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Important Dates
February 23, 1998 — Next Inoculum Deadline
1998 MSA Annual Meeting
March 1 - T-shirt Design Due
May 15 - Registration Due
June 11-16 - Meeting
1998 Award Deadlines
March 2 - IMC6 Travel
March 16 - Weston Teaching
March 20 - Smith Research
April 1 - Martin-Baker
April 3 - Distinguished Mycologist
- Alexopoulos
- Graduate Fellowship

About This Issue
I would like to take this opportunity to thank Ellen Farr for her support and guidance during the current editorial transition and to commend her for the excellent achievements made during her three-year tenure as editor of Inoculum. She successfully negotiated the change to a more frequent (bimonthly) publication schedule and ensured the arrival of time-sensitive information well before (rather than just after) the fact. Her outstanding editorial skills and devotion to both copy detail and general lay-out have resulted in a professional publication of which we, as a society, should be very proud.

Inoculum will continue to be published by Allen Press and mailed with issues of Mycologia, but its appearance will gradually change over the next few months. By incorporating illustrations and more feature articles, we hope to encourage members to view Inoculum as a place to publish material on all aspects of mycology. As always we welcome news items, announcements and brief articles, but all members are now heartily encouraged to submit black-and-white photographs or line drawings of mycological merit. (See the masthead on page 9 for details about submitting material for the newsletter.) I am looking forward to working with all of you to produce an informative and entertaining publication that will continue to meet the high standards set by Ellen.

Lorelei Norvell

The germination of a mycologist

by Guillermo Pimentel
The following letter was originally sent (as an e-mail) to Dr. Daniel Cooley (University of Massachusetts, Dept. of Microbiology) in response to a query on the MSA bulletin board. It was forwarded to us by President Mary Palm and is being used with permission of the author.

My name is Guillermo Pimentel, and I am a Ph.D. graduate student in the Department of Plant Pathology at Washington State University. I’m working with the population genetics and systematics of Tilletia species (Basidiomycetes, Ustilaginales) using molecular markers. I would like to share with you my experience as an undergraduate that decided my love for fungi.

I received my bachelor’s degree in industrial microbiology at the University of Puerto Rico at Mayaguez. When I first started, I was planning to go to medical school, but the medical mycology course that I took changed my life forever. The professor, Dr. Carlos Betancourt, was an excellent teacher who was very active in the classroom. He walked among the students while lecturing, asking a lot of questions and challenging students all the time. Trust me, no one was able to sleep during class because he would call students’ names and ask them questions.

Dr. Betancourt knew that his course in medical mycology might be the only one where his students would be in contact with fungi, so he made sure that we knew all the basics of this challenging field. He began with the historical importance of
Aspergillus, taxonomy, emphasizing air contaminants like Penicillium, Aspergillus, and Cladosporium. Then came the importance of fungi in the pharmaceutical and food industries where he covered such details as FDA regulations, clean rooms, HEPA filters, and production problems caused by fungi. Finally he covered medical mycology.

The medical mycology class was so interesting and popular that it was very hard to find an opening during registration. We had a three hour lab that was the best lab I ever had in my life. We were able to handle many different fungi, including human pathogens, and we were required to do a small research project. My project changed my plans for medical school, for I realized I really love doing research. (My dad did not approve the idea ... oh, well!).

Dr. Betancourt’s ideas were challenging and required students to use their imaginations. For example students studied how many fungi could be isolated from chocolates (such as M&Ms, Snickers, and 3 Musketeers), toilet paper, kitchen and bathroom surfaces, or the student center cafeteria. One student even studied the population of air contaminants at different altitudes on a mountain. From our research we came to understand how important these organisms are in our daily lives.

After I finished my undergraduate degree, I went to Dr. Betancourt and told him that I was planning to go into research and that I would love to do my Master’s degree with him. At first he told me ‘no’ because he already had eight graduate students. But after a week he called and said, “What the heck, if I have eight, I can have one more!”

In addition to me, two more students entered the Masters program, so there were 11 graduate students all working on their own original projects. They were not expensive projects (actually mine was the most expensive because I chose to combine taxonomy and molecular markers), but they were interesting and relevant. Among our research topics were the mycoflora of contact lenses, investigation of the ‘sick building’ syndrome, monitoring of the seasonal fluctuation of air contaminant populations, a mushroom survey, and the evaluation of industrial disinfectants and cleaning processes. While a teaching assistant for the medical mycology lab, I discovered that my passion for teaching and research was so great that I wanted to continue for a Ph.D. in mycology.

I came to Washington State University because this department has formal courses in introductory mycology, Ascomycetes, Basidiomycetes, fungal genetics, and lower fungi, one of the few departments in the United States offering such a wide range of courses. In the future I would like to enter the medical mycology field, but first I want to get as much mycological training as possible. That’s the fun of being a mycologist: you can find a job as a plant pathologist or a medical mycologist in the agricultural or pharmaceutical industry.

So what is important in an undergraduate course in mycology?

1. Professors must be very active during lecture and ask challenging questions of students.

2. They must demonstrate the importance of fungi in our daily life (food, medicine, air contaminants, human and plant pathogens, decomposers, molecular research tools, opportunistic pathogens).

3. They must develop a good culture and fungal collection to use in lab. (The lab should be 75% practice and 25% theory.)

4. Most importantly, they must instill an awareness of why we need more professionals with a mycological background.

Guillermo concludes with — I hope that my experience will be of interest to you. If you want, I can send you a summary of the undergraduate medical mycology course that I took (I still have my notebooks). Thank you for your interest in undergraduate students and teaching. I hope I can meet you some day in the future.

