

Newsletter of the Mycological Society of America

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April 15: Deadline: *Inoculum* 54(3)

July 27-31, 2003: MSA-BMS, Alilomar, CA

Editor —

Donald G. Ruch
Department of Biology
Ball State University
Muncie, IN 47306-0440 USA
765.285.8829 FAX 765.285.8804
druch@bsu.edu

MSA Homepage:
<http://msafungi.org>

The Costa Rican Mycology Training Workshops

by Sabine M. Huhndorf, Roy E. Halling,
Gregory M. Mueller and Fernando A. Fernández

Questions or comments should be sent to Sabine Huhndorf via Department of Botany, THE FIELD MUSEUM, 1400 S. Lake Shore Drive, Chicago, IL, 60605 or Email: <shuhndorf@fieldmuseum.org>

WORKSHOPS OR SHORT TRAINING PROGRAMS in fungal systematics/biodiversity are a good way to generate interest in mycology and begin to fill the knowledge gap for these important organisms.

The poor knowledge of fungi and lack of trained mycologists is especially prevalent in tropical countries. The National Science Foundation, through its PEET and Biotic Surveys and Inventories Programs has funded a number of mycological training workshops in Central and South America in the last five years. In 1998, ascomycete and basidiomycete workshops were held prior to the annual meeting of the Mycological Society of America in San Juan, Puerto Rico (<http://www.erin.utoronto.ca/~w3msa/inoculum.htm> September-October 2001, pdf document) and in 1999 workshops for both groups were held prior to the III Latin American Mycological Congress in Caracas, Venezuela. In 2002, an ascomycete taxonomy workshop was held prior to the IV Latin American Mycological Congress in Xalapa, Mexico (<http://lsb380.plbio.lsu.edu/Xalapa%20folder/Xalapa>).

Two recent, very successful workshops held in Costa Rica demonstrate the way workshops can enhance capacity building and can foster international collaboration. In November 2001 and December 2002 respectively, NSF-funded, training workshops on taxonomy of tropical basidiomycete and ascomycete fungi were held in Costa Rica (funded by supplements to DEB-9972018 and DEB-0072684). The workshops were designed to provide Central American students and parataxonomists the opportunity to work with mycologists specializing



Maria Oses looks on while Dick and Jack consult an ascomycete key.

in different aspects of taxonomy, ecology and diversity of these fungi. One of the goals was to stimulate interest in basidiomycete and ascomycete fungi and generate interest in establishing mycology programs in the participants' respective countries. The primary product of these workshops is a corps of individuals who are equipped with sufficient knowledge to begin to document the fungi throughout Central America. The interactions that these attendees had with one another at the workshops will allow them to form a network to share information, resources and expertise, and possibly to apply jointly for funding for additional training, exploration, supplies, and equipment. After this initial exposure to the modern study of mycology, hopefully some attendees of these workshops will seek opportunities for advanced studies in mycology in Costa Rica, Europe, or the United States. With advanced training, these professional mycologists will probably be in a position to create awareness of the role and importance of fungi in forest management and conservation, in their countries, and thus will add a much needed but currently lacking dimension to the understanding of the biodiversity of the region.

A Basidiomycete workshop was held November 9-16, 2001 at the Quetzal Education Research Center (QERC) in San Gerardo de Dota, Costa Rica. The QERC research station, which just opened in May 2001, is administered by Southern Nazarene University, Oklahoma, via a lease from a local family who operate the Savegre Mountain Hotel. The QERC is located in the Los Santos Forest Reserve of the Cordillera Talamanca, Costa Rica, at an elevation of 2200 m. The area is dominated by species of *Quercus* on the Pacific slopes of the Savegre River valley located about 5 km SW of Cerro de la Muerte and is classified as montane cloud forest. This region has been one of the most important research areas for Mueller and Halling's *Macrofungi of Costa Rica* project. The QERC station is equipped with sleeping quarters for about 30 people and has an ample laboratory area ideal for teaching and research. The station also provides easy and near access to several trails which facilitated collecting of fungi by all of the workshop

participants. Microscopes, specimen driers, reference literature and other necessary equipment were provided by University of Costa Rica (UCR). UCR supplied a bus to transport participants from San José to San Gerardo.

Dr. Julieta Carranza (UCR) coordinated the complicated logistics and served as the primary instructor with her expertise in polypores. Dr. Esperanza Franco from the Universidad de Antioquia (Colombia) and Milagro Mata from INBio (Costa Rica's National Institute of Biodiversity) gave much of the basic background on Basidiomycete morphology and taxonomy as well as on Agaricales in general. Armando Ruiz (from Costa Rica's National Museum) provided expertise in Poriales, and Dr. Robert Bandoni contributed expertise on Heterobasidiomycetes and jelly fungi. Dr. Gregory Mueller (Field Museum, Chicago) provided expertise in sampling strategies and agarics. Dr. Roy Halling (New York Botanical Garden) lectured on Boletales, and Tony Kirchgessner (NYBG) gave a demonstration of a free portable specimen database for use in the field.

Eighteen participants from throughout Central America attended the week long workshop. They included: Daniela Lizano, Carlos Rojas (Costa Rica); Rubén Carballo, Rhina Esquivel, Zoila Guerrero (El Salvador); María De La Roca, Osberth Morales (Guatemala); Karen Escobar, German Sandoval, Yeni Santos, Elia Sarmiento (Honduras); Karla Estrada, Angel Garmendia, Dalia Sánchez, Patrick Werner (Nicaragua); Elionor Aizprua, Délfida Rodríguez, Judith Sousa (Panama).

The workshop consisted of morning lectures followed by a few hours in the field gathering specimens. Groups of 4-5 students rotated each day to a different pair of instructors so that they could experience techniques, search methods, and slightly different microhabitats for which the instructors had expertise. By the end of the week, all students had spent field time with all instructors in several different collecting areas. Occasionally, another brief lecture followed lunch, but typically we all headed to the lab for hands on experience with various groups of Basidiomycetes during the afternoons and evenings.

