement should be made with the Director of the Herbarium. Recipients of these grants-in-aid are asked to provide the University of Michigan Herbarium with copies of any publications that result from this support. A summary of activity should be forwarded to the Awards Committee in a timely manner. In compliance with Internal Revenue Service Regulations, the grant recipient must submit all original receipts of expenditures of grant funds to the Treasurer of the MSA. The receipt of documented expenditures by the Treasurer may be necessary before complete funding of the proposal will be made.

To apply: Send all items listed above in a single electronic file, preferably in pdf format to the **Chair of the Research Awards Committee.** A CD with the PDF file and a hard copy of the application would be appreciated as they may be useful in case there are problems with the electronic file. The application will be considered to have arrived once all electronic files have been received in working order by the Chair. All documents must be in English to be considered.

JOHN W. RIPPON RESEARCH AWARD

This award supports graduate student research on medically important fungi and is open to M.S. and Ph.D. degree students. Proposals should address innovative approaches to studying medically important fungi, including those that cause mycoses, mycotoxicosis, mycoallergies, and mycetismus. Studies may be clinical in nature or may encompass various research areas, such as genetics, systematics, genomics, ecology, distribution, epidemiology, mechanisms of pathogenicity, life cycles, or other appropriate areas, as long as the emphasis of the study addresses the medical importance of the fungus.

Application deadline: February 15th

Award amount: \$500

Requirements: Applicants must be students working on their Masters or Ph.D. degrees. Student must be a current member of the MSA.

Documents required:

- (1) Cover letter.
- (2) Current curriculum vitae, including career plans and a paragraph regarding training for the proposed work.
- (3) Proposal of not more than 5 single-spaced pages that includes the rationale for the study and the hypotheses to be tested, a detailed description of the fungus to be studied, methodologies to be used, description of the study design, including specifics on the time line to complete the proposal (generally one year), and a plan for dissemination of results. Students are encouraged to present their results at a MSA meeting.
- (4) Include description of how the proposed research will benefit the field of medical mycology.
- (5) Two letters of support, one of which is from the major professor.

Continued on following page

To apply: Send all items listed above in a single electronic file, preferably in pdf format to the **Chair of the Research Awards Committee**. Confidential letters of reference may be submitted separately and directly from the referee to the Chair. A CD with the PDF file and a hard copy of the application would be appreciated as they may be useful in case there are problems with the electronic file. The application will be considered to have arrived once all electronic files have been received in working order by the Chair. All documents must be in English to be considered.

Note: The student receiving this award is expected to attend the award ceremony at the MSA annual meeting.

SALOMON BARTNICKI-GARCIA AWARD

This award honors Dr. Salomon Bartnicki-Garcia and his many contributions to fungal cell biology. The award was established by contributions from several of Dr. Bartnicki-Garcia's many colleagues and admirers, including a generous donation from Novozymes Inc. Through his over forty years of research in fungal biochemistry, cell structure, and theoretical biology, Professor Bartnicki-Garcia stands as the preeminent contributor to our understanding of the fungal cell, and he has been a major influence in the careers of numerous young scientists. The goal of this award is to encourage continued participation in MSA by young mycologists who are working in the areas of biochemistry, genetics and cell biology.

Application deadline: February 15th

Award amount: \$500.

Requirements: Graduate and undergraduate students are eligible to apply. Undergraduate applicants must be carrying out senior honors research or its equivalent. Applicants must be members of MSA or must have applied for membership at the time of the award application.

Documents required:

- (1) Cover letter, which includes a description of the applicant's career goals.
- (2) Curriculum vitae.
- (3) A brief description of the research project, not to exceed one single-spaced page, explaining how the award will be used. Literature citations, if needed, should be included in the single page.
- (4) A letter of support from the applicant's major professor or mentor. For undergraduates, the letter should address the nature and promise of the applicant's career goals.

To apply: Send all of the items listed above in a single electronic file, preferably in electronic format to the **Chair of the Research Awards Committee**. Confidential letters of reference may be submitted separately and directly from the referee to the Chair. A CD with the PDF file and a hard copy of the application would be appreciated as they may be useful in case there are problems with the electronic file. The application will be considered to have arrived once all electronic files have been received in working order by the Chair. All documents must be in English to be considered.

Note: The student receiving this award is expected to attend the award ceremony at the MSA annual meeting.

UNDERGRADUATE RESEARCH AWARD

This award will be offered for student research covering any topic related to fungal biology (and organisms traditionally studied by mycologists) including: medical mycology, cell biology, physiology, systematics, evolution, genomics and ecology. The undergraduate student awardee will conduct independent or directed research under the guidance of a research mentor. This award is open to all undergraduate students with sophomore, junior, or senior standing. The selection of award recipients will be based on the merit of the proposed research with special attention given to the potential of the student to contribute to existing knowledge of fungal biology. Award decisions will be based

on the quality of the application and the qualifications of the individual undergraduate student who is applying. The fellowships will be selected based on scholastic achievements (with a copy of transcripts), a research proposal outlining the planned project and timeline (limited to 2 pages including references cited), and a letter of recommendation from the research mentor. The Student Award Committee will select the recipient each year.