Sincerely, Guillermo Pimentel
Department Of Plant Pathology
Washington State University
P O Box 646430
Pullman WA 99164-6430
E-mail: gpiment@mail.wsu.edu
MSA Official Business

1998 MSA T-shirt Design Competition Reminder

There is still time for budding and budded graphic artists and illustrators to create a T-shirt design for the joint 1998 MSA-ALBS annual meeting (June 13–16) in San Juan Puerto Rico.

The annual meeting T-shirt is now a MSA tradition and an important source of income for the Society’s endowment fund. In addition to the prestige of having your work published on an article of clothing, and the satisfaction of contributing to the MSA endowment, you can actually earn a commission of $75 plus one complimentary shirt bearing your design and signed by MSA President Mary Palm (and as many other officers and councilors of the society as we can find), for submitting the selected design! Submissions will be reviewed by endowment committee members who will select one winning design. Designs should be submitted by March 1, 1998. Multiple colors and tropical mycology themes should be included as design elements.

Reminders:

MSA Annual Awards

Below is a (very) brief summary of deadline dates, checklist of supporting materials, and addresses. Recipients of these awards will be announced at the annual meeting in Puerto Rico. Complete details are given in *Inoculum* 48(6) (December, 1997).

*Deadline 16 March 1998

William H. Weston Prize for Excellence in Teaching

Nominators should send current *curriculum vitae* (including courses taught in mycology, plant pathology and related areas), list of graduate students (with research topics, degrees and dates, publications, and current addresses), list of publications, seminars, etc., statement from the nominee on teaching philosophy, list of previous awards or recognition for outstanding teaching, and complete evaluation folder compiled by the nominators to Dr. Donald G. Ruch, Chair, MSA Teaching Committee, Biology Department, Ball State University, Muncie, IN 47306-0440. <druch@bsu.edu>.

*Deadline 20 March 1998

Alexander H. and Helen V. Smith Research Fund

The applicants should send their proposals indicating how their study of Alex’s specimens and manuscripts would advance their work with estimated budgets and current curricula either to Dr. Timothy J. Baroni, Chair, Smith Awards Committee, Dept. of Biological Sciences, SUNY College at Cortland, PO Box 2000, Cortland NY 13045 <baronitj@snycorva.cortland.edu> or to other Committee members (Dr. Robert Fogel, Dr. James M. Trappe, Dr. Nancy S. Weber).

*Deadline 1 April, 1998

Martin-Baker Endowment Fund

Applicants should send four copies of *curriculum vitae* (with publication lists and alternative support sources) and three-page research proposals to Dr. Kenneth Wells, 601 Indian Camp Creek Road, Hot Springs, NC 28743. Phone: 704-622-7273. <kwells@madison.main.nc.us>

*Deadline April 3, 1998

Distinguished Mycologist Award

Nominators should send 4 copies of the nominating letter, *curriculum vitae*, list of the nominee’s publications, and up to five additional letters of support to each member of the awards committee (see below).

Alexopoulos Prize

Nominators should send one copy of a nominating letter and up to five additional supporting letters together with 4 copies of the *curriculum vitae* and 7-10 reprints of the nominee’s most significant papers to the Award Committee Chairman (see below).

MSA Graduate Fellowships.

Send one copy of a *curriculum vitae*, five-page study plan, two letters of recommendation, graduate school transcripts, student Social Security number and Student ID number to each of the four members of the Awards Committee (see below).

MSA Awards Committee members:

Chair, Dr. Daniel Wubah, Dept of Biology, Towson State University, Towson, MD 21204. Phone: 410-830-3123. Fax: 410-830-2604. <e7B2wubah@toe.towson.edu>.

Dr. Joanne Tontz Ellzey, Dept. of Biological Sciences, University of Texas, El Paso, TX 79968-0519. Phone: 915-747-6880. Fax: 915-747-5808, <jellzey@mail.ustep.edu>.

Dr. David Hibbett, Harvard Univ. Herbaria, 20 Divinity Ave. Cambridge, MA 02138. Phone: 617-496-3374. Fax: 617-495-9484. <d_hibbett@harvard.edu>.

Dr. Gary J. Samuels, USDA-ARS Syst. Bot. & Mycology Lab, Rm. 304, B-011A, BARC-West 10300 Baltimore Ave., Beltsville, MD, USA 20705-1523. Phone: 301-504-8279. Fax: 301-504-5810. <gary@ar.syst.bot.gov>.

IMC6 Travel Awards

Last year the Mycological Society Council voted to award up to ten $1,000 travel grants to MSA members who are to be speakers in *contributed symposia* or who will be presenting posters at IMC6 in Israel.

Applications should include the following:

1. Title or abstract of symposium paper or poster
2. *Curriculum vitae*
3. A detailed budget, including additional sources of funding obtained or sought.
4. (Students) A one-page description of the research project and an explanation as to
MSA news, continued

how this award will further the research/study.

5. (Students) A letter of support from the major professor (can be sent directly to the committee chair)

Applications (in triplicate) should be received by March 2, 1998 by the Chair of the Travel Awards Committee. Awardees will be notified by mid-April 1998.

Dr. Faye Murrin, Chair
MSA Travel Awards Committee
Department of Biology

Memorial University
of Newfoundland
St. John's, NF, A1B 3X9
Canada

(Other committee members are Dr Don Gardner and Dr. Mike Milgroom.)

Mycology Online

Visit the MSA Home Page at:
http://www.erin.utoronto.ca/soc/msa/. Members can use the links from the MSA Home Page to access MSA resources maintained on other servers.

To subscribe to MSA Post, the MSA bulletin board service, e-mail <listproc@mail.erin.utoronto.ca>.

