

Newsletter of the Mycological Society of America

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— Important Dates —

February 15 Deadline:

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July 29-August 2, 2006:

MSA/CPS/APS Meeting,
Québec City, Québec,
Canada

August 21-26, 2006:

8th International
Mycological Congress,
Cairns, Australia

**Please send the editor
notices about upcoming
important events.**

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On the Front Lines at John F. Kennedy Airport: Plant Pathologist/Identifier

By Michael Kenney

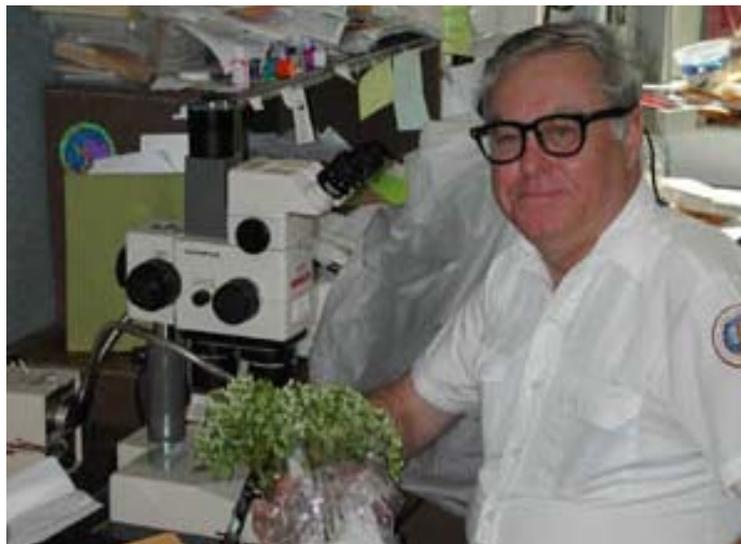
I probably had one of the most interesting jobs in the country. I inspected for and identified pests and diseases on plant products from all over the world. My job was to keep new pests from entering the United States. I have worked with APHIS at the John F. Kennedy (JFK) Airport in New York for 15 years, first as a plant protection and quarantine (PPQ) officer in the passenger terminals and then as a plant pathologist/identifier at the Plant Inspection Station.

There are several APHIS' inspection stations in the United States, most at or near major ports of entry. At JFK, we get shipments from Latin America, Europe, Africa, Asia, Australia, and New Zealand. Seventy-eight international carriers serve JFK.

We inspect the cargo they carry at various scattered facilities within the airport. Normal hours of inspection are 8:30 a.m. to 5 p.m., but we examine agricultural freight around the clock by appointment, especially perishable plant or animal materials. The cut-flower tulips that appear at your market before noon were probably inspected and released by our officers at 1:30 a.m. that morning.

If we find no problems after inspecting cargo, we release it. If we find a pest, disease, noxious weed, or unidentified plant material (which may be prohibited), we hold the material, and it can't be moved. It is marked with black and yellow USDA quarantine warning tape, and P.Q. Form 309 is attached with information on host material, country of origin, and destination. Interceptions of perishable materials are

Continued on following page



Michael Kenney
(Photo by Leon Praetorius, PPQ)

called “urgents” because timely dispositions are necessary. We strive for resolution within 24 hours. Often thousands of dollars of freight is involved.

Such material is hand carried to the appropriate specialist (botanist, entomologist, etc.). Identification may take from a few minutes to several hours. If the pathogen or pest already occurs widely in the United States or is not what we originally feared that it was, the product will be released. If an identification cannot be made, or if confirmation is required, the specimen is forwarded by overnight express, or sent as a digital image, to national specialists.

Probably one of the most bizarre specimens to come through the Plant Inspection Station was a foot-long bas-relief of an Easter bunny made by a famous German artist. It was hand carried by an art dealer from Manhattan’s Upper East Side, who was arriving from Germany. We determined the Easter bunny was made of cow manure. Although we found no evidence of pathogen propagules or noxious weed seeds, we were concerned about the possibility of livestock disease agents being in the manure. After much discussion and calls for official guidance from Veterinary Services headquarters in Riverdale, MD, it was decided, after several hours, that there was no risk, since the art work would be displayed inside the art dealer’s shop. The specimen was subsequently put on indoor display and was the subject of a column in *New York Magazine*.

International garbage surveillance is another one of our tasks. All foreign garbage, uneaten food, and even cut flower bouquets must be removed from the airplanes of foreign carriers and incinerated. The garbage is just another potential pathway for exotic pests and diseases to enter our country.

Working on a typical day at JFK will be about 65 PPQ officers, seven supervisors, 16 technicians, and six K-9 (Beagle Brigade) officers with their dogs. There are two to three shifts per terminal. The hours at terminals vary based on when most scheduled flights arrive.

The workload is usually heavy. On one Sunday, for instance, ten flights with a total of about 4,000 passengers reached the International Arrivals Terminal between 3 and 4 p.m. During a typical 3-month period (April-June 2000), we cleared 65 endangered species import shipments. These included a total of 79,006 endangered species plants. We cleared 29 endangered species export shipments, which included 861 plants, 2,524 pounds of American ginseng, 2,548 pounds of goldenseal, and 47 guitars made of rosewood. A total of 4,113,158 plants of non-endangered species were cleared, and eight biotechnology shipments were cleared.

A full-time officer attached to the cargo operation inspects packages mailed from foreign countries to the huge international post office adjacent to JFK. Many types of prohibited agricultural items are seized, such as meats, fruits, vegetables, plants, seeds, handcrafts made from rice or wheat straw, dried or fresh herbal medicine, and bamboo containers capable of propagation or infected with a disease. One or two technicians may help, especially during the busy Christmas season. X ray machines and Beagle Brigade dogs may also be used to find contraband. In March 2000, 1,473 mailed pack-

ages were inspected at JFK. Of these, 20 contained illegal plant materials and 191 had illegal meat or poultry materials.

Key to the success of our operations are the specialists who can identify pests and diseases that are intercepted. These people are commonly called identifiers because their primary job is the identification of pests, diseases, and plant materials. My staff includes three entomologists (who identify slugs and snails in addition to arthropods), one botanist, one plant pathologist, an endangered/threatened plant specialist, and back-ups in entomology and pathology. The staff includes two employees with Ph.D.s, two officers with Master’s degrees, and other officers with B.S. degrees.

We have many manuals upon which we base inspection decisions. For example, some manuals list prohibited propagative and non-propagative plant parts and plant material/products. Another contains listings of prohibited meat and animal products. The entry status of a commodity depends on its country of origin, how it was processed (if at all), its intended use (propagative or consumptive), the State or region of destination, and whether the proper paperwork accompanies it. The entry status of an agricultural item may change when new problems are discovered (such as the prohibition of animal products from countries with mad cow disease). All of our many agricultural regulations (both foreign and domestic) can be found in the *Code of Federal Regulations*. Updates appear in the *Federal Register*.

At JFK, we also have a number of dissecting and compound microscopes and an x ray machine for examining seeds. Many seeds can contain larvae of insects with no visible, external clue to their infestation. We have reference collections of insects and mites and of mollusks, a higher-plant herbarium, a seed collection (one of the best in the eastern United States), a mycological herbarium, and an economic plant collection. Essential to our work is the reference library, which is especially strong in publications on foreign pests and diseases.

We have an autoclave for sterilizing prohibited soil and materials containing pests and diseases. Large amounts of foreign plant material that must be destroyed because of pests or for other reasons are put into a locked quarantine dumpster and incinerated commercially. A hot water bath is used for heating small volumes of plants infested with certain root knots to kill the nematodes. We have a few fungicides and other pesticides for treating, when possible, small lots of infested/infected material. Large, commercial shipments of commodities are fumigated at a nearby commercial facility.

As you can see, JFK is a busy and interesting place. Thousands of international travelers are processed, and thousands of kilograms of produce, cut flowers, and plants for propagation are inspected daily. Some shipments are refused, others are treated, some are destroyed, and some are returned to their country of origin . . . all to protect America’s agriculture and our environment.

Questions or comments should be sent to Michael Kenney, USDA-APHIS-PPQ (Permits) Unit 133, 4700 River Rd., Riverdale, MD 20737. Email: michael.j.kenney@aphis.usda.gov

MSA Secretary Email Express

MSA Council has approved two motions since my last column. They include the following:

- MSA Executive Council Poll 2005b-12: the approval of \$6000 (in total) in support of **symposium funding** for MSA 2006 in Quebec City.
- MSA Council Poll 2005b-11: nomination of **Scott Kroken** to serve as Mycologia Associate Editor for the term 2006-2008.

New Members: The MSA extends a warm welcome to new (or returning) members: New memberships will be formally approved by the Society at the Annual Meeting, 29 July - 2 August 2006, Québec City, Québec, Canada.

- **Canada:** Dilantha Fernando
- **United States:** Jann M Ichida, Grant T. Kirker, Danesh Pezeshki, Jessica L. Stolze-Rybczynski, Fernando E Vega

Emeritus members: Four applications for emeritus membership were received, all from US members:

- Esther **McLaughlin** Minneapolis, MN
- Florence H. **Nishida**, Los Angeles, CA
- Paul D. **Olexia**, Kalamazoo, MI
- James P. **White**, St. Bonaventure, NY

Emeritus memberships will be presented for formal approval by the Society at the Annual Meeting, in Quebec (see above).

On-line attractions!

- **Membership Renewal:** If you have not yet renewed your membership, please do so as soon as possible. On-line renewal is fast and easy - and prompt renewal saves the Society money!
- **MSA Directory Update:** Is your information up-to-date in the directory? Is it complete? So that your colleagues can keep in touch and to ensure that you receive the information in **blast emails** send out by the MSA, check the accuracy of your email address in the online directory via the link from our web site at www.msafungi.org. If you have not been receiving blast emails from the MSA then the odds are your email address is missing or out of date.
- **If you need information on how to renew on-line or how to update the directory on-line, contact our Association Manager at Allen Press, the ever-helpful Kay Rose at krose@allenpress.com.**

With best wishes for a wonderful holiday season,

Faye Murrin,
MSA Secretary
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MSA Endowment Fund Honor Roll for Donors — Aug. 1, 2003 – July 3, 2005

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Please report any errors or omissions to Tom Harrington. There is still time to make the 2005-2006 Honor Role! Contact Tom Harrington, Chair, MSA Endowment Committee (tcharrin@iastate.edu) or use the form found in this issue of *Inoculum*.