Application deadline: February 15th

Award Amount: \$500

Eligibility: Applicants must be an undergraduate student with sophomore, junior, or senior standing who is conducting research on a fungal biology topic. Successful applicants will have the support of a faculty mentor.

Documents required:

- (1) Copy of college or university transcripts.
- (2) A research proposal outline the project and timeline (2 page limit, including references).
- (3) A letter of recommendation from the research mentor.

To apply: Send all items listed above in a single electronic file, preferably in pdf format to the **Chair of the Student Awards Committee**. Confidential letter of recommendation may be submitted separately and directly from the research mentor to the Chair.

Note: The student receiving this award is expected to attend the award ceremony at the MSA annual meeting.

EMORY SIMMONS RESEARCH AWARD

The Emory Simmons Research Award is open to members of the Mycological Society of America for the study of classification of dematiaceous anamorphs of ascomycetes.

Application deadline: February 15, annually beginning in 2015 until no later than 2024.

Award Amount: approximately \$10,000.

Requirements:

- (1) The applicant must be a current member of MSA.
- (2) A single pdf file must be submitted consisting of i) cover letter, ii) 5 page maximum proposal for the study, iii) budget, and iv) current curriculum vita, to the Chair, Research Awards Committee, for distribution to the committee.

To apply: Send all items listed above in a single pdf file to the **Chair of the Research Awards Committee**.

Note: A detailed final report is due to the Chair, Research Awards Committee, within two years of receiving the award. The proposal will be judged on originality and the possibility to advance the field. Applicants who are not chosen for the award in the year in which they apply can reapply, but the award can be won only once.

Establishment of the Award:

A bequest by Emory Simmons specified that the Mycological Society of America establish a research award in his name for "research on classification of dematiaceous anamorphs of Ascomycetes." According to the will, award recipients are to be selected by the Research Awards Committee. Up to one award will be given annually for no more than ten (10) years. The award was first offered in 2015 and will be depleted by 2024. An award will not be given when appropriate applicants have not applied. The portion of funds retained in any non-award year, as well as earned interest, are to be transferred to the Uncommitted Endowment Fund of the Society.

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Emory Guy Simmons attended schools in Crawfordsville, Indiana, and graduated from Wabash College in Crawfordsville (1941). He served in the U.S. Army (1942-1945) in the North Africa and Italy campaigns during World War II in photographic units. After the war, Emory attended DePauw University, Greencastle, where he received a Master of Arts degree (1946). Over the next four years Emory worked on a Ph.D. at the University of Michigan. Although his advisor, L. E. Wehmeyer, was not very encouraging of his using cultural methods to study ascomycetes, Emory persisted in order to determine the variation in fungi grown on different media and establish teleomorph—anamorph connections, based on observations from single ascospore cultures. After completing his degree at Michigan (1950) Emory was an instructor at Dartmouth College (1950-1953) but spent much of his official career as Head of the Mycology Group and Research Microbiologist and Director of the U.S. Army Quartermaster Culture Collection of Fungi (1953-1974). One culture from the collection, QM 6a, was misnamed for many years, until Emory made comparisons to conclude that the well-known mold was undescribed; he named it *Trichoderma reesei*. *Trichoderma reesei* has many biotechnological applications including use in the manufacture of “stone washed” jeans.

Emory was a lover of music, art, literature, travel, especially to Thailand, and mycological friends. He drank Johnnie Walker Red blended whisky, often as he played the piano before dinner, but he always ended the day with a bowl of ice cream. His six-pound book on *Alternaria* was completed when he was 89. Emory continued to study fungi in his basement laboratory until he died at 93 years old. (Read more about Emory in *Mycologia* and on line: Blackwell, M., A. Y. Rossman, M. Palm, P. W. Crous. 2014. Emory Guy Simmons 1920–2013. *Mycologia* 106:610-614; <http://lsb380.plbio.lsu.edu/Emory%20memorial/Emory.html>).

ROBERT W. LICHTWARDT STUDENT RESEARCH AWARD

The Robert W. Lichtwardt Award is open to student members of the Mycological Society of America for research on fungi and organisms traditionally studied by mycologists that are symbiotic with arthropods (ranging from parasitic to mutualistic). Specific methods and research topics are unrestricted in the spirit of advancing our current understanding of the biology of the organism and the system of interest.

Dr. Lichtwardt was born as a U.S. citizen in Brazil in 1924; his Portuguese would come forth in dialog to surprise many for decades thereafter. He attended Oberlin College as an undergraduate, with M.S. and Ph.D. degrees from the University of Illinois in 1951 and 1954. In 1957 he took an academic position at The University of Kansas where he remained for his academic career. He chaired the Dept. of Botany in the early 1970's and 1980's before attaining Professor Emeritus in 1995 and after which time he would train two more of his 16 Ph.D. students. An Honorary Life Member of the MSA beginning in 1973, he served as President of the society 1971-72 and was Editor-in-Chief of *Mycologia* from 1965-70. He received the MSA's Weston Award for Teaching Excellence in 1982 and Distinguished Mycologist Award in 1991. A mycologist at heart, his interests include Fungi that parasitize or are symbiotically associated with insects. In 1986, he published the monograph on Trichomycetes, gut-dwelling endobionts of various arthropods, a volume which is now maintained online. Many of his more than 150 published papers are in trichomycetology. He trained and mentored students and colleagues in his own laboratory and at other locations around the world on this and other topics. His approach and manner, genuine and sincere, have inspired many “students of Mycology” and left them with the desire to want to do the same. This Award in his name is established, with a sense of appreciation and gratitude, both to honor this legacy of achievement and to foster continued achievements for generations to come.