Some of the lab time early in the week was spent in orientation on how to work with basidiomycete specimens, on both macro- and micromorphological scales. Eventually, participants became adept at using various identification aids for aphyllophorales, agarics, boletes, and heterobasidiomycetes, as well as manipulating material for hand sectioning. In the final lab session, each participant was given a fresh specimen and asked to identify it to species, if possible, and to prepare a sample description and discussion of the taxon. Fortunately, we were blessed with plentiful and varied material, but were not overwhelmed by too much diversity.

The ascomycete workshop was held December 1-7, 2002 at the Alberto Manuel Brenes Biological Reserve. This area is administered by the University of Costa Rica (UCR), and commonly used by local and foreign researchers. The station is located in the San Ramon protected zone in Northwestern Costa Rica, on the slopes of the Tilarán cordillera facing the Caribbean. In its 7,800 hectares it presents a steep altitudinal gradient, from 600 to 1700 m in only 8 km, which provides a variety of life zones, from transitional to premontane wet tropical forest, and wet premontane semideciduous forest. The area is known for its biological richness and its high endemism in flora, represented by the plant family Ticodendraceae and the showy *Heliconia ramonensis*. It is also considered one of the most important research areas in the Arenal Conservation Area. The station is equipped with sleeping quarters for 50 people and an ample laboratory area ideal for teaching and research. Several field courses (ecology, reptiles, amphibians, etc.) of UCR are also taught at the station throughout the year. The station also provides easy and near access to several trails which facilitated collecting of fungi by all of the workshop participants. Microscopes, specimen driers, reference literature and other necessary equipment were provided by UCR and INBio (Costa Rica's Institute of Biodiversity). UCR supplied the bus for our drive to the station.

Five instructors provided expertise in a wide range of ascomycetes. Dr. Jack Rogers from Washington State University contributed his expertise in the taxonomy of the order Xylariales as well



Ascomycete Workshop Participants. Front row, L to R: Roberto Cáceres, Rudis Rodriguez, Elionor Aizprúa, Benito Jimenez, Ronald Rodriguez; Middle row: Carlos Rojas, Karla Estrada, Melissa Mardones, Dalia Sánchez, Teresa Iturriaga, Jack Rogers, Maria Oses, Silvia Soto, Dick Hanlin, Anayda Hidalgo, Sabine Huhndorf; Back row: Osberth Morales, Rubén Alonso Carballo, Mario César Juarez, Judith Sousa, Miguel Angel Garmendia, Alejandro Muñoz Rivera, Daniela Lizano, Karen Hansen, Kristel Castillo, Fernando Fernández, Eduardo Alvarado, Elia Sarmiento; Not shown: Loengrin Umana, Eida Fletes, Lymari Ruiz-Sanchez.



Basidiomycete Workshop Participants. Front row, L to R: Esperanza Franco, Armando Ruiz, Elionor Aizprúa, Julieta Carranza, Rhina Esquivel, Milagro Mata, Dalia Sánchez; Middle row: Betty Strack, Daniela Lizano, Osberth Morales, María de los Angeles De la Roca, Judith Sousa, German Sandoval, Rubén Alonso Carballo, Virginia Guerrero, Délfida Rodriguez, Yeni Santos, Karen Estrada, Karla Estrada, Carlos Rojas; Back row: Bob Bandoni, Alice Bandoni, Patrick Werner, Miguel Angel Garmendia, Roy Halling, Tony Kirchgessner, Elia Sarmiento, Greg Mueller.

as numerous other ascomycete groups. Dr. Richard Hanlin, retired, from the University of Georgia provided his expert knowledge in the taxonomy and biology of leaf-inhabiting tropical ascomycetes as well as giving an excellent introduction to ascomycetes in general. Dr. Teresa Iturriaga from Universidad Simón Bolívar in Caracas, Venezuela, is a recognized expert in the taxonomy of discomycetes, with many years of experience in Neotropical taxa. Dr. Fernando Fernández and Dr. Sabine Huhndorf both from the Field Museum of Natural History in Chicago have broad expertise in the taxonomy of the pyrenomyces and loculoascomycetes, particularly with Neotropical taxa.

Twenty six participants representing the US and Spanish-speaking Central American countries participated in the workshop. Several of the students had also participated in the previous year's basidiomycete workshop. Many are involved directly and actively in projects connected to important herbaria in their respective countries. UCR's (Escuela de Biología, Universidad de Costa Rica) participants are undergraduate (Daniela Lizano, Carlos Rojas, Alejandro Rivera, Melissa Mardones, Anayda Hidalgo and Kristel Castillo) and master's (Elia Sarmiento, with a bachelor's in Biology from Universidad Nacional Autónoma de Honduras) students working under the direction of Dr. Julieta Carranza. Rubén Carballo works at the Jardín Botánico

La Laguna and has started a preliminary inventory of fungi in El Salvador. Rudis Santos and Mario César Juarez are both undergraduate students at Universidad de El Salvador. Roberto Cáceres and Osberth Morales are undergraduate students in Biology at Universidad de San Carlos de Guatemala. Karla Estrada (Universidad Centroamericana, Managua), Miguel Angel Garmendia (Universidad Nacional Autónoma de Nicaragua) and Dalia Sánchez (Herbario Nacional de Nicaragua) are undergraduate students that have brought together a commendable initiative to carry out an inventory of fungi in several protected areas in Nicaragua. Elionor Aizprúa,

Benito Jimenez and Judith Sousa are undergraduate students at the Universidad de Panamá. INBio's participants are three technicians (Silvia Soto, Ronald Rodriguez and Eduardo Alvarado), two parataxonomists (Eida Fletes, Maria Oses) and the microfungi curator (Loengrin Umaña). All of the INBio's participants work on different phases of the National Fungal Inventory that the institution is implementing. Two US student/post doc also participated in the workshop. Lymari Ruiz-Sanchez is a MS student at the University of Illinois at Chicago and Karen Hansen is a post doc at Harvard University with Don Pfister.