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cstiles@ufl.edu
Lisa Castlebury, *ex-officia*, *Past-Chair*
lisa@nt.ars-grin.gov

Annual Meeting Committees

MSA-APS 2006 Local Arrangements-

James B Anderson, *Chair*
janderso@utm.utoronto.ca
Linda Kohn
kohn@utm.utoronto.ca

MSA 2007 Local Arrangements

Meredith Blackwell
mblackwell@lsu.edu

MSA 2008 Local Arrangements

David Geiser
dgeiser@psu.edu

MSA 2009 Local Arrangements

Bradley R Kropp
brkropp@cc.usu.edu

Foray

Donald Ruch (2005-06), *Annual Foray*
Coordinator
druch@bsu.edu

Affiliates and Assignments

Representatives

**American Association
for the Advancement of Science**
(*Committee of Section G: Biology*)
Lisa Castlebury (2003-06),
lisa@nt.ars-grin.gov

American Institute of Biological Sciences

Al Torzilli, *Council* (2003-06)
atorzill@gmu.edu

American Mushroom Institute

Richard W Kerrigan (2003-06)
rkw@sylvaninc.com

American Type Culture Collection

Gary Samuels (2003-06)
gary@nt.ars-grin.gov

International Mycological Association

John Taylor (2004-07)
jtaylor@socrates.berkeley.edu

International Union of Microbiological Societies

(*US National Committee*)
Carol Shearer (2002-06)
carolshe@uiuc.edu

Natural Sciences Collections Alliance

Gerard Adams (2002-06)
gadams@msu.edu

Affiliated Mycological Societies – Regional

Boston Mycological Club (**BMC**)
Illinois Mycological Association (**IMA**)
Oregon Mycological Society (**OMS**)

Allied / Sister 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
(CBS) 2004
Mycological Society of Japan 2005

Special Assignments & Appointments

Historian

Donald Pfister
dpfister@oeb.harvard.edu

Joint Commission on Common Names

msa+nama = JOINT appointments
msa = MSA only; nama = NAMA only
Scott Redhead, *Chair* (2001-06)
msa+nama
redheads@agr.gc.ca
Lorelei Norvell (2001-06) msa+nama
LLNorvell@pnw-ms.com
Judy Roger (2001-06) msa+nama
judyr@hevanet.com
Walt Sundberg (2004-07) msa
sundberg@plant.siu.edu
Tom Volk (2001-05) msa
volk.thom@uwlax.edu
Carol Dreiling (2001–04) nama
caroldrei@aol.com
George Riner (2001-05) nama
griner@bellatlantic.net

Liaison for Society Incorporation

Lafayette Frederick
lfrederick@fac.howard.edu

Memorials Publications Committee

Donald Pfister, *Chair*, *Historian*
dpfister@oeb.harvard.edu
Donald Natvig, *Mycologia Editor-in-Chief*
dnatvig@unm.edu
David J McLaughlin, *President*
davem@tc.umn.edu
Richard Baird, *ex officio*, *Inoculum* Editor
rbaird@plantpath.msstate.edu
Faye Murrin, *ex officia*, *Secretary*
fmurrin@mun.ca

Public Policy Officers

Meredith Blackwell (2004-07)
mblackwell@lsu.edu
George Carroll (2004-07)
gcarroll@oregon.uoregon.edu

MSA Awards Announcements (Deadline Feb. 15)

For over 20 years the **Mycological Society of America** has been recognizing excellence in research, teaching and service among its membership by awarding **Students** as well as **Distinguished 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 2005-2006

Mycological Society Distinctions Committee

Chair: Dr. Scott Redhead, Chair - Eastern Cereal & Oilseed research Centre, Biological Resources, Research Branch, Agriculture and Agri-Food Canada, Ottawa, Ontario, K1A 0G6, Canada. Phone: 613 759 1384. Fax: 613 759 1599. Email: redheads@agr.gc.ca.

Members: Georgiana May gmay@maroon.tc.umn.edu, Mary Berbee berbee@unixg.ubc.ca, James Kimbrough jwk@mail.ifas.ufl.edu, Nick Read nick.read@ed.ac.uk, Ronald H Petersen *ex officio*, Past Chair, Jessie Micales, *ex officia*, Sustaining Chair

Honorary Awards Committee

Chair: Dr. John W Taylor, Dept Plant Biology, 111 Koshland Hall, Univ California, Berkeley, CA 94720-3102, United States. Office Phone: (510)642-5366, Fax : (510)642-4995, Email: jtaylor@nature.berkeley.edu

Members: Carol A Shearer carolshe@uiuc.edu, Dave McLaughlin davem@tc.umn.edu, George Carroll, *ex officio*, Past Chair

Mentor Student Travel Awards Committee

Chair Dr. Andrea Gargas, Botany Department, UW Madison, 132 Birge Hall, 430 Lincoln Drive, Madison WI 53706 EMAIL: agargas@wisc.edu

Members: Steven Harris Sharri1@unlnotes.unl.edu, Elizabeth Frieders frieders@uwplatt.edu, Josef Geml jgeml@iab.alaska.edu, Charles W Bacon *ex-officio*, Past Chair, Jessie Micales, *ex officia*, Sustaining Chair

Research Awards Committee

Chair: Dr. Nancy Weber, 2160 NW Beechwood Pl., Corvallis, OR 97330-1001, United States Phone: 541 753 9626, Email: weberja@aol.com

Members: Iris Charvat charv001@tc.umn.edu, Terry Hill hill@rhodes.edu, Gary Warren gwarren@nrcan.gc.ca, Michelle Seidl seidl@comcast.net, Karen Nakasone, *ex officia*, Past-Chair, Jessie Micales, *ex officia*, Sustaining Chair

Student Awards Committee

Chair: Dr. Lori M. Carris, Dept of Plant Pathology, Washington State Univ, PO Box 646430, Pullman, WA 99164-6430, United States. Office Phone: (509)335-3733, Fax: (509)335-9581, Email: carris@mail.wsu.edu

Members: Catherine Aime cathie@nt.ars-grin.gov, Jinx Campbell jinx.campbell@usm.edu, Jean Marc Moncalvo jean-marc@rom.on.ca, François Lutzoni, *ex officio*, Past-Chair, Jessie Micales, *ex officia*, Sustaining 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: 15th February

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 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**.

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 at 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 *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: 15th February

Continued on following page

MSA BUSINESS

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.

Apply to: 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 the annual interest on the principle deposited in the MSA Alexopoulos Fund. 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 at 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 *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: 15th February

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, sym-

posia 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.

Apply to: 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 at 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 *Inoculum*.

MSA Fellows

Nominations requested for the MSA Fellows Award.

Guidelines:

- 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.

Deadline: February 15th

To nominate a deserving mycologist for this Award, please submit a one-page overview preferably as a pdf email attachment to the **Chair of the Honorary Awards Committee**.

Honorary Members

Nominations are requested for the MSA Honorary Members.

Deadline: February 15th

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

Guidelines: (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. (2) To nominate a mycologist who resides outside of the U.S. and Canada for this Award, 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**.

MSA Graduate Fellowships

Graduate Fellowships: **Two MSA Graduate Fellowships** (\$2,000 each), the **Memorial NAMA 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.

Funds available: One award of \$1000 and three awards of \$2,000 each.

Application deadline: February 15th

Requirements for eligibility: 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, and (4) The NAMA Fellowship comes with the stipulation that the awardee prepare an article for *McIlvainea*. Previous recipients of these fellowships are not eligible to apply.

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) Two letters of recommendation, one of which is from your supervisor or thesis advisor. We recommend that your supervisor's letter also address your eligibility based on candidacy. 5) Graduate school transcripts showing courses taken, grades received, student Social Security number and Student ID number. Photocopies are acceptable if signed by your supervisor, but at least one must be an official transcript obtained from your institution's Registrar.

Your plan of study should include the following: 1) a 200- or 250-word Abstract; 2) an Introduction that explains what you want to do and why it is interesting or important; 3) a Methods section that convinces the reader that the project is feasible and describes how the study will be conducted; and 4) a 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 all items listed above, in electronic format and preferably as a single pdf file, to the Chair of the Student Awards Committee. Confidential letters of reference and transcripts that are not available electronically should be sent, in quadruplicate by regular mail to **Chair of the Student Awards Committee**.

For a list of members of the Student Awards Committee and further contact information click [here](#).

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.

Mentor Student Travel Awards

Mentor Travel Awards: For the 2006 meeting of MSA with the American Phytopathological Society and Canadian Phytopathological Society in Quebec City, Canada, 29 July-2 August.

The mentor awards are given in the names of some of our famous mycological forbearers: C. J. Alexopoulos, A. Barksdale, H. Bigelow, M. Bigelow, E. Butler, W. C. Denison, H. M. Fitzpatrick, M. S. Fuller, R. P. Korf, E. S. Luttrell, J. R. Raper, H. D. Thiers, F. A. Uecker, and K. Wells.

Application deadline: February 15th

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 and (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 (four copies): 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 vita. 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**.

MSA BUSINESS

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.

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.

The Award: 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 and 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, for adequately justified. This award is made directly to the individual and is not an institutional award. 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.

An award to a recent (within 5 years) Ph.D. mycologist for the support of new or ongoing research.

Funds available: approximately \$2000

Application deadline: February 15th

Documents required: (1) Cover letter (2) Curriculum vita, with publication list and alternative support sources; and (3) Research proposal not to exceed three single-spaced pages.

Apply to: 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.

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.

Award Amount: \$1000.