Application deadline: February 15, 2016. This is established as a perpetual award, intended to be awarded annually, but future awards will depend on the availability of additional funds from this endowment and/or additional and ongoing donations received for this fund by the founding donor or others.

Award Amount: \$1,000

Apply to: the Chair, Research Awards Committee

Eligibility: This award is offered annually to a promising student of mycology. Students must be members of the MSA, with preference given to M.S. or undergraduate degree seeking students. Ph.D. candidates will be considered secondarily. The R.W. Lichtwardt fellowship may fund smaller, independent and/or exploratory projects or be used as a supplement to a larger grant. However, the recipient is encouraged to use funds any way (e.g., personal expenses) that best furthers the applicant's studies and mycological career. Preference will also be given to students enrolled in an academic institution in North America.

Applicants who are not chosen for the award in the year in which they apply can reapply; previous award winners may reapply as well, but preference will be given to equally deserving proposals from those that have not received it before.

Requirements:

1. A cover letter demonstrating your ability, long term interests and clarification of your current academic standing, advisor or academic mentor, academic institution and research facilities or location of the study.
2. A curriculum vitae that includes a paragraph describing your training for the proposed research.
3. A detailed Plan of Study that must be no longer than five pages (excluding tables and figures).
4. Transcripts showing courses taken, grades received, and student ID number. Photocopies or scanned images are acceptable if signed by your academic supervisor or mentor.
5. Two letters of recommendation, one being from your supervisor AND at least one of these from a member of the MSA. We recommend that your supervisor's letter also address your progress and target date of completion both for the degree and project (i.e., including confirmation of your enrollment in good standing and access to research or facilities required to conduct the research proposed).

Plan of study should include the following:

1. An abstract of 200-250 words on a single and separate page.
2. An Introduction that explains the research performed and why it is interesting or important. Methods section that convinces the committee that the project is feasible and describes how the study is conducted and Discussion section that explains the preliminary results of your study (if any) and their significance in 2 pages.
3. Other section headings may be included, as needed (i.e. an additional, third page may be used for Tables and Figures).
4. References cited included as a separate, single page.
5. Budget & Justification sections should be included as a separate, additional page.

To apply: Send your completed application, including all items above (1-4) in the order specified in the Requirements, as a single pdf file to the Chair of the MSA Research Award Committee. Referees providing letters of recommendation should be instructed to send their letters by email as a pdf file directly to the Chair of the Research Awards Committee. All documents must be written in English to be considered.

Note: In cases where any member of the committee has a student applying for the fellowship or who otherwise may have a conflict of interest (COI), the Chair of the Research Awards committee may EITHER 1) allow the member in COI to submit a ranked list of applicants and then have the members who are NOT in COI make the decision OR appoint an ad hoc committee member to replace the member with the COI.

The successful applicant will be notified upon selection so that they may plan to attend the awards presentation at the annual meeting. Applicants that are not notified within a few weeks were not selected as awardees but all applicants will be notified of their status.

Xylariaceae experts hosted at University of Oregon

Bitty Roy's lab in the Institute of Ecology and Evolution (IE²) of the Biology Department just hosted an eminent expert in fungal systematics from Taiwan, Dr. Yu-Ming Ju. He gave a seminar and held a workshop for people to work with him on identifying specimens. He was joined by colleague Dr. Jack D. Rogers, emeritus professor from Washington State University, Pullman, who was Dr. Ju's own doctoral advisor. Together, these two professors are the world's leading taxonomists for the Xylariaceae. We worked with fungi from Asia, Africa, and the Americas. Several species of *Xylaria* were determined to be "new" (undescribed), and we also uncovered several new records for Oregon, including a rare species (*Nemania kellermanii* (Rehm) Y-M Ju & JD Rogers; <http://mushroomobserver.org/219934>), found by Roo Vandegrift, Danny Newman, Patty Kaishian, and Daniel Thomas, that had only been collected once before, more than 100 years ago in Ohio. Until now, this species has only been known from the type specimen.

—Bitty Roy



Xylaria workshop, photographed by Dean Walton. Starting at the lower right and moving counterclockwise: Dr. George C. Carroll (UO), Dr. Jack D. Rogers (WSU), Dr. Bitty A. Roy (UO), Dr. Yu-Ming Ju (Academia Sinica, at microscope), Ron Hamill, Danny Newman, Josh Kielsmeier-Cook (PhD student at University of Minnesota, standing), Susie Holmes (faculty at Lane Community College), Dr. Amy Rossman (recently retired from USDA), Roo Vandegrift (PhD student at UO) and Aaron Nelson (undergraduate student at UO).