The workshop consisted of lectures, laboratory sessions and fieldwork covering various aspects of biology and taxonomy of the ascomycetes. Iturriaga and Fernández served as translators for the English-only speakers. Introductory lectures to the various ascomycete groups occupied the first half of the daily morning schedule followed by several hours of collecting on the excellent trails. The afternoons were spent in the lab where students spent long hours at the microscopes looking at the diversity of taxa collected that day. Laboratory presentations were set up to highlight some of the unique features of the different fungal groups. Students divided their time between structured lab work and examining their own collections. Ample moisture in the forest provided



Roy and Bob study a specimen while Judith Sousa looks on.

us with abundant collections in good condition. During the course of the week over 100 different taxa were identified (some to species, some to family or genus level). Some even turned up that were not easily identified to major group. However many were collected more than once, giving an indication of their relative abundance in the forest at that time. There was excitement and a scrambling for the microscope whenever an interesting and as yet unseen species turned up.

Numerous xylariaceous species provided us with beautiful amyloid rings and we even encountered one species whose combination of characters Jack Rogers had never seen before!. Needless to say, this amazing ascomycete species will be the subject of an upcoming publication. Other interesting loculoascomycetes like Mycopepon and Xylobotryum showed off their unique ascomal morphologies under the dissecting microscope and colorful Cookeina, Scutellinia, and Nectrias

were collected by many of the students.

A primary key to the success of the workshop was access to plentiful fresh material that the students collected themselves. Lectures and demonstrations were short and the instructors provided plenty of individual instruction and interaction. All of these things combined to maintain the high the level of interest and enthusiasm shown by the students and the instructors.

Plant-associated Fungi of Brazil Available On-Line

by Amy Y Rossman

Questions and comments should be sent to Dr Amy Y. Rossman, Rm 304, Bldg O11A, Systematics Botany Mycology Lab, Beltsville, MD, 20705 or Email <amy@nt.ars-grin.gov>.

In 1998 a group of eight Brazilian mycologists and plant pathologists published an extremely useful list of the fungi associated with plants in Brazil (Mendes et al., 1998). Following extensive review by 21 experts, this book was published by Embresa Brasileira de Pesquisa Agropecuaria (EMBRAPA). Recently personnel at the USDA-ARS Systematic Botany and Mycology Laboratory completed entering the host-fungus records from this book. They are now available on-line at the Website of the U.S. National Fungus Collections <<http://nt.ars-grin.gov>>. To search these data under Databases, select Search Fungal Databases, option 3. Host-Fungus Distributions. Once at the site, one can search the database for a Fungus plus Locality or Host plus Locality. The records in *Fungos em Plantas no Brasil* total 9,066 distribution records consisting of 3,770 fungus names on 2,334 hosts.

These records were added to the previously entered host-fungus data that now total about 500,000 distribution records for 65,000 fungus names on 46,000 hosts. Included in this database are the data published as Farr et al. (1989) as well as many other references. These data and the other fungal resources made available at this Web site are available to scientists throughout the world. In addition to being of use to mycologists, the host-fungus distribution data are used by plant quarantine officials in completing

pest risk assessments. As the size of this database increases, so does the usefulness of these data. Suggestions of comprehensive accounts of plant-associated fungi that can be included in this comprehensive database are welcomed. Please send your ideas to: **Amy Rossman** <arossman@nt.ars-grin.gov> or **David Farr** <dave@nt.ars-grin.gov>.

These data were typed into the database by Ms **Ming-Chieh "Wendy" Hsu** whose conscientious work ethic is greatly appreciated.

Literature Cited:

Farr, David F., Gerald F. Bills, George P. Chamuris, and Amy Y. Rossman. 1989. *Fungi on Plants and Plant Products in*



the United States. St. Paul: American Phytopathological Society. 1252 p.

Mendes, Marta Aguiar Sabo, Valacia Lemes da Silva, Jose Carmine Dianese, Marisa A.S.V. Ferreira, Carlos Eduardo N. dos Santos, Edmilson Gomes Neto, Arailde Fontes Urben, and Carlos Castro. 1998. *Fungos em Plantas no Brasil*. Brasilia: Embrapa-SPI/Embrapa-Cenagen. 555 p.

MSA BUSINESS

MSA Foray 2003

For information concerning the annual foray, see the important message box from Tom Bruns, Local Coordinator, on page 6 of this issue of *Inoculum*. For additional information, continue to check the MSA Website at

<http://msafungi.org>

-- **Don Ruch**
Foray Coordinator
druch@bsu.edu

From the President's Corner

'Asilomar, California Dreamin'

In the depths of winter the many hardworking volunteers of the MSA are doggedly carrying on, laying the groundwork for a glorious summer and beyond. First, **Roy Halling**, MSA Webmaster, with the loyal labors of **David and Ellen Farr**, has seamlessly moved the web site to < www.MSAfungi.org >. Next, **Joan Bennett**, Editor-in-Chief of *Mycologia*, has a new Editorial Assistant at *Mycologia*, **John Donahue**, and *Mycologia* continues to grow in content and quality. **Jim Ginns**, Managing Editor of *Mycologia* has worked with **Julia Noblitt** at HighWire Press to produce the new *Mycologia* webpage, < www.mycologia.org >. By the time you receive this issue of *Inoculum*, you probably will have found the instructions at the web site for activating your electronic access to *Mycologia*, because free access will have ended on February 17th.

Dreams of summer help ameliorate dreary skies and no dream is better than the joint Mycological Society of America – British Mycological Society meeting in Asilomar, California, July 27-31. **Susan Kaminskyj**, chair of the MSA Program committee, and her colleagues **Jean Lodge**, **Jessie Micales** and **Joey Spatafora**, along with MSA President-elect **Carol Shearer** have planned a fantastic program. It truly is a joint meeting; exhibit one, **Neil Gow**, President of the BMS has organized a blue-chip symposium on medical fungi. In Berkeley, **Tom Bruns**, chair of the local arrangements committee, has everything under control and, with the help of computer wizard, **Tim Szaro**, the MSA-BMS Asilomar webpage at www.MSAfungi.org, will be up and running by the end of February.