Application deadline: February 15th

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.
- (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.

Forest Fungal Ecology Research Award

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

Award Amount: \$1000, approximately.

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

Eligibility: 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.

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.

Application deadline: February 15th

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.

Alexander H. and Helen V. Smith Research Fund

Guidelines for applications for support from the Alexander H. and Helen V. Smith Research Fund

Purpose — 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.

Award Amount: approximately \$1000

Criteria for Awarding Grants — 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 pro-

posals. 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.) and 3) a current curriculum vitae.

Recipients will be chosen by an awards committee designated by the President of the Mycological Society of America. In addition, the 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.

Application deadline: February 15th

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.

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

MYCOLOGICAL NEWS

Post-Congress Foray of the ICSEM5 in Mexico

The Fifth International Congress on Systematics and Ecology of Myxomycetes (ICSEM5) was held at the Universidad Autónoma de Tlaxcala in Tlaxcala, Mexico, during the period of Aug. 8-13, 2005. More than 90 participants from approximately 25 countries attended the congress, which was organized by Dr. Arturo Estrada-Torres. The scientific program included several pre-congress mini-courses (e.g., "Introduction to the Study of Dictyostelids and Protostelids" and "Methods Useful in Bringing Field Collections of Myxomycetes into Agar Culture") as well as a number of special symposia (e.g., "Research Projects Involving Myxomycetes From Around the World," "Mycetozoa Biodiversity" and "Perspectives on Phylogenetic Systematics of Mycetozoa"). Full details of the congress are available on the congress web site (garza.uatx.mx/icsem5/), and congress proceedings will be published by *Revista Mexicana de Micología*.

One of the traditional activities of each past congress has been a field excursion to an area of the congress venue, in this case Mexico, one of the world's megadiverse countries. This diversity is thanks to the confluence of the Nearctic and Neotropical Regions coupled with its geological history, topography and climatic diversity (Mittermier and Goetsch 1992, Sarukhán *et al.* 1996). The state of Hidalgo, with a total area of more than 20,000 km², lies in the center of Mexico, and extends from approximately 19°35' to 21°25' N and from 97°57' to 99°51' W. The portion of the state with more northern affinities forms part of the Sierra Madre Oriental mountain chain, while the portion with more southern affinities is integrated into the Sierra Volcánica Transversal or Neovolcanic Belt. The climate of Hidalgo ranges from dry and semi-dry to temperate in the Sierra Madre Oriental and the Neovolcanic Belt to warm and semi-warm in Huasteca (INEGI 1992), which makes it a promising area within which to explore the species richness of a number of groups of organisms, including the myxomycetes.

With these facts in mind, the organizing committee of ICSEM5 wanted to show to the world's myxomycetologists the great diversity of Mexican vegetation types and the myxomycetes associated with them. As such, they organized a five-day post-congress foray, the closure event of the congress, through the State of Hidalgo. Sixteen congress partici-



Figure 1. Participants in the post-congress foray. Back row, left to right: Roland McHugh, Kari Haugli, Uno Eliasson, Bruce Ing, Cora Villamil Carrera, Alain Michaud, Miriam De Haan, Marianne Meyer, Mariana Martínez Villamil, Laura Hernández-Cuevas, Anne-Marie Fiore-Donno, Seraoui El-Hacene and Arturo Estrada-Torres. Front row, left to right: Kayoko Fujio-ka, Diana Wrigley de Basanta, Sandra Baldauf, Tatiana Krimovaz, Yana Morgunova and Jose Luis Martinez y Perez

pants from 12 countries (Belgium, England, France, Ireland, Japan, Lithuania, Mexico, Norway, Spain, Ukraine, Switzerland and Sweden) joined the foray, along with the excursion guides, two myxomycetologists who have worked extensively in the region, and a botanist from the Universidad Autónoma de Tlaxcala (Fig. 1).

Ten different collecting localities were visited. These were a xerophyllous scrubland and two coniferous and oak forests in the Neovolcanic Belt; two xerophyllous scrublands in the Barrancas de Metztlán Biosphere Reserve (Fig. 2); three *Pinus* and *Pinus-Quercus* forests, and two localities in a montane cloud forest in the Sierra Madre Oriental.

Xerophyllous scrublands cover almost 38 % of Mexico (CONABIO 1998, based on Rzedowski 1990). This vegetation type occurs on almost all kinds of topography, but local geology and soils shape its appearance and species composition. The floristic composition of the scrublands is diverse, and the cacti are characterized by particularly high species diversity. There is also great variety in the monocots, including members of such genera as *Agave*, *Hechtia* and *Yucca*, which are dominant or codominant in this kind of vegetation, which has numerous endemic genera and species (Rzedowski

Continued on following page

MYCOLOGICAL NEWS

1978). Several types of xerophyllous scrubland were explored on the foray, each of which was characterized by different dominant species. Among these were (a) those with *Opuntia streptacantha* and *Yucca filifera* as the dominant species, which along with *Schinus molle* scrublands, are known in Mexico as “nopaleras”; (b) those characterized by the presence of columnar or candelabra cacti, with *Myrtillocactus geometrizans* and *Stenocereus dumortieri* the most important species, and which are more thermophilic than many other xerophyllous communities; and (c) *Cephalocereus senilis* scrublands, which often form an extensive cover over calcareous surfaces on steep mountain slopes. The last two are located in the Barrancas de Metztitlán Biosphere Reserve, set aside by the Mexican Federal Government as a Conservation Area in the year 2000. The Barrancas de Metztitlán Reserve is an extension of the Sonora and Arizona deserts of the United States, with a similar flora and fauna even though located hundreds of kilometers to the South. The Reserve contains almost 60 members of the Cactaceae, with *Cephalocereus senilis* being one of the endemic species.

Oak forests are characteristic plant communities of mountains in Mexico. Generally, *Quercus* forests are mixed with *Pinus* and/or *Abies* forests, and *Quercus* represents a very important element of the Mexican montane cloud forest. Approximately 13 to 15 of the 150 or so described species of oaks (Nixon 1998) have been recorded from the State of Hidalgo (Zavala 1990). Coniferous forests, along with *Quercus* forests, cover almost 20% of Mexico's territory (CONABIO 1998, based on Rzedowski 1990).

The Mexican montane cloud forest consists of a kind of relict vegetation that covers approximately 1% of Mexico (CONABIO 1998, based on Rzedowski 1990). In Hidalgo, these forests are dense, and their flora includes 1006 species, 520 genera, and 146 families of vascular plants, with arboreal ferns being one of the most characteristic elements (Luna-Vega and Alcántara-Ayala 2004). Hidalgo is the third-largest Mexican state, and much of its landscape is covered by cloud



Figure 2. Cacti in the Barrancas de Metztitlán Biosphere Reserve.

forests (Ortega and Castillo 1996). The Tlachinol forests, part of which we explored, are among the best preserved examples (Luna-Vega *et al.* 1994, Alcántara and Luna-Vega 1997).

The exploration of these environments was very successful. More than 620 field collections of myxomycetes and 120 samples of bark were collected. Preliminary data suggest that these collections represent more than 70 different species of myxomycetes. Some of the more interesting examples were *Arcyria globosa*, *Badhamia melanospora*, *Craterium obovatum*, *Diderma floriformis*, *Diderma saundersii*, *Didymium perforatum*, *Hemitrichia minor*, *Fuligo rufa*, *Metatrichia vesparia*, *Perichaena depressa*, *Physarum cinereum*, *Physarum globuliferum* and *Trichia agaves*.

Some of these species are invariably associated with particular substrates and vegetation types. For example, *Badhamia melanospora* and *Trichia agaves* are almost always found on succulent and/or *Yucca* debris in xeric habitats; *Diderma floriformis* appears to be present only in montane cloud forests, and there is a remarkable abundance and species richness of *Cribraria* in *Pinus* and *Pinus-Quercus* forests. Other species will be added after the bark samples have been processed in moist chamber cultures and critical examination of field collections has been completed.

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References

- ALCÁNTARA O, I LUNA-VEGA. 1997. Florística y análisis biogeográfico del bosque mesófilo de montaña de Tenango de Doria, Hidalgo, México. *Anales Inst. Biol., UNAM, Ser. Bot.* 68(2): 57-106.
- CONABIO. 1998. *La diversidad biológica de México. Estudio de país.* Comisión Nacional para el Conocimiento y Uso de la Biodiversidad. Mexico DF.
- INEGI. 1992. *Síntesis geográfica de Hidalgo.* Instituto Nacional de Estadística, Geografía e Informática, Mexico DF.
- LUNA-VEGA I, O ALCÁNTARA-AYALA. 2004. Florística del bosque mesófilo de montaña de Hidalgo. In: Luna-Vega I, JJ Morrone, D Espinosa (eds.). *Biodiversidad de la Sierra Madre Oriental.* CONABIO, Las Prensas de Ciencias, Mexico DF, pp: 169-192.
- LUNA-VEGA I, S OCEGUEDA, O ALCÁNTARA. 1994. Florística y notas biogeográficas del bosque mesófilo de montaña del municipio de Tlachinol, Hidalgo, México. *Anales Inst. Biol. UNAM, Ser. Bot.* 65(1): 31-62.
- MITTERMAIER R, C GOESTCH. 1992. La importancia de la diversidad biológica de México. In: Sarukhán J, R Dirzo (comps.). *México ante los retos de la biodiversidad.* CONABIO, México DF.
- NIXON KC. 1998. El género *Quercus* en México. In: Ramamoorthy TP, R Bye, A Lot, J Fa (eds.). *Diversidad biológica de México: orígenes y distribución.* Instituto de Biología, UNAM, Mexico DF, pp: 435-448.
- ORTEGA F, G CASTILLO. 1996. El bosque mesófilo de montaña y su importancia forestal. *Ciencias* 43: 32-39.
- RZEDOWSKI J. 1978. *Vegetación de México.* Limusa, México, D.F.
- SARUKHÁN J, J SOBERÓN, J LARSÓN-GUERRA. 1996. Biological conservations in a high beta-diversity country. In: Di Castri F, T Younès (eds.). *Biodiversity Science and Development: Towards a new partnership.* CAB International.
- ZAVALA CH. 1990. Los encinos de México: un recurso desaprovechado. *Ciencia y Desarrollo* 16(95): 43-51.