The text of the message should say subscribe MSAPost Your Name.

Instructions for using MSAPost are found on the MSA Home Page and in Inoculum 48(1): 5.

Tokyo Code

The MSA Committee on Nomenclature reports that the 1994 International Code of Botanical Nomenclature (Tokyo Code) is currently available on the world wide web through the International Association of Plant Taxonomists. It can be found at: http://www.bgblm.fu-berlin.de/iapt/nomenclature/code/tokyo-e/default.htm.

Mycological News

Mid-Atlantic Meeting

MASMC (Mid Atlantic States Mycology Conference) has been scheduled for April 25-26, 1998 at Virginia Tech, Blacksburg, VA. Notices will be sent out soon to mycologists who have previously attended. All are invited. If you have not been involved previously, contact Dr. O. K. Miller at <russula@vtvm1.cc.vt.edu> or (Fax) 540-231-9307. Your name will be added to the list and you will receive notification, registration, and directions to the meeting.

Ninth International IUMS Mycology Congress Sydney 1999

The next IUMS Mycology Congress will be held in Sydney 16 - 20 August 1999. The congress will be jointly with the Bacteriology and Applied Mycology Division. The venue is at the Convention Centre in Darling Harbour- Sydney which can host up to 3000 participants. Together with the local programme committee (chair John I. Pitt) an exiting scientific programme is in preparation. For the Sydney Mycology congress much attention will be given to taxonomy and medical fungi. For the plenary sessions the following topics have been selected.

-- Species concepts in modern Taxonomy (conveners -- L. Kohn & G. Samuels)
-- Biodiversity and biogeography of Australian Fungi
-- Antifungal resistance (convener -- D. Ellis)
-- Biosynthesis of secondary metabolites of culturable and non-culturable filamentous fungi (conveners -- G. Bills & J. Tkacz)
-- Population genetics of fungi (convener -- J. Taylor)

For the 30 special symposia sessions on the biodiversity and taxonomic developments in the Agaricales, Aphyllophorales, Ascomycetes, Deuteromycetes, Oomycetes, Endogonales, Trichocomaceae, Erisiphales, Rust & smuts, and Yeasts are in preparation, each with an Australian mycologist as convenor. Several sessions on topics with mutual interest will be jointly with the Bacteriology and Applied Microbiology Division. Prior to the congress two workshops are planned. One workshop will be on Dermatophytes and related fungi (convener Lynn Sigler & D. Parr) and Ascomycetes with special emphasis on their anamorphs (conveners Amy Rossman & Keith Seifert). The Australian Mycological Society (Cheryl Grgurinovic & Jack Simpson) is planning several forays around Sydney or elsewhere in Australia.

For more information contact
Tourhost secretaris, GPO Box 128, Sydney, NSW 2001, Australia. Email: <ixiahmm99@tourhost.com.au>. Information will be also regularly published in Inoculum.
-- Rob Samson (Chairman, IUMS Mycology programme)

News of Mycologists

Pavel Lizon will succeed Jean Boise Cargill as Editor-in-Chief of Mycotaxon beginning with Volume 68 (July-September 1998) of the journal. As of December 1, 1997, any new manuscript submissions should be directed to Dr. Lizon at the following address:
Mycological Classifieds

Read the Mycological Classifieds for announcements of courses, employment opportunities, positions wanted, and mycological goods and services offered or needed.

Courses

Introduction to Food and Air-borne Fungi. Sponsored by Centraalbureau voor Schimmelcultures (CBS, Netherlands) and the Eastern Cereal and Oilseed Research Centre (ECORC), Research Branch, Agriculture and Agri-Food Canada. Date and Location: 22-26 June 1998, University of Ottawa, Ottawa, Ontario, Canada. Instructors: Rob Samson & Ellen Hoekstra (CBS) and Keith Seifert & John Bissett (ECORC). For more information, or to preregister, contact Keith A. Seifert, Eastern Cereal and Oilseed Research Centre, William Saunders Bldg., Agriculture and Agri-Food Canada, Ottawa, Ontario K1A 0C6 CANADA. Phone: 613-759-1378. Fax: 613-759-1599. Email: seifertk@em.agr.ca.

Positions available

Postdoctoral Position -- Fisk University, Nashville, Tennessee. Available immediately to study the molecular mechanism of dimorphism in Candida albicans. This position requires experience in protein purification, and working ability in molecular biology and microbiology. Published experience in yeast physiology is desirable. This person is expected to develop an active research program with minimum supervision and this ability needs to be documented. Salary according to experience. Please send curriculum vitae and three letters of reference to Dr. M. Gunasekaran, Department of Biology, Fisk University, Nashville, TN 37208.

Postdoctoral Research Associate, Fairmont State College, West Virginia. Applications are invited for a postdoctoral position to assist in a study of the biodiversity and ecology of Neotropical myxomycetes. This two-year position, which is being funded by a grant from the National Science Foundation, will begin on Aug. 15, 1998, at an anticipated starting salary of $26,000 per year plus benefits. A Ph.D. in mycology or a related area of the biological sciences is required. Applicants with some expertise in molecular systematics are preferred. The successful candidate will be responsible for carrying out field studies in Central and South America, supervising undergraduate student research projects, and developing and analyzing computer databases. To apply, send letter of application summarizing academic background and research experience, curriculum vitae, copies of university transcripts, and three letters of reference to: Dr. Steven L. Stephenson, Department of Biology, Fairmont State College, Fairmont, West Virginia 26554, Tel. (304) 367-4158; Fax: (304) 367-4304; E-mail: sls@fscvax.wvnet.edu

Steve Stephenson is pleased to announce that Jim Clark (University of Kentucky) and Donna Moore (University of Arkansas) will assist in the Slime Mold Workshop scheduled to be held in conjunction with the MSA Meeting in San Juan, Puerto Rico, this coming June. Other instructors for the workshop are Jim Cavender, John Landolt, and Fred Spiegel.