Martin F. Stoner (1942-2014)

Biology Professor Emeritus Martin (Mart) Stoner, who taught plant pathology at Cal Poly Pomona from 1967 to 2008, has died. He was 72.

A graduate of Temple City High, Stoner received his Bachelor of Science degree in biology from Cal Poly Pomona in 1963. He later earned his doctorate in plant pathology with a special emphasis on mycology from Washington State University in 1967.

During his career, Stoner developed a reputation as a respected consultant and forensic expert on subjects that included wood-rotting fungi, toxic molds, mushroom poisoning and plant diseases.

He was named Outstanding Alumnus by the Cal Poly Pomona College of Science in 1982 and received a Lifetime Achievement Award at the Soilborne Plant Pathogens Conference in 2014.

His interest in fungi and plants also led him to Hawaii, where he worked on a National Science Foundation project during the summers of 1972-1976, served as a visiting professor at the University of Hawaii, and studied native Hawaiian plants and camellias. He even developed his own cranberry-coral-colored camellia cultivar, which will soon be available for purchase at Monrovia Nursery locations.

In addition to his passion for plants and fungi, Stoner was an accomplished organist: he helped bring a Wurlitzer pipe organ to Kellogg House Pomona and had a Wurlitzer theater organ in his own home. He also had an interest in trains, antiques and collecting padlocks, and he enjoyed drawing.

Stoner did not want a funeral and asked that he be cremated and his ashes scattered off the Southern California coast.

From: PolyCentric: University News Center May, 2014.



MSA STUDENT SECTION



Welcome your new
Student Section
Executive Board

Heres to another
great year

Chair Jessie Uehling, Vice Chair Chris Smyth, Secretary Ryan Deaver, Treasurer Adriana Romero-Olivares, Communication Chair Donald Nelsen, Webmaster Terry Torres-Cruz, Postdoctoral Representative Tanya Cheeke, Past Chair Danny Haelewaters

MYCOLOGIST'S BOOKSHELF

We have two reviews for this issue of Bookshelf. And while we have no new books for review, we still have quite a few available for review. If you are interested in reviewing a book, or know of one that should be reviewed for *Inoculum*, please 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 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. You'll note that there is a long list of books that are out to reviewers but for which we have yet to receive the reviews. Remember that the publishers who provide these books free of charge, do so with the very reasonable expectation that the book will be read and reviewed, and the review published. Please, get these reviews done so we can honor our agreements with the publishers, and ensure that we continue to get review copies. If you have changed your mind about doing the review, please contact me, and we can arrange to get the book to someone else.

—Bob Marra

Books in Need of Reviewers

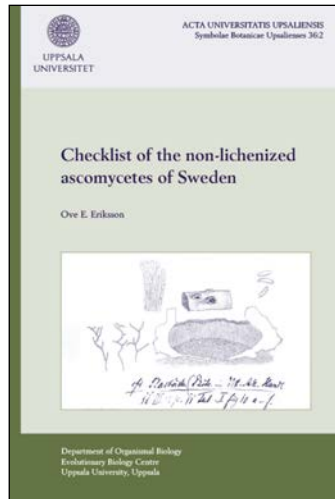
- **Antifungals: From Genomics to Resistance and the Development of Novel Agents.** Alix T. Coste and Patrick Vandeputte, (Eds.). Caister Academic Press, Portland, OR. ISBN 978-1-910190-01-2 (hardback); 978-1-910190-02-9 (Ebook). 334 pp. Price: \$319 (hardbook or Ebook).
- **Species diversity in Aspergillus, Penicillium and Talaromyces.** 2014. Robert A. Samson, Cobus M. Visagie and Jos Houbraken (Eds.). CBS Studies in Mycology No. 78. CBS Fungal Biodiversity Centre. <http://www.cbs.knaw.nl/>. ISBN: 978-94-91751-00-4. 451 pp, fully illustrated with color pictures (A4 format). Price: € 75 (paperback).
- **Fungal pathogens of food and fibre crops.** 2014. P.W. Crous and J.Z. Groenewald (Eds.). CBS Studies in Mycology No. 79. CBS Fungal Biodiversity Centre. <http://www.cbs.knaw.nl/>. ISBN: 978-94-91751-00-4. 288 pp, fully illustrated with color pictures (A4 format). Price: € 65 (paperback).
- **Hypocrealean lineages of industrial and phytopathological importance.** 2015. L. Lombard, J.Z. Groenewald and P.W. Crous (Eds.). CBS Studies in Mycology No. 80. CBS Fungal Biodiversity Centre. <http://www.cbs.knaw.nl/>. ISBN: 978-94-91751-00-4. 245 pp, fully illustrated with color pictures (A4 format). Price: € 70 (paperback).
- **Mushrooms of Nepal.** 2nd edition. 2014. Mahesh Kumar Adhikari. Published by K. S. Adhikari, Kathmando, Nepal. ISBN 99933-545-0-3. 340 pp., including 24 pp. of color photographs. Price: NRs: 1500; US\$ 35 (paperback).
- **The Genus Tricholoma.** 2013. Fungi of Northern Europe, v.4. Morten Christensen and Jacob Heilmann-Claassen. Koeltz Scientific Books, Koenigstein, Germany. www.koeltz.com. ISBN: 978-8-798-35818-3. 228 pp, with color illustrations. Price: € 56 (hardcover).
- **Microbial Carotenoids from Fungi: Methods and Protocols.** 2012. Jose-Luis Barredo (Ed.). Humana Press (Springer). www.springer.com. ISBN: 978-1-61779-917-4. 290 pp, 51 illus., 9 in color. Price: \$119 (hardcover); \$94.99 (e-book).
- **Plant Fungal Pathogens: Methods and Protocols.** 2012. Melvin D Bolton, Bart PHJ Thomma (Eds.). Part of the “Methods in Molecular Biology” series, v.835. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-1-61779-5008. 769 pp, 138 illus., 74 in color. Price: \$159.00 (hardcover).