MYCOLOGICAL NEWS

Leppia:

A Missing Link Between Northern and Southern Hemisphere Truffles?

In making his accustomed rounds in 2003 to see what fungi were fruiting in the Australian National Botanic Gardens (ANBG), Canberra, mycologist Heino Lepp noticed a partially emergent sporocarp. He unearthed it together with another specimen and checked them with the microscope. They proved to be a sequestrate ascomycete, which Heino subsequently showed to us. Macroscopically it looked rather like a European *Tuber rufum* Fr. in the Tuberaceae, so we asked if any oak or pine trees were nearby. No, none: the ANBG cultivates only plants native to Australia. He took us to the spot. Assuming it to be ectomycorrhizal, we agreed that the only possible host had to be a eucalypt or some other shrub or tree in the Myrtaceae.

Back in the lab, a microscope check showed it was not a *Tuber* sp., not surprising because that genus so far has been found in Australia only with introduced oaks. Rather, it is closer to the Australasian endemic genus *Dingleya*, also in the Tuberaceae. However, its asci had long stems with a forked base, a feature of the *Tuber rufum* group but not of *Dingleya*. Moreover, the spores had an ornamentation intermediate between *Tuber* and *Dingleya* but were ellipsoid as in *Tuber rufum* and *Dingleya verrucosa* Trappe *et al.* All other *Dingleya* spp. have globose spores. The peridia of both genera are otherwise similar macroscopically and microscopically.

Those of us working on Australasian sequestrate fungi routinely encounter taxonomic novelties. Our long-term truffle plots scattered over eastern Victoria and southeastern New South Wales altogether total 13.6 ha in surface area and have yielded about 300 species, 250 of which are undescribed. But Heino's find in the middle of Canberra is special: it represents a genus intermediate between the Northern Hemisphere genus *Tuber* and the Southern Hemisphere *Dingleya*. Might

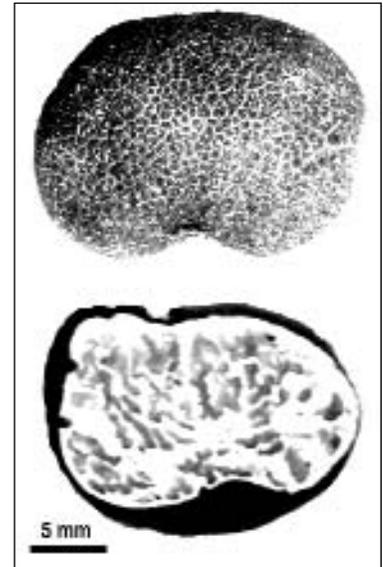
it be a missing link between northern and southern sequestrate ascomycetes?

We have a manuscript draft in which the new genus and species are described and provisionally named *Leppia monospora* (another unusual feature of the species is that most asci are 1-spored, infrequent ones 2-spored, and rare ones 3-spored). Greg Bonito of Duke University, who is studying the molecular phylogeny

and taxonomy of the North American species of *Tuber*, is currently extracting DNA from *Leppia* and will examine its relationship to *Tuber* and *Dingleya*. Once that is done, we will add the information to the manuscript and submit it for publication. The holotype has been accessioned in the fungal collections at the Australian National Herbarium, Canberra with an isotype at the Oregon State University Herbarium.

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Poem by a Young Scientists: *Mycorrhizae*

I think that I shall never see
A poem lovely as a tree¹.

A tree whose lovely mouth is prest
Against the earth's sweet flowing breast.

But far below both flower and fruit
Exists a helper quite minute;

A resident of roots and soils
Whose role in nature merits laurels.

Whose plain existence is confirmed
As symbiotic, as it's termed.

Well, symbiotic, more or less,
Contingent on strain, soil, and stress.

But wait, the buck's afore the cart.
Let's start the story from the start.

Mycorrhizae are well-suited –
And aptly titled "fungus-rooted."

Found in fossils from the past
And modern forests, shrubs and grass.

They settle in on roots of flora
And form a network like angora.

This mesh of hyphae, as they say
Extends to places roots don't stray.

And so augmenting surface spaces
Hyphae act somewhat like vases,

Trapping water near the roots –
Increasing fluxes through the shoots.

And further still, these plants need food –
Rare nutrients that oft elude.

But fungal partners can divert
The foods sequestered in the dirt.

Sending plants some nitrogen
Fungi help their pals again.

They do the same with phosphorous,
Another food that's quite a must.

Saprophism is their part.
These fun guys, man, they sure are smart!

Recycling all they chance to meet
They help plant partners to compete.

Because when foods are limiting
The plant that gets the most is king.

Continued on following page

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But still there's more these fungi do
That sticks chic plants to them like glue.

They battle germs all pathogenic
Whose goals in life are antithetic

To the plant's own prime concerns –
To keep and use all that it earns.

Hey, wait, isn't this too simplistic;
So are these fungi altruistic?

Not exactly, plants share too
To earn the gains that they accrue.

Plants, they spread their green bouquets
And captures all the bright sun's rays;

A tree that may in Summer wear
A nest of robins in her hair,

Produces in her foliations
Carbon-laden preparations.

This they trade for other stuff
To make sure that both have enough.

Feeding hunger, quenching thirst,
Fungi with carbs are reimbursed.

And so a balance must exist
Between the cost and benefit.

As long as things are status quo
Then symbiosis is a go,

But sometimes stresses ambiental
Makes these partners temperamental.

Like gypsies, fungi often roam
And may call unlike plant types home.

This makes selection quite diffuse.
One side may suffer some abuse.

Johnson and his colleagues aver
That fast-friends may sometimes waver.

There's quite a gamut, they remind,
Between a consort cruel or kind.

Those that give don't always get.
They lose the evolut'nry bet.

Not surprising, fungus-speaking,
Chances may arise for sneaking.

Take for instance little seeds
Containing all a young plant needs.

A fungus that attaches early
May effectively be surly;

Cause the sprout's subsisting only
On stored carbon, it's best lonely

A fungal partner just slows growth.
The relationship's not good for both.

Plants may also opt to abstain
From equity so oft maintained.

Depending on what limits growing
Plants select their yes or no-ing

If lack of N or phosphorus
Growth of plant life might suppress,

Then sugars usurped from the sun
Are free to give out by the ton.

But if carbon is the sink
The giving spirit just might shrink,

And if the fungus can't defend
The plant may gain the upper hand,

Then only fungi that insist
On trading fairly can persist.

Depending on which pairs chance fuse,
Some pairs win and some pairs lose.

This proves apparent to Eom
To happen where big buf'lo roam.

Grazing can change composition
Some fungi can't obtain nutrition.

And then such adversity
Can lower plant diversity.

But on the other foot's the shoe
The opposing view is also true

Asymmetries in symbiont need
May help communities succeed.

Feedback of the negative sort
Diversity can oft support.

So myco-pals are oft a perk.
Bever shows this in his work.

Fungi alter competition
Letting weak plants gain ambition.

Cooler yet, Simard reports
That hyphal networks lend support.

Hyphal systems stretch quite far.
They reach from here to Myanmar.

Letting plants not e'en nearby
"Borrow" when in short supply.

So not to make a pun that spoils:
We've only scratched the surface soils

Of complex interactions found
'Tween plants and fungi underground.

When we see a world of green
Who'd suspect so much unseen?

The wild world is so involved –
So many mysteries unsolved,

And simple models ne'er suffice.
Nature's got more than one device.

Still, what we learn from symbionts
Is that the world does as it's wont

But still we try to understand
So maybe we can lend a hand.

For instance, just such mutualisms,
Could be the very source of schisms

Between the native and invader,
Reducing natives to their nadir.

If we research and observe
We'll learn to fix and to preserve.

Though limited our force may be
To fix this world full of debris

To toil and hope and work and try
That is our sanction, do or die.

And most of all to save what's clean
And care for the remaining green

Cause when stability we tear
Such wounds are so hard to repair

Cause poems are writ by fools like me
But only nature makes a tree.

—Emily Wheeler

References:

Read, D. J. (1991). Mycorrhizas in ecosystems. *Experientia*. 47: 376-391.

Richardson, D. M., N. Allsopp, C. M. D'Antonio, S. J. Milton, and M. Rejmánek. (2000). Plant invasions – the role of mutualism. *Biological Reviews*. 75: 69-93.

Bever, J. D. (2002). Negative feedback within a mutualism: host-specific growth of mycorrhizal fungi reduces plant benefit. *Proceedings of the Royal Society of London*, B. Published online.

Eom, A., G. W. T. Wilson, and D. C. Hartnett. (2001). Effects of ungulate grazers on arbuscular mycorrhizal symbiosis and fungal community structure in tallgrass prairie. *Mycologia*. 93: 233-242.

Johnson, N. C., J. H. Graham, and F.A. Smith. (1997). Functioning of mycorrhizal associations along the mutualism-parasitism continuum. *New Phytologist*. 135: 575-586.

Read, D. (1997). The ties that bind. *Nature*. 388: 517-518.

Simard, S. W., D. A. Perry, M. D. Jones, D. D. Myrolds, D. M. Durall, and R. Molina. (1997). Net transfer of carbon between ectomycorrhizal tree species in the field. *Nature* 388, 579-582.

¹ Based on the poem "Trees" by Alfred Joyce Kilmer.

MYCOLOGICAL NEWS

MSA Awards 2006

- **New Deadline : Feb 15th 2006**
- **See www.msa.fungi for details**

For over 20 years the **Mycological Society of America** has been recognizing excellence in research, teaching and service among its membership by awarding **Students** as well as **Distinguished 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!