Someone has to worry about money, and fortunately several someones are **Jim Worrall**, MSA Treasurer, **Orson Miller**, chair of the Finance Committee, and **Tom Harrington**, Chair of the Endowment Committee; all have been very active this winter, and not only because of the poor economy. Electronic publication is expensive, but essential. Symposia at annual meeting, likewise, are expensive, but essential. Student travel must be supported, so must annual awards. The one point that Jim, Orson and Tom agree on is that the MSA needs more good souls like **Clark Rogerson**, who donated his library to the MSA, and **Gary Samuels**, who carried out the difficult task of converting the library into the Clark T. Rogerson fund.

Before winter turns to spring, the MSA Executive Council will meet in Berkeley to report on the state of the MSA, and focus on publications, the annual meeting, and finance. The key person here is our incomparable MSA secretary, **Lorelei Norvell**, without whom the rest of the council would be lost.

-- *John Taylor, PhD*
MSA President 2002-2003



John Taylor, MSA President 2002-2003

MSA Council Email Express

December 15 – February 15: Council has considered no formal motions over the past two months. Instead, President Taylor will host the annual Executive Council mid-year meeting at the University of California (Berkeley) on March 8, 2003, during which time budgetary, editorial, and other recent concerns will be discussed. See this issue for preliminary mid-year reports.

Other News from the Secretary:

Welcome, New Members!: Although candidates for MSA membership cannot vote until formally approved at the annual general business meeting, they do receive *Mycologia* and *Inoculum* immediately after Allen Press processes their applications. During December and January, the following eleven prospective candidates applied for MSA first-time membership:

AUSTRIA – Thomas **Kirisits**

CANADA – Maria **Jaime**

FINLAND – Kari T **Saikkonen**

JAPAN – Tsuyoshi **Hosoya** and Izumi **Okane**

UNITED STATES – Benjamin Luke **Bruner**, Bruce A **Caldwell**, Cecile **Gueidan**, Wayne M **Jurick II**, Richard F **Kopp**, and Ingo **Morgenstern**.

Emeritus candidates: Since November, the following 12 members have applied for **MSA Emeritus** status, which will be formally conferred after approval is voted by the general

MSA BUSINESS *con't*

membership at the Society's annual business meeting at MSA-BMS 2003 in Asilomar: A S El Ani, William Cibula, Jimmy D Clark, Gerald T Cowley, Guy Durrieu, Lafayette Frederick, Audrey C Gabel, Marion M Kyde, John M

McCleary, Philip G Miles, Lois H Tiffany, and Tsuneo Watanabe.

Secretarial FAX number change: A recent change in telephone service provider has eliminated the old FAX

number for the secretary. Those wishing to send a FAX to or talk to the me may use the same number: 503.297.3296.

-- Lorelei Norvell
MSA Secretary

INFORMATION ON THE JOINT MSA-BSA MEETING AT THE ASILOMAR CONFERENCE CENTER

Mark your calendars for the joint meeting of the Mycological Society of America and the British Mycological Society July 26 through 31. The meeting will take place at the Asilomar Conference (<http://www.asilomarcenter.com/>) Center on the Monterey Peninsula, a secluded, scenic setting next to the Pacific Ocean . Be sure to arrive in time for the Sunday evening reception at the Monterey Bay Aquarium (<http://www.mbayaq.org/>), a world renown facility which offers spectacular exhibits of the local marine life. The dry California summers make our usual fungal foray pointless, however Tuesday afternoon trips are planned to Point Lobos reserve (<http://pt-lobos.parks.state.ca.us/>), Chataeu Julien winery, and Monterey Mushrooms. The program includes promises to be exciting; in addition to the contributed sessions, symposia on biogeochemical ecology, the deep hypha project, biodiversity, cell biology, *Aspergillus*, Industrial Mycology, and Medical Mycology are scheduled. The deadline for abstracts is tentatively March 31, and the abstract submission form will be available shortly. We hope to have registration available via the MSA web site by end of February.

Watch the MSA website for further details.

**Tom Bruns, Chair of Local Annangements
510-642-7987 or boletus@socrates.berkeley.edu**

ITEMS NEEDED FOR THE ANNUAL AUCTION

It's time to begin thinking about items to bring to the annual auction to be held during the social gathering on the last night of the MSA Annual Meetings in Pacific Grove, California, July 27-31. Old books and manuscripts and historical artifacts are especially appreciated. Nor do we shy away from silly, outlandish objects of mycological interest. Bring your items to the meeting and contact **Don Hemmes** before the social and he will organize the materials for the auction. If you might not make the meetings and want to send items, let Don know at hemmes@hawaii.edu.

Don Hemmes, Auction Coordinator
hemmes@hawaii.edu

CHANGE IN CHAIR OF THE ENDOWMENT COMMITTEE

Please note that **Judi Ellzey** is no longer the chair of the MSA Endowment Committee. The new chair is **Thomas C. Harrington**. He can be reach at the following:

Thomas C. Harrington, Chair
MSA Endowment Committee
Department of Plant Pathology
Iowa State University
Ames, IA 50011
tcharrin@iastate.edu
515.294.0582

2002-2003 MSA SECRETARY MID-YEAR REPORT

From June 26, 2002, to February 26, 2003, the Secretary:

Wrote and sent both 2002 General Council and 2002 Annual Business meeting **minutes** to the 2001-2 Council for approval before sending them to Editor Don Ruch for publication in *Inoculum*. Incorporated changes approved by the membership into the Society Constitution & **Bylaws** prior to posting on the MSA website <www.msafungi.org>.

Welcomed newly elected 2002-2003 **officers and councilors**, who were sent a full set of 2002 annual reports, final 2001-2 Society Roster, Society Constitution & Bylaws, and 2001-2 Manual of Procedure (MOP). Reminded individual Council members of actions to be taken agreed to during MSA 2002 Council meeting decisions.

With President John Taylor (i) developed the 2002-2003 **Society Roster** with current electronic address information for all continuing and newly-elected/appointed Councilors, Editorial officers, Committee members, and Society representatives and (ii) completed the annual revision of the **Manual of Procedure**. Independently updated Email batch lists for sending timely announcements or requests to MSA volunteers and members.