Books with Reviewers Assigned

- **FunKey: an Interactive Guide to the Macrofungi of Australia. Key to Agarics.** 2014. T. W. May, K. Thiele, C. W. Dunk, S. H. Lewis. Identic, Brisbane and ABRIS, Canberra. <http://shop.lucidcentral.org/>. ISBN 978-0-642-56877-9. 1200+ color images for 159 taxa and 383 character states. Price: \$53.32 (USB 2.0 Key). (Also available as an app for iPhones and Androids. More information to follow.) *Reviewed this issue.*
- **Checklist of the non-lichenized ascomycetes of Sweden.** 2014. Ove Eriksson. *Symbolae Botanicae Upsalienses* 36(2). Uppsala University Library, Uppsala, Sweden. www.uu.se. ISBN 978-91-554-8870-3. 499 pp, 4 illus. Price: 414 SEK (hardcover). *Reviewed this issue.*
- **Development of *Aspergillus niger*.** 2013. J. Dijksterhuis, H. Wosten (Eds.). CBS Studies in Mycology No. 74. CBS Fungal Biodiversity Centre. <http://www.cbs.knaw.nl/>. ISBN: 978-90-70351-93-9. 85 pp, fully illustrated with color pictures (A4 format). Price: € 40 (softcover).
- **My Father in His Suitcase: In Search of E.J.H. Corner.** 2014. John K. Corner. Landmark Books Pte. Ltd., Singapore. ISBN: 978-9814189477. 452 pp. Price: \$53.41 (paperback).
- **Truffle: A Global History.** 2015. Zachary Nowak. University of Chicago Press (Reaktion Books), Chicago, IL, www.press.uchicago.edu. ISBN: 9781780234366. 128 pages, 40 color plates, 20 halftones. Price: \$18.00 (cloth).
- **Desert Truffles. Phylogeny, Physiology, Distribution and Domestication.** 2014. V. Kagan-Zur, N. Roth-Bejerano, Y. Sitrit, A. Morte (Eds.). Soil Biology Series, v.38. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-3-642-40095-7. 397 pp, 97 illus., 47 in color. Price: \$189 (hardcover). Also available as eBook pdf download, ISBN 978-3-642-40096-4, Price: \$149.
- ***Fusarium*: Genomics, Molecular and Cellular Biology.** 2013. Daren W. Brown and Robert H. Proctor, eds. Caister Academic Press, Norfolk, UK. www.caister.com. ISBN: 978-1-908230-25-6. 182 pp plus color plates. \$319 (hardcover).
- **Tricholomas of North America.** 2013. *The Corrie Herring Hooks Series No. 68*. Alan Bessette, Arleen Bessette, William Roody, Steven Trudell. University of Texas Press. <http://www.utexas.edu/utpress/>. ISBN 978-0-292-74233-8. 220 pp, 186 color photos. Price \$29.95 (softcover).
- **The Mycota, Vol. 10: Industrial Applications, 2nd ed.** 2011. Martin Hofrichter (Ed.). Karl Esser (Series Ed.). Springer. www.springer.com. ISBN: 978-3-642-11457-1. 485 pp, 152 illus. Price: \$269.00 (hardcover).
- **Edible Ectomycorrhizal Mushrooms: Current Knowledge and Future Prospects.** 2012. Alessandra Zambonelli and Gregory Bonito (Eds.). Springer. www.springer.com. ISBN 978-3-642-33822-9. 409 pp, 35 illus (16 in color). Price: \$209 (hardcover); also available as eBook pdf download, ISBN 978-3-642-33823-6, \$159.
- **Taxonomic Manual of the Erysiphales (Powdery Mildews).** 2012. Uwe Braun and R.T.A. Cook. CBS Biodiversity Series 11. <http://www.cbs.knaw.nl/>. ISBN: 978-90-70351-89-2. 707 pp, 853 figures. Price: € 80 (hardcover).
- **Biodiversity in Dead Wood.** 2012. Juha Siitonen, Bengt Gunnar Jonsson. Cambridge University Press, Cambridge, UK. www.cambridge.org. ISBN: 9780521717038. 524 pp, 92 b/w illus. 21 tables. Price: £38.00 (paperback).
- **Phytopathogenic Dothideomycetes.** 2013. P.W. Crous, G.J.M. Verkley, J.Z. Groenewald (Eds.). CBS Studies in Mycology No. 75. CBS Fungal Biodiversity Centre. <http://www.cbs.knaw.nl/>. ISBN: 978-90-70351-96-0. 406 pp, fully illustrated with color pictures (A4 format). Price: € 70 (paperback).
- **Pollination Biology.** 2012. D. P. Abrol. Biodiversity, Conservation, and Agricultural Production. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-94-007-1941-5. 792pp, 23 illus., 18 in color. Price: \$209.00 (hardcover).
- **Fungal Plant Pathogens (Principles and Protocols Series).** March 2012. CR Lane, P Beales, KJK Hughes (Eds.). CABI, Oxfordshire, UK. www.cabi.org. 978-1-8459-3668-6. 324 pp. Price: \$75.
- **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).