The following table summarizes what Awards are available, who is eligible, the award received, and administering MSA committee. *Amounts are estimates and may vary for some awards depending on interest earned on investments.*

Award	Eligibility Requirement	Award Received	Administering Committee
Distinguished Mycologist	Mycologist	Plaque	MSA Distinctions
C. J. Alexopoulos Prize	Early-career Mycologist	Plaque & Monetary Award	MSA Distinctions
W. H. Weston Award for Teaching Excellence	Teacher of Mycology	Plaque	MSA Distinctions
MSA Fellow	Mid-career Mycologist	Plaque	Honorary Awards
MSA Honorary Member	Mycologist	Plaque	Honorary Awards
MSA Graduate Fellowships	Graduate Student	2 @ \$2000 each	Student Awards
NAMA Memorial Fellowship	Graduate Student	\$2000	Student Awards
Backus Award	Graduate Student	\$1000	Student Awards
Best Oral Presentation	Graduate student	2 @ \$100 each	Student Awards
Best Poster Presentation	Graduate student	2 @ \$100 each	Student Awards
Mentor Travel Awards	Graduate Student	Varies	Mentor Travel Awards
Martin-Baker Award	Early Career Mycologist	\$2200	Research Awards
C. T. Rogerson Research Award	Graduate/Undergraduate Student	\$1000	Research Awards
Forest Fungal Ecology Award	Graduate Student	\$1000	Research Awards
A.H. & H.V. Smith Award	MSA Member	\$1200	Research Awards

MYCOLOGICAL SOCIETY OF AMERICA CALL for NOMINATIONS for COUNCIL

- FOR THE UPCOMING YEAR THE MSA MEMBERSHIP WILL ELECT SIX NEW COUNCIL MEMBERS INCLUDING VICE PRESIDENT, SECRETARY AND FOUR COUNCILORS.
- PLEASE CONTRIBUTE BY NOMINATING A COLLEAGUE FOR ANY OR ALL OF THESE POSITIONS (LISTED BELOW) AS SOON AS POSSIBLE.

The candidate for each office who receives the greatest number of nominations from the membership will be contacted and, if willing to stand, placed on the spring ballot along with a candidate selected by the MSA Nominating Committee. The spring ballot will be made available to all members at least three months prior to the society annual meeting to be held in Quebec City, Canada from 29 July - 2 August 2006, Québec City, Québec, Canada.

**These nominations and elections are important to the Society,
and you are strongly encouraged to participate.**

Refer to the MSA home page at www.msafungi.org for a list of past and present Councilors and Officers.

Officers

VICE-PRESIDENT _____
SECRETARY _____

Councilors (all two year terms)

CELL BIOLOGY/PHYSIOLOGY _____
GENETICS/MOLECULAR BIOLOGY _____
SYSTEMATICS/EVOLUTION _____
ECOLOGY/PATHOLOGY _____

Thank you for your participation!

Please return your nominations by **FEBRUARY 15, 2006** to
MSA Vice-President Don Hemmes by email, fax, or regular mail.

Dr. Don E. Hemmes

Biology Department, Univ Hawaii
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Phone: (808) 974-7383, Fax : (808)974-7693, Email: hemmes@hawaii.edu

MYCOLOGIST'S BOOKSHELF

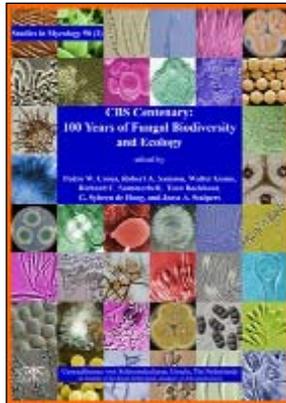
Four books are reviewed below. Books received since October are listed followed by books received earlier. The latest *Inoculum* with newly received books appears on-line months before the hardcopy of *Inoculum* arrives. When you see a book that you would like to review, let me know. Your reward for writing the review is the book itself! All requests for books to review should be sent to Dr. Amy Rossman at arossman@nt.ars-grin.gov.

CBS Centenary: 100 Years of Fungal Biodiversity and Ecology

CBS Centenary: 100 Years of Fungal Biodiversity and Ecology. 2004. PC Crous, RA Samson, W Gams, RC Summerbell, T Boekhout, G. Sybren de Hoog, JA Stalpers (eds). *Studies in Mycology* 50(1&2): 1-580. Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands, www.cbs.knaw.nl. Price: €100.00.

In 2004 the Centraalbureau voor Schimmelcultures (CBS) celebrated 100 years of continuous service to the mycological community. A meeting was held with the same title as the present volume, however, it was decided not to publish a proceedings, but to solicit papers from participants describing at least 100 new species, thus illustrating the diversity among fungi. The editors also wished to illustrate the diversity of methods involved in contemporary polyphasic taxonomy. Finally, this volume introduces MycoBank (www.MycoBank.org) as a centralized online directory for documentation of nomenclatural novelties and taxonomic information. Correction of Latin circumscriptions and assuring agreement between genus and epithet is among their services. All major groups of fungi and Oomycota are represented in the 38 taxonomic papers that comprise the two volumes. The initial entry is for *Aspergillus westerdijkiae* Frisvad & Samson and is rather hopefully numbered 500,000; the last entry is for *Nothadelphia mortierella* Degawa & W. Gams MB5000163, an obligate mycoparasite of several dung-associated *Mortierella* spp. of uncertain but probably zygomycetous affinity. Thus, the editorial goals of describing 100 new taxa and introducing a new cataloguing system are both accomplished.

The individual contributions are of generally exemplary quality and range from classical morphological circumscriptions of new species of *Alternaria*, *Embellisia*, *Stemphylium*



and *Ulocladium* with drawings but no photographs, through combined morphological/physiological/nucleic acid-based circumscriptions too numerous to mention, to the separation and naming of cryptic species based on differences in sequences of several genes with *ex post facto* observations of micromorphological differences, frequently of a statistical nature. Most of the papers describe ascomycetes or mitospore fungi; most of these are plant pathogens. Many of the contributions are monographic in their approach to genera or infra-generic relationships and include keys and phylogenetic hypotheses, sometimes inappropriately but usually not, as well as descriptions of new taxa. Several of the more recent developments in statistical support for phylogenetic inference are well illustrated, among these Markov Chain Monte Carlo analyses and the application of Bayesian posterior probabilities. Both are improvements over the still popular bootstrap methods. However, powerful tools in the hands of the untrained can lead to misleading conclusions and this is sometimes the case. Although I will refrain from singling out those few papers that I believe to be deficient in their appreciation of the theoretical underpinnings of cladistics, there are some that could have used better editorial control over appropriateness of applied methods to the taxonomic question at hand.

While a brief history of the CBS and a review of current estimates of fungal biodiversity may be of interest to the generalist, this is a specialist volume that is part of an essential series. It should find its way into the libraries of universities and research centers, and those mycologists with taxonomic specializations. Papers in this and all recent *Studies in Mycology* are available online at: <http://www.cbs.knaw.nl/online/index.htm> where PDF files of individual article can be viewed and downloaded. Thus, papers in this volume are available online to researchers with small library budgets world-wide.

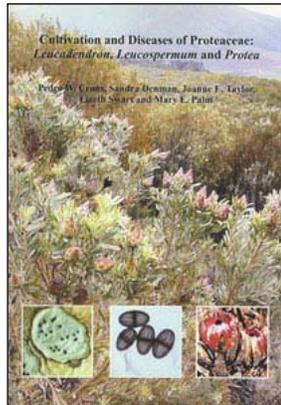
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MYCOLOGIST'S BOOKSHELF

Cultivation and Diseases of Proteaceae . . .

Cultivation and Diseases of Proteaceae: *Leucadendron*, *Leucospermum* and *Protea*. 2004. PW Crous, S Denman, JE Taylor, L Swart, & ME Palm. Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands, www.cbs.knaw.nl/publications/index.htm 227 pp. Price: € 60.00.

The plant family Proteaceae includes horticultural crops of increasing value as cut flowers that are grown and transported throughout the world. Native to the southern hemisphere, the Proteaceae have diseases caused by many unique fungi that have been described over a number years especially by South African scientists. This book brings together results of work on the fungi of the Proteaceae but includes much more. An introductory section provides the basics of diagnosing diseases and isolating the fungi that cause them. Unusual for a mycological book, the second section addresses the cultivation of Proteaceae from crop improvement and propagation through harvesting, post-harvest precautions to issues dealing with export regulations. This very practical section could be extremely useful to those going into the business of raising Proteaceae for cut flowers.



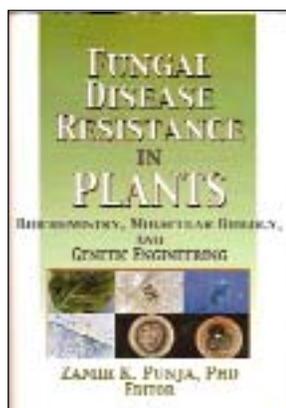
Mycologists and plant pathologists will be especially interested in the body of the book that is an expanded compendium of the fungi on Proteaceae arranged by the type of disease they cause. Most of the problems are foliar diseases but there are also chapters on stem, shoot and flower diseases, root diseases, and diseases caused by bacteria and phytoplasmas. Within each category the diseases are arranged by fungal genus for which are included full descriptions of each species plus numerous line drawings and photographs of the microscopic characteristics. For example, three species of *Batcheloromyces* are described and illustrated with these species included in the key to the 22 species of *Mycosphaerella* anamorphs. Under each accepted fungal species is also a list of synonyms and a synopsis of proteaceous hosts and geographic distribution. Although many of the pathogens are specific to Proteaceae, a number of fungi with broad host ranges are included such as *Fusarium oxysporum* and *Phytophthora cinnamomi*. The diseases are illustrated in the 32 colored plates at the end of the book that will be extremely useful in diagnostics. The printing and paper quality are excellent contributing to the appearance of the outstanding illustrations. A practical guide to the growth of Proteaceae and their diseases, this book is also a treasure trove of fungal plant pathogens.

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Fungal Disease Resistance in Plants . . .