Mycological Goods and Services

Artist Marie F. Heerkens, an “artist who loves mushrooms and all there is to know about them.” would like to supply drawings for a professional mycologist in need of them. She may be reached at <Imfrisian@aol.com> or 7763 Main St. Fishers, Victor, NY 14564.

Mold Identification Services. We identify molds and other fungi for Industry, Agriculture and Academia. Information is available via e-mail at microbe@pioneer.net, home page www.pioneer.net/~microbe/abbeylab.html or by writing Cascade Research Associates & Abbey Lane Laboratory, PO Box 1665, Philomath, OR 97370 USA. VoiceMail 541-929-5984. [Steven Carpenter]

Mycological News, continued

Dr. Pavel Lizon, Editor-in-Chief, MYCOTAXON
Plant Pathology Herbarium
401 Plant Science Building
Cornell University
Ithaca, NY 14853-4203 USA

Dr. Lizon has served as Assistant Editor of Mycotaxon and been involved with production of the journal since Volume 58 (April-June 1996). He is former Chairman of the MSA Advisory Committee on Nomenclature and former Curator of Fungi and Head of the Department of Botany at the Slovak National Museum, Bratislava. His current research projects include the Mycobiotic survey of the Discomycetes of Micronesia, Biodiversity of macrofungi of Andros Island (Greece, Cyclades 'Archipelago) and a Checklist of Slovak Fungi.

Steve Stephenson is pleased to announce that Jim Clark (University of Kentucky) and Donna Moore (University of Arkansas) will assist in the Slime Mold Workshop scheduled to be held in conjunction with the MSA Meeting in San Juan, Puerto Rico, this coming June. Other instructors for the workshop are Jim Cavender, John Landolt, and Fred Spiegel.
Calendar of Events

1998 (February 21–25). 13th North American Mushroom Conference (NAMC), San Francisco at the Fairmont Hotel. For further information contact the American Mushroom Institute, One Massachusetts Avenue, NW, Suite 800, Washington DC 20001-1401, Phone 202-842-4344, Fax: 202-408-7763. <ami@mwm-law.com>.

1998 (March 9–11). Northeastern Forest Pest Council Annual Meeting, Fredericton, New Brunswick, Canada. The draft program being developed promises to cover a wide variety of forest health and plant quarantine issues including both forest insects and forest diseases. The final program will be circulated to this list as the meeting approaches. For those unfamiliar with the Northeastern Forest Pest Council, the annual meeting provides a forum for representatives from the northeastern United States and the adjacent Canadian provinces of Ontario, Quebec, New Brunswick, Nova Scotia, Prince Edward Island and Newfoundland to share State and Provincial forest pest highlights, forest health, plant quarantine and integrated pest management issues with participants from government agencies (Federal, States and Provinces), universities, industry, research organizations, etc. It includes the Gerald Lanier Graduate Student Forum for students at any stage in their graduate research programs. For additional information, contact the meeting co-chairs: Bruce Pendrel (Program), Canadian Forest Service, Forest Health Network, <BPendrel@fsmr.forestry.ca> and Nelson Carter (Local arrangements), New Brunswick Department of Natural Resources and Energy, <NECarter@gov.nb.ca>.

1998 (March 27–30). The Fourth Conference on the Genetics and Cellular Biology of Basidiomycetes, Jonkerbosch Conference and Training Centre, Nijmegen, The Netherlands. Registration and housing forms will be sent with the second circular. Contact: Leo J.L.D. Van Griensven. <mushyg@plex.nl>.

1998 (April 5–9). British Mycological Society’s International Symposium on “The Future Of Fungi In The Control Of Pests, Weeds And Diseases,” Southampton University, Southampton, UK. This meeting will provide an opportunity for mycologists of all persuasions to join with others in a vigorous discussion of an important issue concerning the relevance of fungi in a practical and environmental context. Fundamental aspects of the biology of fungi that impinge on the problems and opportunities surrounding the actual and potential use of these organisms as biocontrol agents will be of prime concern. Contact the Local Organizer: Dr. Chris Jackson, School of Biological Sciences, University of Southampton, Bassett Crescent East, Southampton SO16 7PX. UK. Phone: +44 (0)1703 593205 Fax: +44 (0)1703 594269. <cwj@soton.ac.uk>. (Registered Charity No. 276503).


1998 (July 1–3). ADEBIO Symposium - Monascus culture and applications, University of Toulouse, France. The symposium will cover food, cosmetics and toxicological aspects of Monascus. Abstracts of not more than 300 words should be submitted no later that 31 December 1997. Offers for posters, indicating the title and author(s), should be submitted by 1 April 1998. For further information to submit abstracts or details of posters, contact: Philippe Blanc, Genie Biochimique et Alimentaire, INSA, Complex Sciencifique de Rangueil, F-31077 Toulouse Cedex. Fax: 33 561 55 94 00. <blanc@insa-tlse.fr>.

1998 (July 6–9). International Asia-Pacific Mycological Conf. on Biodiversity and Bio-technology, Hua Hin, Thailand. Organized by: National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency (NSTDA), Co-organized by: The Committee for Mycology in Asia (MIA). The program features two keynote lectures (Dr. Amy Y. Rossman, US National Fungus Collection, USA on “Fungal Diversity in the Asia-Pacific Tropics” and Dr. Joe Baker, O.B.E., Office of the Environment, Australia on “Bioprospecting-Biotechnology Bioactive Compounds from Natural Resources”) and a number of symposia and papers.