Individually welcomed new and returning Society **committee chairs and members, appointees, and representatives** by Email, attaching the new Society Roster and excerpts from the Society Constitution & Bylaws, 2002 committee reports, and MOP as appropriate. Sent the newly revised Society Roster to Editor Don Ruch for publication in *Inoculum* and sent the roster, revised Bylaws, revised MOP, and names of the new Council and 2002 MSA Award winners to Webmaster Roy Halling for posting on the MSA website.

Polled Council via Email on 11 concerns and submitted final Council decisions to Editor Don Ruch for publication in *Inoculum*. Since the annual meeting, Executive or Full Council approved (i) **incorporation of the Hawaii Tourism logo** on a brochure (since disseminated at IUMS 2002 and IMCVII) announcing the MSA-BMS 2003, MSA-NAMA 2004, and MSA-MSJ 2005 meetings; (ii) placing the By-laws name change of the Honorary Membership to the **Honorary Awards Committee** on the upcoming 2003 ballot; (iii) Mary **Berbee** as 2002-7 Editorial Advisory Committee member; and (iv-xi, *in order*) Roy E **Halling**, Joyce E **Longcore**, Donald **Natvig**, Dennis E **Desjardin**, Steven L **Stephenson**, Charles P **Woloshuk**, Barbara A **Roy**, and Gary T **Cole** as new *Mycologia* Associate Editors (bringing the complement of Associate Editors to 18).

Issued 53 first (February 1) and second (February 17) **requests** for agenda items, midyear progress reports and MOP revisions to Council, committee chairs, and representatives in preparation for the March 8 midyear Executive Council meeting in Berkeley, California. (As of February 27, 25 officers, committee chairs, and appointees had responded with midyear reports, 14 replied without reports, 10 had not responded; two MOP revisions and five formal requests for Executive action were also received).

Compiled **new member and emeritus candidate** lists supplied monthly by Linda Hardwick for publication in each issue of *Inoculum*. In August, October, December, and February sent summaries of Council actions, candidate names (28 new member, 14 Emeritus) and other Council news to *Inoculum* Editor Don Ruch.

Received with sadness the notice of the **death** of Honorary MSA member Meinhard Moser (1924-2002).



Lorelei Norvell, MSA Secretary

Responded to routine **correspondence**, requests for MSA membership information, and other miscellaneous membership concerns and redirected mycological and procedural questions to the appropriate experts. In all, handled 2,430 Society-related emails (now the primary and most expedient method for conducting Society Business) and sent approximately 30 responses to miscellaneous membership concerns by snail mail.

Respectfully submitted,
-- Lorelei L Norvell, Secretary
Mycological Society of America

Mid-Year Committee Reports Listed Alphabetically

ECOLOGY COMMITTEE

We nominated (and convinced them to accept the nomination) Tom Bruns and Michael Allen to represent MSA as a Member Society of the AIBS group aiming at a big ecology project, AIBS Project on Infrastructure for Biology at Regional to Continental Scales. The configuration of what could become the National Ecological Observatory Network (NEON), funded by the National Science Foundation, will

receive special focus from this working group.

-- **Bitty A. Roy, PhD, Chair**
bit@darkwing.uoregon.edu

ENDOWMENT COMMITTEE February 15, 2003

The current composition of the committee is **Thomas Harrington** (Chair), **Joanne Ellzey** (Immediate Past Chair), **Donald Hemmes**, **Josephine Taylor**, and **Meredith Blackwell**, with Treasurer **James Worrall** as an *ex-officio* member.

Thus far in fiscal year 2003 (since 31 July 2002), we have received \$257 in t-shirt sales and \$4146 in donations. The current balances in the mentor award funds and the general (uncommitted) fund are:

Alexopoulos Travel Fund \$4760
Barksdale-Raper Travel Fund \$4135
Bigelow Travel Fund \$13,526
Butler Travel Fund \$5664
Denison Travel Fund \$6474
Fitzpatrick Travel Fund \$4883
Fuller Travel Fund \$2503
Korf Travel Fund \$4259
Luttrell Travel Fund \$4900
Theirs Travel Fund \$4023
Trappe Travel Fund \$3128
Uecker Travel Fund \$3265
Wells Travel Fund \$2800
Supplement to Mentor Travel Funds \$64,000
Alexopoulos Prize Fund \$16,724
Karling Annual Lecture Fund \$10,000
Myron Backus Award Fund \$17,205
Martin-Baker Research Fund \$41,284
Rogerson Fund (unofficial) \$21,226
A.H. & H.V. Smith Fund \$25,157
Undergraduate Research Award \$200
Uncommitted Endowment \$75,740

Total Endowment = \$335,856

Endowed funds are invested, and the income generated is used to make awards. Each of the Mentor Student Travel Funds should be at least \$10,000, but only the Bigelow Travel Fund is above this value. The Alexopoulos Prize Fund is also substantially below the amount needed for the investment income to support the annual prize. The official establishment of the Rogerson Fund will be discussed at the mid-year Executive Council meeting.

Don Hemmes is in charge of the MSA Auction at the 2003 annual meeting, and Meredith Blackwell is in charge of t-shirt sales.

Respectfully submitted,
-- **Thomas Harrington, Chair**

ENDOWMENT FUND HONOR ROLL FOR DONORS August 1, 2001 - July 31, 2002

Alexopoulos Prize Fund

J. T. Ellzey

Alexopoulos Travel Fund

J. Clark
J. T. Ellzey
C. M. Stiles

Barksdale-Raper Travel Fund

J. T. Mullins

Bigelow Travel Fund

M.E. Barr Bigelow

Butler Travel Fund

Denison Travel Fund

Anonymous

Fitzpatrick Travel Fund

Fuller Travel Fund

K. Snetselaar

Korf Travel Fund

Luttrell Travel Fund

F. and G. Carroll
C. Shearer

Thiers Travel Fund

G. L. Barron
J. Blair
C. J. Halde
P. R. Leacock
L. Norvell

Trappe Travel Fund

D. Jean Lodge
R. M. Miller
E. Stewart
J. M. Trappe
J. Zak

Uecker Travel Fund

Wells Travel Fund

A. H. & H. V. Smith Fund

Martin Baker Research Fund

R. J. Bandoni
H. G. Brotzma
D. S. Hibbett
C. J. K. Wang

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L. M. Carris
M. Christensen

L. J. Littlefield
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Undergraduate Fund

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Uncommitted Endowment

G. M. Baker
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E. Braun
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K. T. Hodge
R. Kurtzman
A. Methven
H. Prescott
R. L. Price II
Huzefa Raja
F. B. Reeves
A. Rossman & G. Samuels
(Rogerson)
Ulf Thrane
A. L. Welden
Zhong