Fungal Disease Resistance in Plants: Biochemistry, Molecular Biology, and Genetic Engineering. 2004. ZK Punja (ed). Food Products Press, New York, www.HaworthPress.com/store/product.asp?sku=5093, ISBN 1-56022-961-6, 266 pp. Price \$39.95 softbound, \$59.95 hardbound.

The diversity of fungal plant pathogens is mind-boggling. And yet, most of the time, plants are able to withstand the onslaught of these would-be invaders. Throughout history, pathogen resistance has broken down with noteworthy or even catastrophic results. How are plants able to fend off fungal invasion? Research on this topic has led to enhanced resistance in plants, the topic of this highly informative book. Plant pathology graduate students and profession-



als alike will find *Fungal Disease Resistance in Plants* a very useful and illuminating book. Up-to-date, accurate information on recent developments in crop protection is presented in topical chapters written by experts in the field.

Fungal Disease Resistance in Plants highlights the various barriers that plants have evolved to protect themselves from invading fungal pathogens. These defenses include physical barriers such as thickened cell walls and chemical compounds expressed by the plant when attacked. Still other plants have acquired proteins that play an important role in defense. *Fungal Disease Resistance in Plants* discusses these evolutionary traits and introduces new scientific techniques to engineer resistance in plants that have no such protection. The editor, Zamir K. Punja, the current Editor-in-Chief of the *Canadian Journal of Plant Pathology*, is to be congratulated on assembling a Who's Who of leading experts in botany, plant breeding, and plant pathology. These scientists share their knowledge of the latest developments in crop protection from fungal infection to help reduce and possibly prevent

Continued on following page

MYCOLOGIST'S BOOKSHELF

new outbreaks of devastating crop epidemics caused by fungi and fungal-like organisms.

Without intense research and scientific study, catastrophic harvest failures due to fungal diseases will continue to cause food shortages, human and animal poisonings, and economic loss throughout the world. On-going research in this field is important and timely—new and emerging fungal diseases of plants continue to wreak devastation on forest and other economically important plants. Recent examples include sudden oak death, soybean rust, and karnal bunt.

What I like most about this text is that each chapter begins with a general introduction to a special subject, is followed by a comprehensive overview of current issues surrounding the subject, and then discusses key advances and the current state of knowledge for the topic. Topics covered

in the chapters of *Fungal Disease Resistance in Plants* include: cellular expression of resistance to fungal pathogens; the hypersensitive response and its role in disease resistance; induced plant resistance to fungal pathogens—mechanisms and practical applications; pathogenesis-related proteins and their roles in resistance to fungal pathogens; signal transduction—plant networks, delivery, and response to fungal infection; and fungal genes as they relate to disease susceptibility and resistance.

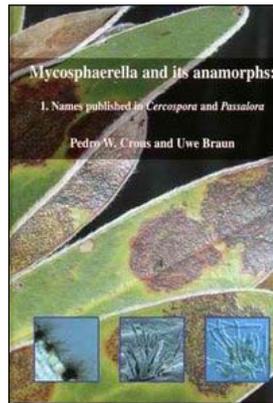
With exciting new advances in molecular biology, biochemistry, and genetic engineering, this informative book will help researchers, professors, and students further their understanding of plant defenses.

—Britt A. Bunyard
Germantown, WI
bbunyard@wi.rr.com

***Mycosphaerella* and its Anamorphs . . .**

***Mycosphaerella* and its Anamorphs: 1. Names Published in *Cercospora* and *Passalora*.** 2003. PW Crous & U Braun. Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands, www.cbs.knaw.nl/publications/index.htm, 571 pp. Price: €75.00.

This book is a compilation of over 3,000 names described in *Cercospora* with the current disposition of each name. For each accepted species there is a synopsis of the plant host and geographic distribution along with the relevant literature. This valuable resource builds and expands on two earlier books, namely the only monograph of *Cercospora* by Chupp (1954) and a compilation of all *Cercospora* names by Pollack (1987). Six new species and numerous nomenclatural changes are proposed, primarily new combinations in which names in *Cercospora* are moved to segregate genera, primarily *Passalora* and *Pseudocercospora*. Names originally described in *Cercospora* are now placed in at least 48 segregate genera. The introduction presents a summary of each segregate genus as well as a key to these genera. This is followed by a discussion of the type species of *Cercospora* and members of the ubiquitous *C. apii*



complex to which the type species belongs.

The bulk of the book is the annotated checklist of *Cercospora* names. For each name the accepted name and author are indicated with synonyms including teleomorph name. Unfortunately the list of plant hosts and geographic distribution are summarized such that one cannot connect the plant host with the country from which it was reported. This is too bad for those of us who are databasing reports of fungi on plant hosts as are currently available on the Web at <http://nt.ars-grin.gov/fungaldatabases/fungushost/FungusHost.cfm>. With over 600,000 reports this body of data is crucial for plant quarantine officials as well as plant pathologists and mycologists. Alas, the reports of *Cercospora* and *Cercospora*-like fungi will have to come from another source. Following the list of *Cercospora* names is a shorter section on *Passalora* names.

Given that most species of *Cercospora* are specific to one or a few plant host genera, the information presented in this book is an essential resource for identifying these species using the host index. The energetic duo of Pedro Crous and Uwe Braun are to be commended for this outstanding compilation and useful contribution toward understanding this important and prolific group of plant pathogenic fungi.