For additional information visit the Web site: <http://www.biotec.or.th/diary/mycology/mycology.htm> or contact Ms. Parichat Kaewraksa, “Asia-Pacific Mycological Conference on Biodiversity and Biotechnology. National Center for Genetic Engineering and Biotechnology (BIOTEC), 539/2 Gypsum Metropolitan Tower, 15th Floor, Sri-Ayudhya Road, Bangkok 10400, Thailand. Phone: +66 2 642 5322 ext 116. Fax: +66 2 248 8305. <mycology@biotech.or.th>.

Mycological Society of America  
American Bryological and Lichenological Society  
1998 Annual Meeting  

REGISTRATION FORM  

Society Membership  MSA  ABLS (Circle)  

Last name  

First name  Middle Initial  

Nick name or name you like to be called  

Department or Division  

University, Company, or Organization  

Street address/Post Office Box  

City  Zip or Postal Code  State  Country  

Telephone  FAX  Email  


Registration Fees  

Meeting (Full fee covers meeting attendance and all social function)  

Student  $130.00; before May 15, 1998  $110.00  

Non-student  $240.00; before May 15, 1998  $200.00  

Spouse/SO (charges for social events only, does not cover meeting attendance)  

MSA or ABLS breakfast  $22.00; before May 15, 1998  $18.00  

Mixer  $30.00; before May 15, 1998  $25.00  

Social  $35.00; before May 15, 1998  $32.00  

Workshops  

Corticiaceae  $256.00  

Ascomycete  $273.00  

Airport pickup for above  $25.00  

Pillow, towel, bed sheets  $25.00  

Slime Molds  $100.00  

Forays  

Tropical Fungi Foray (Thursday)  $55.00; before May 15, 1998  $48.00  

Taste of P.R. Foray (Friday)  $65.00; before May 15, 1998  $58.00  

ABLS Forays (2) Information not available at this time (See next Inoculum)  

Total (registration, forays, workshops, spouse)  

Make checks payable to MSA/ABLS Registration and send to  

Harold H. Burdsall, Jr. - MSA Conference Mgr. - 9350 Union Valley Rd. - Black Earth, WI 53515  

Phone: (days) 608-231-9234 (eves) 608-767-3930  
Fax: 608-767-3920  
E-mail: burdsall@facstaff.wisc.edu
Workshops and Forays

Ascomycete and Polyporaceae/Corticiaceae Workshops: Two concurrent four-day workshops (Mon.-Thurs., plus Friday’s foray, June 8-12) will be conducted preceding the annual meeting in Puerto Rico. Only one may be attended. These workshops are intended primarily as training for students. They will concentrate on the identification of Puerto Rican species of ascomycetes, polyporaceae, and corticiaceae. Drs. J. Carranza, K-H. Larsson, K.K. Nakasone, P. Roberts, and L. Ryvarden will instruct in the polyporaceae/corticiaceae section. The ascomycete section will be taught by Drs. S. Cantrell, R. Hanlin, S. Huhndorf, D.J. Lodge, D. Pfister, J. Rogers, and G. Samuels. They will be held at Camp Yuquiyu, about 55 km from San Juan, near Luquillo and close to the tropical forests. The workshops will stress the identification, especially to genus, using macro- and microscopic characteristics. The registration fee includes instruction, room and board (lodging and food) beginning with dinner on June 7, and transportation. Housing will be in gender-segregated dormitories. More detailed information will follow in the next issue of the Incuculum. The fee will be lowered if a grant is obtained to subsidize the costs. Twenty-eight students can be accommodated in each workshop. If vacancies exist after all interested students are accommodated, established mycologists will be accepted in these workshops.

Slime Mold Workshop: This two-day workshop will be held concurrently with the forays (Slime mold workshop participants will not be able to attend the forays). It will be led by Dr. Steven Stephenson, assisted by J. Cavender, J. Landolt, and F. Spiegel. This workshop will include a day of lectures at the hotel and a day collecting in the Luquillo Mts. There will also be an evening session during the meetings for study of collections and cultures. Twenty students can be accommodated. The fee pays for instruction, supplies, and necessary transportation. Food and lodging not included.

“Taste of Puerto Rico” Foray: (Friday, June 12, 1998). This foray, led by specialists from the tropical fungi workshops, will depart the Condado Plaza Hotel at 7:30 by bus, traveling to the mountains and tropical rainforest for collecting. Included will be a stop for Puerto Rican pastries and coffee, a Puerto Rican lunch at a picnic area, and several other stops at spectacular view points. Return to the Hotel by 17:00.

“Tropical Fungi” Foray: (Thursday, June 11, 1998). This foray will depart the Condado Plaza Hotel at 7:30 by bus, traveling to the mountains and the tropical rainforest for a full day of collecting. This trip will be led by the specialists in tropical fungi who are involved in the workshops. Return to the Hotel by 17:00. Lunch included.

ABLS Foray: Information on the ABLS Foray was not available at this time.

Housing Information

The Condado Plaza Hotel has made 25% of the rooms in the MSA/ABLS block available at $99 per night (plus 18% tax) for one or two people. These rooms will be available for students in order to decrease their expenses. If these rooms are shared by 4 students (persons 3 & 4 @ 15/night) it will cost each student ca. $38/night including tax. To assure that students obtain these rooms, student housing will be arranged through Hal Burdsall, the conference manager (see room reservation forms that follow)

Others (postdocs, professors, spouses, etc.) will be charged at a rate of $110/night (plus 18% tax) for single or double, with the same $15 charge/person for more than 2 people. These attendees must arrange housing directly through the hotel. See the accompanying room registration forms. If there are more than enough lower priced rooms for the students in attendance, they will be available for other attendees on a first come first served basis, after their release from student priority. For assistance in locating a room-mate, contact Hal Burdsall, indicating preferences for smoking, and gender and number of room-mates. He will facilitate contacts among those interested.