FINANCE COMMITTEE February 4, 2003

Our financial advisor, Phyllis Albrighton, (First Union Securities, 200 Country Club Drive, Blacksburg, VA 24060) advises us and handles the MSA portfolio. Our investment strategy is basically unchanged and involves two ladders composed of 5 five-year federal notes (bonds), one series for the endowment funds and one for the operating funds with a total of \$321,622.40. In addition, we have an American Fund mutual fund, Fundamental Investors Inc. (ANCFX) with 2,387.74 shares worth \$51,288.76 and 305.28 shares of Vanguard Index Trust worth \$24,252.16. This equals a total of \$ 75,540.92 in both investments. In our money market account (readily available cash) we have \$85,380.09. **The total portfolio value is \$482,543.41.**

Income from mutual funds is \$1597.12; bonds = \$17,168.75; money market = \$264.67 for a estimated total income of \$19,030.54. The estimated income is up somewhat from last year but two new bonds will have to be purchased in the

coming year at lower interest rates than we have had in the past. There is a decline in our share value of both Vanguard Index Trust 500 (VFINX) and Fundamental Investors (ANCFX). Both funds should improve as we gradually come out of the current recession. However, our total mutual funds comprise only 15.65 percent of our portfolio holdings. The lowering of interest rates nationally has also reduced our income from the treasury notes. However, having a 5 year ladder has helped to sustain our income. Seven of our 10 treasury notes are paying interest at or above 5.50% because they were purchased before the current interest rate reductions. On Friday, February 8th, treasury notes were paying just below 3.00% interest.

-- **Orson K. Miller Jr., Chair**
Finance Committee
Past President MSA

INTERNATIONAL AFFAIRS COMMITTEE

One of the primary objectives of the IAC is to serve as a link with other international mycological groups. The IAC has been discussing the ways the MSA can establish formally relationships with other societies. MSA can establish relationships with other societies in different ways, i. e. by affiliation, alliances, associations, partnerships, or sister relationships. Looking to the definitions of this words:

- **Affiliation:** a connection or relationship, **often official**
- **Alliance:** a close agreement or connection between groups to achieve a common goal
- **Associate:** to join as **partners** in business. A person who is member of a society but only with limited rights.
- **Sister:** having the same purpose.
- **Partner:** any of the owners of a business who share the profits and losses.

Some of these words have legal considerations (affiliation, associate, partner), so MSA needs to be careful which one to select. Our constitution already provides an Affiliate Status, which is defined as:

- **Affiliated Society:** An organization that represents a community of interest in some aspect of mycology. Approval by Council required. Each affiliated organization shall pay annual dues as an individual member. It will receive one subscription to each publication of the Society, and it shall be entitled to one vote in the business of the Society through its president or other officially designated representative. Members of affiliated organizations shall be eligible to attend all meetings of the Society, but shall not be eligible to hold office in the Society or to vote on the business of the Society unless qualified under some other category of Society membership.

At present, any society or group can join the MSA as an Affiliated Society. But what will happen if any other society would like to be related to MSA without paying any dues? In this sense, that society could be said to enter into an Allied or Sister relationship with MSA.

But in order to establish an Allied or Sister relationship, MSA needs to evaluate and define more clearly the major goal or purpose of our Society. Meaning, is MSA going to remain as the primary mycological group of North America or is it going to move to a more international or global society.

In order to start to evaluate the possibilities of establishing an Alliance or Sister relationship with other societies, MSA needs to:

- Identify members' needs that will be served by the alliance or sister relationship.
- Select potential allies or sister groups
- Initiate and establish a dialogue with the group to discuss common goals, objectives, desired outcomes, appropriate roles and responsibilities, costs, pricing (if any), potential problems and risks of failure
- Draft a preliminary plan
- Identify realistic guidelines
- Conduct a pilot project

MSA already set a precedent when in August 1999 a general agreement was established between MSA and ALM. This can serve as a model for future affiliations or sister relationships. Right now, MSA already undertakes and promotes international activities such as joint meetings, co-hosted symposia, workshops and short courses, shared newsletter articles, and sponsoring meetings.

The IAC has the following suggestions:

- Conduct a survey of our membership to find out if we are doing a good job as a Society and to identify the needs of our national and international members.
- Sponsor an International member to attend and give a lecture at the annual meeting.
- Build a list to be posted at the MSA web site of current projects in which both USA and International members are collaborating.

Reports from IAC members:

Jo Taylor (Africa) – In last years report by the previous Africa representative (Prof. Pedro Crous) it was stated that there was little interaction between the African Mycological Association (AMA) and the IAC of the MSA, since the AMA had recently been inactive. Although this is still the case, the situation is improving. During IMC7 all of the African delegates, plus others with an interest in Africa, held a meeting and proposed to undertake several actions. The first was to set up an interim committee, to oversee the other actions, which consists of representatives from the different major regions of Africa. The aims of this committee are to revise and update the membership list, revisit the constitution and assist in the election of a new committee. Aside from this it was decided that a website was a necessity, so Paul Kirk (with the help of his son Jonathan) and Jo Taylor have designed this (www.AfricanMycology.org). There have been 4 Regional Mycological Conferences in Africa (RMC) and RMC5 is planned for 2005 to be held in

Stellenbosch in conjunction with the 43rd SASPP congress and the 4th International Workshop on Grapevine Trunk Diseases.

African mycology suffered a great blow this year with the move of two mycologists to Europe. Prof. Pedro Crous is now director of CBS, but still maintains a strong link with Africa being president of the Southern African Society for Plant Pathology (SASPP). Dr Sandra Denman is now in England working as a pathologist for the Forestry Commission.