— Amy Y. Rossman
Systematic Botany & Mycology Laboratory
USDA-ARS
Beltsville, MD

MYCOLOGIST'S BOOKSHELF

Recently Received Books

Received September–October 2005

- **Evolutionary Genetics of Fungi.** 2005. J. Xu (ed.) Horizon Scientific Press, 270 Madison Ave. New York, NY 10016, email: spoornam@taylorandfrancis.com. ISBN 1-904933-15-7. 345 pp. Price: \$173.00. *Review in progress.*
- **Fungi of the Australia. Hygrophoraceae.** 2005. A.M. Young. Australian Biological Resources Study, Canberra, CSIRO Publishing, Melbourne, www.publish.csiro.au. Also available from Antipodes Books, Silver Spring, MD, www.antipodesbooks.com. ISBN 0-643-05890-7, 188 pp. plus 60 color photographs, 51 illustrations, 92 maps. Price: Au\$135.00. *Review needed.*
- **Mycobacterium Molecular Microbiology.** 2005. T. Parish (ed.). Horizon Scientific Press, 270 Madison Ave. New York, NY 10016, email: spoornam@taylorandfrancis.com. ISBN: 1-904933-14-9, 351 pp. Price: \$173.00. *Review needed.*
- **Systematic Botany of Flowering Plants. A New Phylogenetic Approach to Angiosperms of the Temperate and Tropical Regions.** 2004. R.-E. Spichiger, V. Savolainen, M. Figeat, & D. Jeanmonod. Science Publishers, Inc. Enfield, NH www.scipub.net. ISBN: 1-57808-315-X (Hardback), ISBN 1-57808-373-7 (Paperback). 413 pp plus CD. Price: \$58.00. *Review in progress.*
- **Antifungal Agents: Methods and Protocols. Methods in Molecular Medicine 118.** 2005. E.J. Ernst & P.D. Rogers. The Humana Press, 999 Riverview Drive, Suite 208, Totowa, New Jersey 07512, USA, email: humana@humanapr.com, ISBN 1-58829-277-0. 198 p. Price: \$99.50. *Reviewed in Sep-Oct 2005.*
- **Biodiversity of Fungi: Inventory and Monitoring Methods.** 2004. G.S. Mueller, G.F. Bills, & M.S. Foster (eds). Elsevier Academic Press, Burlington, MA, www.elsevier.com, ISBN 0-12-509551-1, 777 pp. Price: \$99.95. *Requested from publisher.*
- **CBS Centenary: 100 Years of Fungal Biodiversity and Ecology.** 2004. P.C. Crous, R.A. Samson, W. Gams, R.C. Summerbell, T. Boekhout, G. Sybren de Hoog, & J.A. Stalpers (eds). Studies in Mycology 50(1&2): 1-580. Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands, www.cbs.knaw.nl. Price: €100.00. *Reviewed in this issue.*
- **Common Mushrooms of the Talamanca Mountain, Costa Rica.** 2005. R.E. Halling & G.M. Mueller. Memoirs of the New York Botanical Garden 90: 1-195. The New York Botanical Garden, 200th St. & Kazimiroff Blvd., Bronx, New York 10458-5126 USA, www.nybg.org/bcsi/pub. ISBN 0-89327-460-7. Price: \$19.95. *Review needed.*
- **A Colour Atlas of Cucurbit Diseases. Observation, Identification and Control.** 1996. D. Blancard, H. Lecoq, & M. Pitrat. Translated from French. Originally published by Manson Publishing. Available from APS Press, 3340 Pilot Knob Road, St. Paul, MN 55121, aps@scisoc.org, ISBN 1-8774545-15-4. 304 p. Price: \$159.00. Hardcover. *Review in progress.*
- **Compendium of Bean Diseases, 2nd edition.** 2005. H.F. Schwartz, J.R. Steadman, R. Hall & R.L. Forster. APS Press, 3340 Pilot Knob Road, St. Paul, MN 55121, aps@scisoc.org, ISBN 0-89054-327-5, 109 pp. Price: \$55.00. *Review needed.*
- **Cultivation and Diseases of Proteaceae: Leuca-dendron, Leucospermum and Protea.** 2004. P.W. Crous, S. Denman, J.E. Taylor, L. Swart, & M.E. Palm. Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands, www.cbs.knaw.nl/publications/index.htm 227 pp. Price: € 60.00. *Reviewed in this issue.*
- **Flora Agaricina Neerlandica. Volume 6.** 2005. M.E. Noordeloos, Th. W. Kuyper, & E.C. Vellinga. CRC Press, 6000 Broken Sound Parkway, NW, Suite 300, Boca Raton, FL 33487, USA, email: orders@crcpress.com. ISBN 9-0541-0496-1, 310 p. Price: \$59.95. *Requested from publisher.*
- **Fungal Biotechnology in Agricultural, Food and Environmental Applications.** 2004. D.K. Arora (ed). Marcel Dekker, Cimarron Road, P.O. Box 5005, Monticello, NY 12701-5185. www.dekker.com, 509 pp. Price: \$195.00. *Reviewed in Sep-Oct 2005.*
- **The Fungal Community: Its Organization and Role in the Ecosystem. Third Edition.** 2005. J. Dighton, J.F. White, Jr. & P. Oudemans. CRC Press, 6000 Broken Sound Parkway, NW, Suite 300, Boca Raton, FL 33487, USA, email: orders@crcpress.com. ISBN 0-8247-2355-4, c. 936 p. Price: \$139.95. *Requested from publisher.*
- **Fungal Disease Resistance in Plants: Biochemistry, Molecular Biology, and Genetic Engineering.** 2004. Z.K. Punja (ed). Food Products Press, New York, www.HaworthPress.com/store/product.asp?sku=5093, ISBN 1-56022-961-6, 266 pp. Price \$39.95 softbound, \$59.95 hardbound. *Reviewed in this issue.*
- **Fungi: Experimental Methods in Biology.** 2005. R. Maheshwari. CRC Press, 6000 Broken Sound Parkway, NW, Suite 300, Boca Raton, FL 33487, USA, email: orders@crcpress.com. ISBN 1-57444-468-9. ca. 350 p. Price: \$149.95. *Requested from publisher.*
- **Fungi of the Antarctic: Evolution under Extreme Conditions.** 2005. G.S. de Hoog. Studies in Mycology 51: 1-79. Centraalbureau voor Schimmelcultures, P.O. Box 85167, Utrecht, The Netherlands. www.cbs.knaw.nl/publications/simonline/index.htm. *Review in progress.*
- **Fungi of New Zealand. Nga Harore o Aotearoa. Vol. 1. Introduction to Fungi of New Zealand.** 2004. E.H.C. McKenzie (ed.). Fungal Diversity Press, Centre for Research in Fungal Diversity, The University of Hong Kong, Pokfulam Road, Hong Kong SAR, China, www.fungaldiversity.org/fdp/fdp.htm, ISBN 962-86765-5. 168 pp. Price: \$60.00. *Reviewed in Nov-Dec 2005.*
- **The Fungi of New Zealand Ngā Harore o Aotearoa. Volume 4. Fungi on Trees and Shrubs in New Zealand.** 2005. P.D. Gadgil. Fungal Diversity Press, Centre for Research in Fungal Diversity, The University of Hong Kong, Pokfulam Road, Hong Kong SAR, China, www.fungaldiversity.org/fdp/fdp.htm ISBN 962-86765-9-8, 437 pp. Price: \$80.00. *Reviewed in Nov-Dec 2005.*
- **Fungi of Northwestern China.** 2005. W.-Y. Zhuang (ed.). Mycotaxon, Ltd. ISBN 0-930845-14-5. Hardbound, 430 pp. Price: \$40.00 plus postage. Please order directly from Wen-Ying Zhuang, P.O. Box 2714, Beijing 100080, China, email: zhuangwy@sun.im.ac.cn. *Reviewed in Sep-Oct 2005.*
- **Handbook of Industrial Mycology.** 2005. Z. An. CRC Press, 6000 Broken Sound Parkway, NW, Suite 300, Boca Raton, FL 33487, USA, email: orders@crcpress.com. ISBN 0-8247-5655-X, 784 p. Price: \$169.95. *Requested from publisher.*
- **Insect-Fungal Associations: Ecology and Evolution.** 2005. F.E. Vega & M. Blackwell (eds). Oxford University, Oxford, United Kingdom, www.oup.com/us, ISBN 0-19-516652-3, 333 pp. Price: \$49.50 (hardbound). *Review in progress.*
- **Introduction of Biodeterioration, 2nd Edition.** 2004. D. Allsopp, K. Seal & C. Gaylarde. Cambridge University Press, New York, NY, uk.cambridge.org/, 237 pp. Price: \$75.00 hardback, \$34.99 paperback. *Review in progress.*
- **Introduction to Food and Airborne Fungi. Seventh Edition.** 2004. R.A. Samson, E.S. Hoekstra & J.C. Frisvad. Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands, www.cbs.knaw.nl/publications/index.htm, 389 pp. Price: €50.00. *Reviewed in Nov-Dec 2005.*
- **Mushrooms: Cultivation, Nutritional Value, Medicinal Effect, and Environmental Impact, second Edition.** 2004. S.-T. Chang & P.G. Miles. CRC Press, 6000 Broken Sound Parkway, NW, Suite 300, Boca Raton, FL 33487, USA, email: orders@crcpress.com. ISBN 0-8493-1043-1. 480 p. Price: \$159.95. *Requested from publisher.*
- **Mycosphaerella and its Anamorphs: 1. Names Published in Cercospora and Passalora.** 2003. P.W. Crous & U. Braun. Centraalbureau voor Schimmelcultures, Utrecht, The Netherlands, www.cbs.knaw.nl/publications/index.htm, 571 pp. Price: €75.00. *Reviewed in this issue.*
- **Phoma Identification Manual. Differentiation of Specific and Infra-specific Taxa in Culture.** 2004. G.H. Boerema, J. deGruyter, M.E. Noordeloos, & M.E.C. Hamers. CABI Publishing, Oxfordshire, United Kingdom, www.cabi-publishing.org, 448 pp. incl. one color plate. Price: \$140.00. *Reviewed in Sep-Oct 2005.*
- **Die Pilzflora des Ulmer Raumes.** (translated: The Fungus Flora of the Ulm area/Southern Germany). 2004. M. Enderle. Süddeutsche Verlagsgesellschaft Ulm, Germany, www.suedvg.de, 521 pp incl. numerous color illustrations. Price: €24.50. *Review in progress.*
- **A Preliminary Monograph of Lentinellus (Russulales).** 2004. R.H. Petersen & K.W. Hughes. Bibliotheca Mycologica 198: 1-268. www.schweizerbart.de/pubs/series/bibliotheca-mycologica-59.html. Price: €80.00. *Review in progress.*
- **Revision of the Genus Amphisphaeria.** 2004. Y.Z. Wang, A. Aptroot & K.D. Hyde. Fungal Diversity Press, Centre for Research in Fungal Diversity, The University of Hong Kong, China, www.hku.hk/ecology/mycology/FDP.html, ISBN 962-86765-5, 168 pp. Price: \$60.00. *Reviewed in Nov-Dec 2005.*
- **Röhrlinge und Blätterpilze in Europa.** 2005. E. Horak. Elsevier, Spectrum Akademischer Verlag, Verlagsbereich Biologie, Chemie und Geowissenschaften, Dr. Ulrich G. Moltmann, Slevogtstr. 3-5, 69126 Heidelberg, Germany, email: info@s-f-g.com. Price: €40.00 plus postage. *Review in progress.*
- **Sporidesmium, Endophragmiella and related genera from China.** 2005. W. Wu & W. Zhuang. Fungal Diversity Press, Centre for Research in Fungal Diversity, The University of Hong Kong, China, www.hku.hk/ecology/mycology/FDP.html, ISBN 962-86765-5, 168 pp. Price: \$60.00. *Reviewed in Nov-Dec 2005.*

MYCOLOGICAL CLASSIFIEDS

Mycology Assistant Professorship at Clemson

The Department of Entomology, Soils, and Plant Sciences is seeking a motivated and creative individual to fill a 75% research/25% teaching, 9-month, tenure-track position at the Assistant Professor level. Exceptional candidates of higher rank will be considered. The successful candidate must be broadly-trained in the field of mycology—particularly in the area of taxonomy and systematics, including both traditional morphological as well as state-of-the-art molecular approaches. He or she will be expected to develop an innovative, extramurally-funded research program on economically important plant pathogenic fungi. Teaching duties will include responsibility for an undergraduate course in Introductory Mycology, a graduate course in Plant Pathogenic Fungi, and one additional undergraduate or graduate course based on the needs of the department and the interests of the successful candidate. Active participation in graduate education is expected and essential. The person hired will be encouraged to collaborate with the faculty in this and other departments on projects and issues pertaining to mycology. The mild climate and diverse geography (e.g., mountains, piedmont, and coast) of South Carolina make it an excellent place to study fungi.

Qualifications: Ph.D. in Mycology, Plant Pathology, Botany, Biology, or related discipline; extensive research experience with fungi is essential. Postdoctoral experience is desirable. Excellent verbal and written communications skills are essential.

Application Procedure: Interested applicants should submit a detailed curriculum vitae (including a complete list of publications, presentations, and grant awards), statement of research and teaching interests and career goals, reprints of selected refereed publications, and copies of undergraduate and graduate transcripts. Applicants also should request that letters of reference be submitted independently by three individuals. To ensure adequate consideration, a complete application package must be received by **01 February 2006**; however, this position will remain open until a suitable candidate has been selected. Please submit all application materials to: Mycology Search Committee, Department of Entomology, Soils, and Plant Sciences; 120 Long Hall; Clemson University; Clemson, SC 29634-0315.

Contact Dr. Steven N. Jeffers (864-656-7157; sjf-frs@clemson.edu) with questions or comments.

Clemson University is committed to affirmative action, equal opportunity, and the diversity of its workforce. "Clemson University does not discriminate against any person or group on the basis of age, color, disability, gender, national origin, race, religion, sexual orientation, or veteran's status." An offer of employment is contingent upon establishment of identity and verification of employment eligibility as required by the Immigration Control Act of 1986.