Registration Waiver

In order to attract as many students as possible, those who otherwise will not be able to attend the meeting may assist in meeting support (AV duties, general gofer, etc.) in exchange for a registration waiver. A letter from the student requesting such a waiver, as well as a statement indicating how this meeting will impact him/her, is sufficient application. A letter signed by the major professor addressing this need must accompany the application. Decisions will be made by the registration committee on the basis of perceived need and awardees will be notified well before the early registration deadline.
Travel to Puerto Rico

Because American Airlines has the most frequent flights in and out of San Juan from the widest variety of geographical areas, American Airlines has been designated the official air carrier for the MSA/ABLS meetings in Puerto Rico.

American Airlines is offering special rates to MSA/ABLS meetings attendees. The rates will be in effect from June 8 to June 20, 1998. In order to obtain these rates call American Airlines Meeting Services desk at 1-800-433-1790 and state that you are attending the Mycological Society of America meeting (In case it is needed, refer to contract # HCH0309971849). The meeting services desk will confirm the lowest applicable fare and provide information regarding the restrictions associated with these fares.

Hotel Information

Condado Plaza Hotel and Casino
999 Ashford Avenue
San Juan, Puerto Rico 00902
Tel. (787) 721-1000
1 (800) 468-8585
FAX (787) 253-0178

Group Reservation Form

Non-Student Room Reservation Form (send directly to the Condado Plaza Hotel)
(reservations may also be made by phone to the numbers above)

Group Name: Mycological Society of America (June 10-16, 1998)
Name: ___________________________________________ Phone # __________________________
Address ____________________________________________________________
City__________________________ State_______ Country________________________ Zip code______
____ smoking ______ non-smoking ______ either
Arrival date______________ Departure date______________
Accommodation (circle): Single $110  Double $110  Triple $125 Quad $140 (plus applicable tax)
Deposit enclosed: _______. One night deposit must accompany form to guarantee reservation.
Credit Card Type_______ #______________ Exp. Date____ Signature________________________
Students - Attendees who are students studying in one of the disciplines represented at this meeting may obtain a room rate of $99/night (single or double). The room may be shared with as many as two others for $15 more per person/night. To obtain the student rate send the completed form below and the appropriate deposit to Harold Burdsall, MSA Conference Manager, 9350 Union Valley Road, Black Earth, WI 53515 (make check payable to MSA Meeting). The reservations will be made for you and your roommates by the conference manager to assure that the student rate is applied. The conference manager will also assist in finding other students to share the room and expenses.

Undergraduate and Graduate Student - Room Reservation Form

Group Name: Mycological Society of America

Name_________________________________________ Phone #________ Email________________________

Address:___________________________________________

City________________ State_________ Country________ Zip code________

I would like to room with__________________________ for $99/night plus tax; also add roommates__________________________ and__________________________ at $15 additional/night.

I (we) am (are) ____ male ____ female ____ smokers ____ non-smokers.

I do not have a roommate or want to have more roommates. Please select ____ one ____ two ____ three for me (us) (maximum of four people/room). I (we) prefer ____ male, ____ female; ____ smokers ____ non-smokers ____ either.

Arrival date____________ Departure date________________________

Please enclose the amount appropriate for the number desired in your room. The conference manager will do all possible to provide the desired number of roommates. Roommates will adjust the per person payments on site.

Enclosed is: ____ $99(for 1 or 2), ____ $114 (for 3), ____ $129 (for 4) in our room.

Please Note:

Check in: 15:00 hrs  Check out: 12:00 hrs

Automatic charge (added to room bill):

Tax & Tariff - 18%
Bellman gratuity $3.50/person
Maid gratuity $0.25/person/day

Room rates apply 3 days before and 3 days after the meeting on space available basis.

Calendar of Events, continued


1998 (August 17–21). 8th International Fusarium Workshop will be held at IMI, Egham, Surrey, UK during the week in between the 7th International Congress of Plant Pathology, Edinburgh, and the 6th International Mycological Congress, Jerusalem. The International Fusarium Workshop is held under the auspices of the ISPP Fusarium Committee and the convener of the meeting is David Brayford. Contact him at: International Mycological Institute, Bakeham Lane, Egham, Surrey, TW20 9TY, UK; or via <http://www.cabi.org/institut/imi/imi.htm>; or (preferably) by email at: <d.brayford@cabi.org>.

1998 (August 18–20). African Mycological Conference, RMC4, organized by AMA. Abstracts should reach the organizing committee by 31 January 1998. Papers for presentation at RMC4 should reach the organizing committee by 1 May 1998. For further information/arrangements contact the organizing committee at: The Organizing Committee RMC4, c/o Department of Botany, P. O. Box 30197, University of Nairobi, Nairobi, Kenya, Phone: +254-2-442014 ext. 2470/2456, Fax: +254-2-441661. Submitted: Prof. Dirk Wessels, The General Secretary, African Mycological Association, Department of Botany, University of the North, Private Bag X1106, 0727, Sovenga, South Africa.

1998 (August 23–28). Sixth International Mycological Congress, Jerusalem, Israel. (See page 8)


1999 (July 26–30). The Third International Congress on the Systematics and Ecology of Myxomycetes will be held in Beltsville, Maryland. Contact: Lafayette Frederick, Biology Dept., Howard University, Washington, DC 20059 or Steve Stephenson, Dept. of Biology, Fairmont State College, Fairmont, WV 26554. <sls@fscvax.wvnet.edu>.