The SASPP held its annual conference, organized by Mike Wingfield and his team at FABI, which had a large mycological component and was preceded by two mycological workshops. This active society has a website (www.saspp.co.za), a list server, has annual meetings, and has four branches that hold regular regional meetings. It is hoped that the SASPP would be able to assist the African Mycologists to revitalize their association. In general, there was also a good turnout of African mycologists at IMC7 in Oslo, showing continued interest and participation in mycology.

Prof. Richard Mibey (University of Nairobi, Kenya) is a partner in the UNEP-GEF below ground biodiversity program.

Unfortunately this report is a bit skewed towards southern Africa, but once contacts are reestablished with mycologists in the rest of Africa, I will be able to submit a more balanced status report. It is hoped that the new web site, the e-mail distribution list (hosted by the University of Pretoria), and the web site will further the goals of the AMA.

Respectfully submitted,
-- **Sharon A. Cantrell, Chair**

NOMENCLATURE COMMITTEE -- 2002

My last mid-year general report appeared in *Inoculum* 53(4): 9.

Debates about a possible unification of names for pleomorphic fungi are going on. At IMC7 in Oslo a discussion

was organized by Keith Seifert, in which two teams defended either retaining a dual nomenclature for teleomorphs and anamorphs (the present situation) (119 votes) or a nomenclatural unification with continuing precedence of teleomorph nomenclature (6 votes) or the additional opening of the possibility that anamorph-generic names can also serve to cover holomorphic taxa (75 votes) (see our report submitted to *Inoculum*). These deliberations will undoubtedly keep mycologists busy for a long time.

The CBS website <www.CBS.KNAW.NL> shows, besides the discussion papers of the (international) Committee for Fungi, its most recent report (10) published in *Taxon* 51: 791-792 (2002), as well as Article 59 discussion items. The seminal proposals by D.L. Hawksworth from March 2000, and the discussion paper on problems involved with such a change, while avoiding a major destabilization of nomenclature, by Grégoire Hennebert. An edited publication of the latter paper and other contributions to the Oslo debates is awaited.

-- **Walter Gams**

Centraalbureau voor Schimmelcultures
P.O. Box 85167, 3508 AD Utrecht
The Netherlands

NOMINATIONS COMMITTEE

The MSA Nominations Committee conferred via email in December 2002 and January 2003. Two ranked nominees for each office (Vice President, Secretary and each of the councilors) were forwarded to Vice-President Dave McLaughlin on 28 January 2003.

-- **Mary E. Palm, PhD, Chair**
mary@nt.ars-grin.gov

SUSTAINING MEMBERSHIP COMMITTEE 2002-2003

The new 2002-2003 Sustaining Membership Committee consists of **Wendy Yoder**, Chair (Novozymes Biotech Inc., Davis, CA; wty@novozymes.com) and some new blood: **Toby Feibelman** (Microbia, Cam-

bridge, MA; tfeibelman@microbia.com) [2002-2005], **Greg Saenz** (L.A. Testing, South Pasadena, CA ; Gsaenz@latesting.com) [2002-2005] & **Eric Swann** (EMSL, Minneapolis, MN; eswann@emsl.com) [2002-2005].

Full details will be included in the annual report of our ongoing efforts to retain existing members, attract new members & follow up on sustaining members whose memberships have lapsed. To summarize, thirty-eight potential new members have been identified & are in the process of being contacted, nineteen letters of thanks (for previous support) & invitations to renew for 2003 have been mailed & eleven letters have been sent encouraging payment of overdue 2002 fees & to request much appreciated, continuing support for 2003.

Our goal for the year is to attract between five & ten new sustaining members in addition to retaining those currently supporting the Society.

-- **Wendy T. Yoder, Chair**
Novozymes Biotech Inc.,
1445 Drew Avenue,
Davis, CA 95616
wty@novozymes.com



2002 MSA POSTER AND ORAL PRESENTATION WINNERS

This information was not received in time to be included with the Annual Award Winner Announcements in *Inoculum* 53(6).

MSA-2002 Poster Presentation Award Winners

- 1) **Christine Baker**, Iowa State University: "Intersterility groups within *Ceratocystis fimbriata*."
- 2) **Eun-Sung Oh**, Oregon State University: "Mechanisms of resistance in Port-Orford cedar to *Phytophthora lateralis*."

MSA-2002 Oral Presentation Award Winners

- 1) **Ameena Nalim**, Penn State University: "New clades of *Fusarium solani* species complex associated with tuber rot of *Caladium*."
- 2) **Daniel Henk**, Duke University: "Structure of *Septobasidium curtsii*, a fungal symbiont of scale insects."

MYCOLOGICAL NEWS

Authors of Fungal Names Version 2 is Available Online

Authors of Fungal Names Version 2 (a.k.a. edition 2 of Kirk & Ansell: Index of Fungi Supplement) is now available for download at <<http://www.indexfungorum.org/AuthorsOfFungalNames.htm>>. (For further details, see MSA On-line this issue).

Please pass on this information to all who might find this 'publication' useful, and those with access to journal or newsletter please include a notification.

-- **Paul M Kirk, PhD**
p.kirk@cabi.org
www.cabi-bioscience.org

Warning Concerning a "New" Publication on *Fungous Diseases of Plants*

Recently a book, entitled *Fungous Diseases of Plants* by B.M. Duggar, has been advertised for sale in India with a copyright date of 2002. In fact, this book is a photocopy of a 1909 publication.

-- **Amy Y. Rossman, PhD**
arossman@nt.ars-grin.gov

Sudden Oak Death International Online Symposium

The Forest Pathology Committee of the American Phytopathological Society has organized an online symposium and discussion scheduled for April 21 - May 4, 2003. Topics to be covered include: fungal identification, disease spread, ecological impacts, and industry implications. Website: <http://sod.apsnet.org> (you can sign up for an automatic e-mail reminder that will be sent out when the symposium begins). The electronic symposium is made financially possible by the USDA Forest Service and is hosted by APS.

Sudden Oak Death (SOD) is caused by *Phytophthora ramorum* and has been found in a number of woody plant species, in addition to oaks. For more information, the following webpage provides a summary and paper abstracts from the Sudden Oak Death Science Symposium held 15-18 December 2002 in Monterey, CA. <<http://danr.ucop.edu/ihrmp/sodsymposium.html>>.