- **Tree Thinking: An Introduction to Phylogenetic Biology.** Available July 2012. David Baum and Stacey Smith. Roberts & Company Publishers, Greenwood Village, CO. www.roberts-publishers.com/. ISBN: 978-1-9362-2116-5. 400 pp, b&w. Price: \$60 (hardback).
- **Yeast Research: An Historical Overview.** 2011. James A. Barnett, Linda Barnett. ASM Press, Washington, DC. www.asmpress.org. ISBN: 978-1-55581-516-5. 392 pp, illus. Price: \$159.95 (hardcover).
- **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).
- **Atlas of Soil Ascomycetes.** 2012. J. Guarro, J. Gene, A.M. Stchigel and M.J. Figueras. CBS Biodiversity Series 10. <http://www.cbs.knaw.nl/>. ISBN: 978-90-70351-88-5. 486 pp, 322 figures. Price: € 70 (hardcover).
- **Texas Mushrooms: A Field Guide.** 1992 (new preface 2013). *The Corrie Herring Hooks Series No. 18*. Susan Metzler and Van Metzler (Orson K. Miller, Jr., Scientific Adviser). University of Texas Press. <http://www.utexas.edu/utpress/>. ISBN 978-0-292-75126-2. 360 pp, 249 illustrations, 2 figures, 1 map, 11 tables. Price: \$39.95 (softcover).
- **Fungal Biology in the Origin and Emergence of Life.** 2013. David Moore. Cambridge University Press. www.cambridge.org. ISBN: 978-11-07652-77-4. 236 pp, 28 b/2 illus, 2 tables. Price: \$42.99 (softcover).
- **The Mycota, v.IX: Fungal Associations.** 2012. Bertold Hock (Ed.). Springer. www.springer.com. ISBN 978-3-642-30825-3. 406 pp, 84 illus (62 in color). Price: \$269 (hardcover). Also available as eBook (pdf download), price: \$209.
- **Funga Nordica, 2nd ed. 2012. H. Knudsen and J. Vesterholt (Eds.).** Nordsvamp, Copenhagen. ISBN: 9788798396130. 1083 pp (2 volumes). Price £95, €111.15.
- **The Analysis of Biological Data.** 2009. Michael Whitlock and Dolph Schluter. Roberts & Company Publishers, Greenwood Village, CO. www.roberts-publishers.com/. ISBN: 978-0-9815-1940-1. 704 pp, full color. Price: \$80 (hardback).
- **Ophiostomatoid Fungi: Expanding Frontiers.** 2013. K. Seifert, Z. Wilhelm de Beer, M. J. Wingfield (Eds.). CBS Biodiversity Series 12. <http://www.cbs.knaw.nl/>. ISBN: 978-90-70351-94-6. 337 pp, fully illustrated. Price: € 75 (hardcover).
- **Neurospora: Genomics and Molecular Biology.** January 2013. D. P. Kasbekar and K McCluskey (Eds.). Horizon Press. <http://www.horizonpress.com>. ISBN: 978-1-908230-12-6. 294 pp, w/illus. Price: \$319 (hardback).
- **Indian Coelomycetes.** 2012. J. Muthumary. MJP Publishers, New Delhi, India. <http://www.mjppublishers.com/index.html>. ISBN: 978-81-8094-162-7. 366 pp, illustrations and photomicrographs. \$50 (hardcover).
- **The Kingdom of Fungi.** 2013. Jens H. Petersen. Princeton University Press. <http://press.princeton.edu/>. ISBN: 978-06-91157-54-2. 256 pp, 800+ color photos. \$29.95 (cloth). Also available as eBook.
- **A Primer of Botanical Latin with Vocabulary.** Available March 2013. Emma Short & Alex George. Cambridge University Press. www.cambridge.org. ISBN 978-11-07693-75-3. 102 tables, 21 exercises. Price £24.99 (paperback).
- **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).
- **Plant Fungal Pathogens: Methods and Protocols.** 2012. Melvin D Bolton, Bart PHJ Thomma (Eds.). Part of the "Methods in Molecular Biology" series, v.835. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-1-61779-5008. 769 pp, 138 illus., 74 in color. Price: \$159.00 (hardcover).
- **Endophytes of Forest Trees: Biology and Applications.** 2011. Anna Maria Pirttila, Carolin Frank (Eds.). Forestry Science Series, v.80. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-94-007-1598-1. 322 pp, Price: \$209.00 (hardcover). also available as eBook pdf download, ISBN 978-94-007-1599-8, \$159.
- **Laboratory Protocols in Fungal Biology: Current Methods in Fungal Biology.** Avail June 2012. Vijai Kumar Gupta, Maria Tuohy, Eds. Springer-Verlag, Berlin. www.springer.com. ISBN: 978-1-4614-2355-3. 802 pp, 105 illus., 40 in color. Price: \$279.00 (hardcover). *Review Copy online only; hardcover copy provided following receipt of published review.*