1999 (August 1–7). The International Botanical Congress will be held in St. Louis, MO.


1999. III Congreso de la Asociacion Latinoamericana de Micologia, Caracas, Venezuela.

2002 August. International Mycological Congress (IMC 7), University of Oslo, Norway. In addition to lectures, symposia and poster sessions, there will be a large mushroom exhibition arranged by the Norwegian mycological organization, and exhibitions of stamps with fungi and mycological books. Pre- and post-congress excursions will be arranged as well as local excursions during the congress. Leif Ryvarden welcomes your ideas and suggestions. Botany Dept. Biological Institute, Box 1045, Blindern, N-0316 Norway. Phone: 47-22854623. Fax: 47-22856717. <leif.ryvarden@bio.uio.no>.

The Mycologist’s Bookshelf

We shall continue to list books in the newsletter received for review by Mycologia, indicating which books are currently in review and those for which a review is needed. Society members are encouraged to participate in the book review process.

[John Zak, Book Review Editor, Mycologia]

Books received November through December 1997 for review:


2. Los Nombres de los Hongos y lo Relacionado con ellos en America Latina, 1997. G. Guzmán, Instituto de Ecología, A.C., Departamento de Publicaciones, Apartado Postal 63, Xalapa 91000, Veracruz, Mexico, 356 pp, Hardcover $50 US, Softcover $30 US, E-mail: libros@sunieco.conacyt.mx. Review in process.
Sixth International Mycological Congress (IMC6)
August 23-28, 1998,
Jerusalem, Israel

By now MSA members should have received the second announcement and call for abstracts for IMC6, a packet containing registration, accommodation, and abstract forms with a preliminary program that covers Congress activities provides information on travel, accommodations and pre- and post-congress tours.

**Important deadlines**

-- March 1, 1998 Final date to apply for scholarships
-- April 20, 1998 Abstract due date
-- June 30, 1998 Final date to register at standard fee

**Lectures**

-- Key-note Lecture on Genomics and Mycology (Oliver, UK).

-- Plenary Lectures
  - Bioprospecting (Nisbet, UK)
  - Molecular Systematics and Evolution (Taylor, USA)
  - Gene Regulation & Morphogenesis (Timberlake, USA)
  - Relevance of Fungal Biodiversity (Hawksworth, UK)
  - Medical Mycology (Edwards, USA)
  - Symbiosis and Parasitism (Richardson, Canada).

**Workshops**

-- Teaching Mycology
-- Image Analysis in Fungi
-- Genetic aspects of *Fusarium oxysporum* and related species
-- Ecology of aquatic fungi
-- *Colletotrichum*
-- Yeast systematics and biodiversity
-- Pezizales
-- Ecology and interactions of *Botrytis* and *Sclerotinia*
-- IT and mycology
-- Hypocreales
-- *Mycosphaerella*

**Scheduled symposia**

-- *Fungal Biodiversity* (population genetics; fungi (with lichens) in extreme environments, biodiversity and the ecological significance of lichens, entomopathogenic fungi, fungal-microorganism interactions, fungal evolution)
-- *Cell Biology* (cell cycle, cytoskeleton and nuclear migration, structure and function of the cell wall (chitin; polysaccharides and proteins), organelle organization and function, membrane transport in filamentous fungi).
-- *Fungal Genetics* (sexual and vegetative compatibility, extrachromosomal elements, mitochondrial DNA, recombination, transcription factors)
-- *Fungal Development & Morphogenesis* (photomorphogenesis, fruiting body development, colony morphogenesis, asexual spore formation, pheromones and stress response, fungal dimorphism)
-- *Fungal-host Interactions* (plant pathology -- economic and applied aspects, ultrastructure, physiology and molecular biology, virulence genes, pathogenicity factors, ectomycorrhizae, endomycorrhizae, mycorrhizal diseases, evolutionary strategies of grass endophytes, molecular approaches to lichen symbiosis)
-- *Medical Mycology* (pathogenicity and virulence, antifungal therapy, new and emerging mycoses, host-fungus inter-actions, diagnostics)
-- *Technology* (heterogeneous gene expression, fungal food fermentation, biodegradation of wood components, bioremediation of toxic chemicals, secondary metabolism, fungal natural products and toxins)
-- *Ecology and Biosystematics* (Fundamental issues in fungal ecology, systematic & functional analysis of soil fungal communities, developing a robust nomenclatural system for fungi, diagnostic tools in fungal identification, catalogue & comparison of fungal communities.)

Registration is US$480 (US$300 student) before June 30. Additional information can be obtained from the Secretariat, PO Box 50006, Tel Aviv 61500, Israel. Phone: 972-3-5140000; Fax 972-3-5175674/514 0044; e-mail: mycol@Kenes.com. World wide web -- http://lsb380.plbio.isu.edu/ima/imc6prog.html.