U.S. National Fungus Collections Completes Mushroom Specimen Data Entry

The U.S. National Fungus Collections (BPI) has completed the entry of data associated with its 38,000 specimens of Agaricales *sensu lato* including about 400 type specimens. Major collections included in this group are the boletes of Walter Snell and western American mushrooms of K. McKnight as well as specimens collected by J. Ammirati, E. Bartholomew, G. Bills, G. Bresadola, E.A. Burt, V. Charles, G.P. Clinton, W.B. Cooke, E.A. Dick, W.W. Diehl, G. Guzman, L.R. Hesler, H.S. Jackson, L.C.C. Krieger, O.K. Miller, M. Moser, L.O. Overholtz, D. Reid, C.L. Shear, A.H. Smith R. Vilgalys and others. This work was completed primarily by Jelina

Martel Tarrant under the direction of Erin McCray, Collections Manager. Data for the specimens of Agaricales complement data from the 750,000 specimens of all major groups of fungi and the C.G. Lloyd Herbarium available at www.ars.usda.gov/ba/psi/sbml. Data from all specimens at BPI except the Myxomycetes and the exsiccata have been entered. Data for the 40,000 specimens of Myxomycetes at BPI will be entered by personnel at the University of Arkansas as part of the NSF-funded Planetary Biodiversity Inventory headed by Dr. Steve Stephenson and Fred Spiegel.

—Amy Rossman
Director of U.S. National Fungus Collections

MYCOLOGICAL CLASSIFIEDS

Fellowships Available at Texas A&M

Ph.D. Fellowships funded by the USDA National Needs Graduate Fellowship Program are available in the Department of Plant Pathology and Microbiology at Texas A&M University. The focus area for the program is Fungal Biology and Emerging Issues in Agriculture. Our program is designed to develop leaders in agricultural science. Training in responding to emerging plant diseases, agricultural

multiculturalism and leadership will supplement research in fungal biology and fungus-plant interactions. Applicants must be US citizens. Members of underrepresented minority groups are encouraged to apply for these and other Fellowship opportunities at Texas A&M. A description of research opportunities can be found on our web site (<http://plantpathology.tamu.edu>) and/or by contacting **Dr. Daniel Ebbole** (d-ebbole@tamu.edu).

Summer Biology of Fungi Course Offered in Virginia

June 26-July 22. Biology of Fungi will be taught by **Rytas Vilgalys** during the second summer session at Mountain Lake Biological Station (www.mlbs.org). The course will cover basic field identification and experimental methods used to study fungal genetics, ecology and evolution. Field trips will survey the taxonomic diversity of fleshy fungi from diverse habitats in the southern Appalachians. Laboratory exercises will use filamentous fungi to demonstrate methods for identification, culture techniques, breeding systems, genetic analysis and interaction biology. This is a college-credit course for advanced undergraduates, graduate students and teachers seeking enrichment credit. Students may also seek additional credits through independent study. The Mountain Lake Biological Station is located in southwestern Virginia, not far from Blacksburg, VA. MLBS provides a wide array of natural environments as well as modern laboratories and on site living accommodations. Financial aid is available for qualified applicants. For information, contact R. Vilgalys (fungi@duke.edu) or visit www.mlbs.org.

Food- and Air-Borne Fungi Course Offered in Ottawa

Introduction to Food- and Air-Borne Fungi. 12-16 June 2006. Ottawa, Canada. More than 100 mould and yeast species common in indoor air and on food will be examined, including important species of *Penicillium*, *Aspergillus*, *Fusarium*, *Trichoderma*, *Stachybotrys*, *Cladosporium*, *Mucor*, *Rhizopus*, *Alternaria* and *Scopulariopsis*. This 5 day course is appropriate for those interested in food spoilage, indoor air quality, industrial hygiene, mycotoxins, pharmaceuticals, biodeterioration, etc. Instructors: Robert A. Samson and Jos Houbraeken, Centraalbureau voor Schimmelcultures. Keith A. Seifert and John Bissett, Agriculture and Agri-Food Canada. For more information, please contact Keith A. Seifert, Biodiversity Theme (Mycology & Botany), Eastern Cereal and Oilseed Research Centre, 960 Carling Ave., Agriculture and Agri-Food Canada, Ottawa, Ontario K1A 0C6 CANADA. Phone: 613-759-1378. Fax: 613-759-1701. Email: seifertk@agr.gc.ca or visit the course web site at <http://www.indoormold.org> (under courses).

New Field Guide

Please consult our website Mushrooms-Millers.com for information on our new field guide—North American Mushrooms, a Falcon Press Field Guide. It will be published in April with 570 color plates, glossary, extensive bibliography, and a visual key. The price will be \$ 25.95. The website gives examples from the guide.

—Orson K. Miller Jr. &
Hope H. Miller

Mold Testing and Identification Services

Identification and contamination control for buildings, food technology, animal and plant diseases. ASTM & Mil-Spec testing for fungal resistance of materials. 10% discount for regular and sustaining MSA members. Please contact Steve Carpenter at microbe@pioneer.net or voice mail at 541.929.5984. Surface mail send to Abbey Lane Laboratory, LLC, PO Box 1665, Philomath, OR 97370 USA. For more information see www.pioneer.net/~microbe/abbey-lab.html

FOR SALE: Mycological Journals

MYCOLOGIA. Vols. 43 to 97. (1951-2005) Unbound. A few numbers missing in early volumes; otherwise complete, and in good condition

MYCOOLOGICAL RESEARCH. Vols. 92 -103. (1989 - 1999), Unbound. Vol. 97 missing part 9, otherwise complete and in good condition.

MYCOSCIENCE. VOLS. 41-46 , (1999-2005) Unbound.. In good condition.

Purchaser pays shipping cost. Contact R. D. Goos for further details. E-mail: Rgoos@uri.edu or R. D. Goos, Department of Biological Sciences, University of Rhode Island, Kingston, RI, 02881.

MYCOLOGY ON-LINE

Below is an alphabetical list of websites featured in *Inoculum* during the past 12 months. Those wishing to add sites to this directory or to edit addresses should email <rbaird@plantpath.msstate.edu>. **Unless otherwise notified**, listings will be automatically deleted after one year (at the editors discretion). * = New or Updated info (most recent *Inoculum* Volume-Number citation)

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

Australasian Mycological Society Website
for Introductory Fungal Biology (53-4)
bugs.bio.usyd.edu.au/mycology/default.htm

Authors of Fungal Names (54-2)
www.indexfungorum.org/AuthorsOfFungalNames.htm

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

British Mycological Society (54-1)
britmycolsoc.org.uk

Cordyceps Website
www.mushtech.org

Corticoid Nomenclatural Database (56-2)
phyloinformatics.org

Coverage in Ukraine of Higher Fungal Ranks (56-2)
www.cybertruffle.org.uk/lists/index.htm

Cybertruffle's Fungal Valhalla (56-2)
www.cybertruffle.org.uk/valhalla/index.htm

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

Distribution Maps of Caribbean Fungi (56-2)
www.biodiversity.ac.psiweb.com/carimaps/index.htm

Distribution Maps of Georgian Fungi (56-2)
www.cybertruffle.org.uk/gruzmaps/index.htm

Distribution Maps of Ukrainian Fungi (56-2)
www.cybertruffle.org.uk/ukramaps/index.htm

Electronic Library for Mycology (56-2)
www.cybertruffle.org.uk/cyberliber/index.htm

European Powdery mildews (52-2)
nt.ars-grin.gov

Fun Facts About Fungi (55-1)
www.herbarium.usu.edu/fungi/funfacts/factindx.htm

Funga Veracruzana (53-6)
www.uv.mx/institutos/forest/hongos/fungavera/index.html

Hadrianus Junius Stinkhorns (52-2)
www.collectivesource.com/hadrianus

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

ING (Index Nominum Genericorum) Database (52-5)
rathbun.si.edu/botany/ing/ingForm.cfm

Interactive Catalogue of Australian Fungi (52-1)
www.rbgmelb.org.au/fungi/

Interactive Key, Descriptions & Illustrations
for *Hypomyces* (52-6)
nt.ars-grin.gov/taxadescriptions/hypomyces/

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

Mycologia On-Line (53-3, page 18)
www.mycologia.org

Mycological Progress (52-3)
www.mycological-progress.com

The Myconet Classification of the Ascomycota
www.umu.se/myconet/Myconet.html

Mycosearch web directory/search engine (51-5)
www.mycosearch.com

Mushroom World [new Korean/English site in 2001] (51-6)
www.mushworld.com

NAMA Poison Case Registry (51-4)
www.sph.umich.edu/~kwcee/mpcr

Pathogenic Fungi From South Africa (52-4, page 29)
nt.ars-grin.gov/fungalDATABASES/southafrica
or www.saspp.co.za/

Plant-associated Fungi of Brazil (54-2)
nt.ars-grin.gov
(Select Search Fungal Databases, option 3, Host-Fungus
Distributions)

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 Website
members.cox.net/mushroomsinart/

Searchable database of culture collection
of wood decay fungi (56-6, page 22)
www.fpl.fs.fed.us/rwu4501/index.html

Species of Glomeromycota Website (55-3)
www.amf-phylogeny.com

Systematics of the Saprolegniaceae (53-4)
www.ilumina-dlib.org

Tripartite Similarity Calculator (55-1)
www.amanitabear.com/similarity

U.S. National Fungus Collections (BPI)
Complete Mushroom Specimen Database (57-1, page 21)
www.ars.usda.gov/ba/psi/sbml

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

CALENDAR OF EVENTS

Event dates and descriptions (**bold**) precede event locations (*italic*), contacts (plain font), and Email/Websites (**bold**, no brackets). Those wishing to list upcoming mycological courses, workshops, conventions, symposia, and forays in the Calendar should submit material formatted as shown below and include complete postal/electronic addresses.

2006 (March 15-17)

Advances in Research on Toxigenic Fungi and Mycotoxins in South America Ensuring Food and Feed Safety in a Myco-Globe Context

Villa Carlos Paz, Córdoba Province, Argentina
www.argentinamycoglobe.com

2006 (August 21-26)

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Wieland Meyer, Chair
Ceri Pearce, Vice-Chair
www.sapmea.asn.au/imc8

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MSA/CPS/APS Meeting

Québec City, Québec, Canada
Centre des Congrès de Québec

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