Checklist of the non-lichenized ascomycetes of Sweden

Checklist of the non-lichenized ascomycetes of Sweden. 2014. Ove Eriksson. *Upsaliensis Symbolae Botanicae Upsalienses* 36(2). Uppsala University Library, Uppsala, Sweden. www.uu.se. ISBN 978-91-554-8870-3. 499 pp, 4 illus. Price: 414 SEK (hardcover).



Still bearing the scars from compiling a somewhat similar checklist for the UK in the 1980s, I have a better understanding than most of the sheer amount of work that goes into such publications. An authoritative list of the species known to be present is an essential tool for those working in biodiversity and conservation. With the possible exception of the UK, Sweden is probably the best-studied country in the world for the *Ascomycota*, and this checklist is a model for others to follow.

Following an introduction that explains the format of the checklist itself and the classification adopted, genera and species are listed alphabetically with short notes for each species including name and synonyms, literature references to Fries's works (indicated separately) and other publications, exsiccata from Sweden, notes on habitat and distribution, and teleomorph/anamorph links. Following the main body of the work are about thirty pages of notes on species and a somewhat shorter list of excluded taxa. References

take up 56 pages, and the index to epithets more than 100. 2935 species from 797 genera and 160 families are included. Lichenized and lichenicolous fungi are excluded as they have their own checklist (published by the late Rolf Santesson in 2004), and yeasts are hardly considered. Three new fungal names are presented: *Massarina abieticola*, *Niptera bispora* and *Neottiella janthina*.

The standard of compilation of the main checklist is high, with information presented in a very concise but generally clear format. While I confess to not having read all of every page, I found the quality of proofreading to be excellent, and it would be churlish to draw attention to the very few failings in this department. I was less convinced by the Notes on Species section. While some of these provide useful additions and explanations to the main text, many read like internal notes on matters that should really have been resolved before publication. Here and in the section on excluded species, typographical and grammatical errors are more prevalent, reinforcing the impression of a work in progress.

Publications of this type are valuable snapshots of our state of knowledge, but become outdated almost instantaneously – a particular concern as our understanding of *Ascomycota* phylogeny is increasing so rapidly, and as the recent ground-breaking changes in the nomenclatural rules for pleomorphic taxa take hold. Publication in an online database format would allow for continual updating, but that requires continual dedication to the task. A formally published checklist has the benefit of focusing attention on the state of the art, and for that reason I welcome this work and congratulate the author for the years of devoted research that has led to its production.

—Paul Cannon

FunKey: an Interactive Guide to the Macrofungi of Australia

FunKey: an Interactive Guide to the Macrofungi of Australia. Key to Agarics. 2014. T. W. May, K. Thiele, C. W. Dunk, S. H. Lewis. Identic, Brisbane and ABRs, Canberra. <http://shop.lucidcentral.org/>. ISBN 978-0-642-56877-9. 1200+ images (numerous in color) for 159 taxa and 383 character states. Price: \$64.90 (USB 2.0 Key). US \$53.32

FunKey is a computer application for identifying the agarics of Australia. This is Version 1.0; successive versions are expected to include other groups of macro-fungi, such as boleti, polypores, puffballs, and truffles. The FunKey software is stored on a small, portable “card key” device, about the size of a credit card, with a side compartment that folds out to reveal a USB flash drive compatible with any computer with a USB port.

FunKey is a computerized multi-access key. Unlike the fixed structure of dichotomous keys, multi-access keys enable users to freely select from sets of characteristics that are convenient for evaluating items to be identified. Users



Continued on following page

eliminate choices based upon features observed in specimens until only one choice remains, yielding a tentative ID.

FunKey's style of identification software offers a wide range of criteria for comparing your material, such as macroscopic features, microscopic features, substrates, habitats, associated vegetation, and distribution maps. For the macroscopic features, the application has a complete set of illustrations to choose from for comparing pileus, lamellae, spore colors, veils, volva, stipes, fruiting body attachments, and also sclerotia. There is a full range of detailed illustrations for comparing microscopic features, as well as distribution maps for seven separate regions of Australia (including Tasmania).

Computerized multi-access keys like this are meant for scientists and students of science. This program and its keys require some level of scientific competency. It also requires some basic knowledge about how to operate computers.

Overall, these modules are a promising addition to any modern mycologist's toolbox, but the esthetics of this application need refinement and simplification. Squinting and looking too close at the computer monitor occurs because the font-size is small, and also, the photographs cannot be zoomed-in or enlarged. The title says this is an "interactive guide" and that is misleading in this day and age, because FunKey is not (yet) a fully-interactive program. There is no audio, there is no video, no hyperlinks, no computer attendant for welcoming and guiding users through identifications, and, this program is not yet integrated with the internet.