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**Change of Address**

Allen Press handles such MSA membership services as maintaining the MSA mailing list, preparing mailing labels, and processing membership applications and renewals. Send all corrections of directory information, including e-mail addresses, directly to Allen Press. MSA’s contact at Allen Press, Edith Gray-Negahban, can by reached by any of the following:

Mycological Society of America  
Attn.: Edith Gray-Negahban  
PO Box 1897  
Lawrence, KS 66044-8897  
phone: 800-627-0629 (US and Canada)  
913-843-1221  
fax: 913-843-1274  
e-mail: negahban@allenpress.com

Note: A copy of the directory is on the World Wide Web (start from the MSA Home Page <http://www.erin.utoronto.ca/soc/msa/>). A form is included so members may submit corrections to the directory which will be forwarded to Allen Press.
**Fungal Biocontrol Specialist Directory Questionnaire**

*(For researchers involved in the development of fungi as biocontrol agents)*

A directory of specialists involved in the development of fungi as biocontrol agents of pests, weeds and diseases is being compiled by Tariq Butt and Mark Goettel, in association with the *Society for Invertebrate Pathology* and the *British Mycological Society*. It is hoped that sponsors will be found who will facilitate distribution of the Directory at minimal cost. The Directory will also be available on the internet. **Individuals or companies wishing to be included in the directory should provide the following information:**

Surname ______________________________ First Name(s) _________________________________

Title (Prof, Dr, Mr, Mrs, Miss, Ms): ______________________________

Organization ______________________________

Street Address ______________________________

City ______________________________ State/Province ______________________________

Country ______________________________ Postal Code ______________________________

Telephone ( ) ______________________________ Fax ( ) ______________________________

E-mail ______________________________ WWW page address ______________________________

Professional society memberships ______________________________

Fungal BCAs (common and Latin names, phylum) ______________________________

Target host (common and Latin names, phylum) ______________________________

Crop or Habitat ______________________________

Research Field (systematics, ecology, pathogenesis, laboratory and field assays, mass production, formulation, application, physiology, biochemistry, molecular biology and genetics). *(Circle appropriate fields)*

Experience or interests *(e.g. current projects, special skills, consultancy, technical or work experience relevant to the development of fungal BCAs)* ______________________________

Patents or products registered *(provide patent number and brief details of active ingredient, formulation, method of application, target hosts)* ______________________________

Keywords *(list seven words that identify the fungi you work with and their target host(s) and describe your expertise and/or areas of interest)*: ______________________________

Please return completed form(s) *(preferably via e-mail)* by 10th April, 1998 to:

Dr. Tariq M. Butt  
IACR-Rothamsted  
Harpenden, Hertfordshire AL5 2JQ UK  
tel. +44 (0)1582 763133 ext 2431  
fax +44 (0) 1582 760981  
e-mail: Tariq.Butt@bbsrc.ac.uk
MSA Endowment Funds Contributions

I wish to contribute $__________ to the following named fund(s):

**Mentor Travel Funds:**
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- Barksdale/Raper
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- Fitzpatrick
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- Thiers

**Research Funds:**
- Backus Graduate Award
- Martin-Baker
- A. H. and H. V. Smith Award

**Other Funds:**
- Alexopoulos Prize
- Uncommitted Endowment
- Other (specify)

I wish to pledge $__________ a year for _______ years

____ to the following fund(s): ________________

____ to the uncommitted endowment, or

____ to some other specified purpose:

Name and Address:

Name:

Address:

____ Check

____ Credit Card Type (Visa, Mastercard, etc.):

Credit Card No.: ________________ Exp. Date: ________________

Signature: ________________

Please send this completed form and your contribution to:

Dr. Jeffrey Stone, Chair, MSA Endowment Committee
Department of Botany and Plant Pathology, Cordley 2082,
Oregon State University, Corvallis, OR 97331-2902
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Stanton, MN 55081-4308
Producers and distributors of agricultural seed.

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Kenilworth, NJ 07033-0539
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Sylvan Spawn Laboratory, Inc.
Attn: R. W. Kerrigan
Sylvan Research, Bldg. 2
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2800 Plymouth Road,
Ann Arbor, MI 48106-1047

You are encouraged to inform the Sustaining Membership Committee of firms or foundations that might be approached about Sustaining Membership in the MSA. Sustaining members have all the rights and privileges of individual members in the MSA and are listed as a Sustaining Members in all issues of Mycologia and Inoculum.
An Invitation to Join MSA
THE MYCOLOGICAL SOCIETY OF AMERICA
1998 MEMBERSHIP FORM

(Please print clearly)

Last name: ________________________________ First name: ________________________________ M.I.: __________________

Dept./Street: ____________________________________________________________________________

Univ./Organization: _______________________________________________________________________

City: __________________ State/Prov.: _____________ Country: _______________ ZIP: _____________

Telephone: (____)_________________ E-mail: _________________________ Fax: (____)______________

MSA member endorsing application:

Name (printed) ________________________________ Signature ___________________________________

TYPE OF MEMBERSHIP

___ Regular $60 (includes Mycologia and MSA newsletter, Inoculum)

___ Student $30 (includes Mycologia and MSA newsletter, Inoculum) (needs endorsement from major professor or school)

___ Family $60 + $30 for each additional family member (fill out form for each each individual) (includes one copy of Mycologia and two copies of Inoculum)

___ Sustaining $250 (benefits of Regular membership plus listing in Mycologia and Inoculum)

___ Life $1,000 (one-time payment; includes Mycologia and Inoculum)

___ Associate $30 (includes only Inoculum)

___ Emeritus $0 (benefits of Regular membership except Mycologia; $30 with Mycologia)

AREAS OF INTEREST: [Mark most appropriate area(s)]

___ Cell Biology – Physiology (including cytological, ultrastructural, metabolic regulatory and developmental aspects of cells)

___ Ecology – Pathology (including phytopathology, medical mycology, symbiotic associations, saprobic relationships and community structure/dynamics)

___ Genetics – Molecular Biology (including transmission, population and molecular genetics and molecular mechanisms of gene expression)

___ Systematics – Evolution (including taxonomy, comparative morphology molecular systematics, phylogenetic inference, and population biology)

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Name as it appears on the card:

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