FunKey is also available as an "app" for smart phones. The app includes a multi-access key identical to the USB card key reviewed here. The only real difference with the phone app is that it lacks some introductory "how-it-all-works" reading materials accompanying the card key version. However, for anybody savvy with mycology and basic computer operations, those introductory reading materials are relatively unnecessary. The app can be downloaded to Android and iPhone devices; \$8.51US from GooglePlay, \$6.99US from iTunes.

—Neil Dollinger
State College of Florida
ndolling@student.scf.edu

MYCOLOGICAL CLASSIFIEDS

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

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MYCOLOGICAL JOBS

Head: Department of Botany and Plant Pathology

Position: Purdue University invites applications and nominations for the position of Head and Professor, Department of Botany and Plant Pathology in the College of Agriculture.

Responsibilities: The Head is expected to provide vision, leadership, and administration in support of the land-grant missions of teaching, research, and extension, and promote the Department in university, regional, national, and international arenas. The Head will provide leadership and supervision to the Department to cultivate an environment supportive of faculty and staff aspirations and activities. The candidate should be committed to promoting interdisciplinary research and educational opportunities, and enhancing the diversity of the faculty, students, and staff consistent with university efforts.

Qualifications: The successful candidate must have an earned doctoral degree and an outstanding record of scholarly achievement in a discipline relevant to the department with an established record of effectiveness in teaching, research, and/or extension. Candidates must qualify for the rank of full professor with tenure in the Department. Experience in a land-grant university is preferred. The person must be skilled in building teams, in managing interdisciplinary programs in research, extension, or education, and be able to relate to diverse groups

including students, alumni, and clientele/general public.

Application Procedure: Qualified persons are requested to submit a letter of interest that addresses the applicant's administrative philosophy emphasizing their vision for fostering research, teaching, and extension; and their experiences and qualifications in leadership, strategic planning, and development. Include a complete curriculum vitae and the names and contact information of five references. Initial nominations and inquiries will be kept confidential; references will be contacted only upon the applicant's approval. Nominations of outstanding individuals for the position are welcome. A background check is required for employment in this position.

Applications, nominations, and inquiries should be addressed to Dr. Joe Anderson, Search Committee Chair, Department of Botany and Plant Pathology Head Search Committee, Purdue University, Office of the Dean of Agriculture, 615 W. State Street, West Lafayette, IN 47907-2053. Electronic submission is preferred and should be sent to rdr@purdue.edu. The search committee will begin reviewing applications beginning January 11, 2016 and will continue until a suitable candidate is selected. Questions regarding the position may be sent to Joe Anderson at (765) 494-4774 (janderson@purdue.edu).

***Dr. Buller peered down at a spore
then gave a great shout and he swore
"By God that wee drop-lit
is the thing that propels it,
surface tension's no force to ignore!"***

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.

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 jkerrig@clemsun.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 DGfM
www.dgfm-ev.de

Glomeromycota PHYLOGENY
amf-phylogeny.com

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

Medical Mycology journal
www.isham.org

Mycologia
mycologia.org

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

Taxonomy of the Hysteriaceae & 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

McCrone Research Institute is an internationally recognized not-for-profit institute specializing primarily in teaching applied microscopy. 59(4)
www.mcricri.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.myckey.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 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 Julia Kerrigan at jker-rig@clermson.edu.

April 3-6, 2016

13th European Conference on Fungal Genetics (ECFG13)
Paris, France
<http://www.ecfg13.org/events.php?IDManif=896&IDModule=71&IDRub=1694>

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

August 7-11, 2016

Mycological Society of America Annual Meeting
Berkeley, California

October 3-6, 2016

VIII Brazilian Mycological Congress
Universidade Federal de Santa Catarina
Florianópolis, Brazil
<http://micologia2016.paginas.ufsc.br/> and Facebook

July, 2017

Mycological Society of America Annual Meeting
Athens, Georgia

July 23-29, 2017

IBC 2017
XIX International Botanical Congress
hosted by The International Association of Botanical and Mycological Societies (IABMS)
Shenzhen, China
<http://www.ibc2017.cn/index.aspx>

July 15-21, 2018

International Mycological Congress: IMC11
hosted by the ***Mycological Society of America***
San Juan, Puerto Rico

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

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info@fungi.com

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Dept Head, Plant Pathology
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(507) 663-7631
rita.kuznia@syngenta.com

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Palo Alto, CA, 94304
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Attn: P.L. Conant - President
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Ripon, WI, 54971
(920)748-5125

Novozymes, Inc.

Attn: Wendy Yoder
1445 Drew Ave
Davis, CA, 95618
(530) 757-8110
wty@novozymes.com

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Attn: Mark Wach
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inoculum

The Newsletter
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Mycological
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Mark most appropriate area(s)

- Cell Biology – Physiology** (including cytological, ultrastructural, metabolic regulatory and developmental aspects of cells)
- Ecology – Pathology** (including phytopathology, medical mycology, symbiotic associations, saprobic relationships and community structure/dynamics)
- Genetics – Molecular Biology** (including transmission, population and molecular genetics and molecular mechanisms of gene expression)
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