-- **Carol Stiles, Chair**
MSA Phytopathology Committee
APS Representative to MSA

VIII Congreso Nacional de Micología (8th Mexican Mycological Conference)

Date: 15-17 October 2003

Place: UAEM, Toluca, Mexico

Contact person: **Cristina Burrola Aguilar**, Facultad de Ciencias, UAEM, Instituto Literario No. 100, C.P. 50000, Toluca, Mexico. Tel/Fax. 017222965553, 54 & 56. E-mail: <cba@uaemex.mx>.

For more information (in Spanish) see <http://www.tap-ecosur.edu.mx/smdm/8cnm.htm>.

Dr. José E. Sánchez, President
Mexican Mycological Society
Tel: (52) 962 628 1103 or (52) 962 628 1104

OBITUARIES

Martha (Mimi) Singer

Martha (Mimi) Singer, 92, wife of the late Rolf Singer passed away Wednesday January 8, 2003 after living life to the fullest as wife, mother, grandmother, sculptor, humanist, worldwide traveler, collaborator with her husband's work in mycology, volunteer at The Field Museum, and author of *Mycologists and Other Taxa*. Born in Vienna, Austria on December 15, 1910, she later lived in Spain, France, Russia, and Switzerland before arriving in the U.S. in 1939. She lived in Massachusetts while her husband was a research scientist at Harvard University. Mrs. Singer lived in South America from 1948-1968 where her husband had professorships in Argentina, Chile and Brazil. Mrs. Singer was an avid and accomplished field assistant for her husband and spent much time in the remote forests of South America. On returning to the U.S. in 1968, they lived in Evanston, IL while her husband continued his research and teaching at The Field Museum and the University of Illinois, Chicago. Mrs. Singer moved to California to be with her daughter in 1997. She is survived by her daughter, Heidi Eustaquio, and her grandchildren, Daniel and Isabel. Internment and memorial are planned to be held in Chicago in April or May, as her wishes were to be buried next to her husband in Lincolnwood, IL.

-- Greg Mueller, PhD
gmueller@fieldmuseum.org

James Maniotis: Geneticist, Natural Historian

James Maniotis, Ph.D., emeritus associate professor of biology in Arts & Sciences at Washington University, St. Louis, MO, died Oct. 30, 2002, after a brief battle with intestinal cancer at the Barnes-Jewish Extended Care facility. He was 73.

As a scientist, Maniotis conducted basic research on topics such as the pathogenicity of histoplasmosis; ringworm; aeroallergens bothering children; fungi as indicators of water pollution; fungi as purifiers of solid waste; crop-destroying fungi; athlete's foot fungus; preservation of library books from molds; fermentation; commercial mushroom growing; and the anti-tumor properties of certain fungal extracts.

As a teacher, Maniotis strove to impart to his students how fungi and plants impact human evolution, human health and everyday living. He was both valued and honored by thousands of his students and many of his colleagues for his excellence in teaching botany, mycology and natural history for more than 35 years. "He taught with a passion," said Walter H. Lewis, Ph.D., emeritus professor of biology, who came to Washington University two years before Maniotis joined the faculty. "He loved his students and had the ability to make anyone share the fascination he held for mycology."

Maniotis was a member of Mycological Society of America; The Genetics Society of America; The Botanical Society of America; the American Institute of Biological Sciences; the American Association for the Advancement of Science; and Sigma Xi, The Scientific Research Society.

Maniotis was born of Greek immigrant parents in Detroit in 1929. He was educated in the Detroit public school system. He earned bachelor's and master's degrees in 1952 and 1957, respectively, from Wayne State University. He earned a doctorate in botany from the University of Iowa in 1960. He served as a meteorologist and ballistics expert in the U.S. Army from 1953-55 and was in the U.S. Reserve from 1955-1961. His wife, Sassa Maniotis, died in 1991 and was a noted piano teacher in St. Louis. Among his survivors are his son, Andrew Maniotis, who directs a melanoma research and tissue engineering program as an assistant professor at the University of Illinois at Chicago, a brother, Constantine Maniotis of Chicago, and three grandchildren.

Modified from *The Record*, Washington University in St. Louis.

-- Amy Y. Rossman, PhD
arossman@nt.ars-grin.gov

Change of Address

Send all corrections of directory information, including e-mail addresses, directly to Allen Press
Mycological Society of America *Vox* 800.627.0629 (US and Canada)
Attn: Linda Hardwick, Association Manager *or* 785.843.1221
PO Box 1897 [810 E 10th St] *Fax* 785.843.1274
Lawrence, KS 66044-8897 *Email* lhawdwick@allenpress.com

Note: Members may also submit directory corrections via the form included in the MSA directory via the MSA Home Page: <http://www.msafungi.org>

Telluride Mushroom Festival August 21-24, 2003

The annual Telluride Mushroom Festival - designed for people interested in edible, psychoactive, and poisonous wild mushrooms - will be held in Telluride, Colorado, Aug. 21-24. The festival features mushroom lectures, forays, hands-on identification and cultivation workshops, and a mushroom feast. There's even mushroom poetry and a mushroom parade down the main street of Telluride. Experienced guides will lead daily fungus forays in the forests surrounding Telluride, generally productive of a wide variety of wild mushrooms, particularly edible species, like chanterelles and porcini.

Nationally recognized authorities on mushrooms presenting lectures and workshops include:

Dr. **Andrew Weil**, author of the best-selling book *Spontaneous Healing*, on "Mushrooms and Health;

Gary Lincoff, past President of the North American Mycological Association, on "Wild Mushroom Identification;"

Paul Stamets, President of Fungi Perfecti (www.fungi.com), on "Medicinal Mushrooms;"

Dr. Emanuel Salzman, Co-editor of *Mushroom Poisoning*, on "Mushroom Poisoning;"

John Corbin, Cultivation Specialist, on "Growing Mushrooms on Straw;" and others.

For information about registration and fees, check out www.telluride.com/mushroom.html or contact Fungophile, Attn. Mushroom Festival, Box 480503, Denver, CO 80248-0503; Tel/FAX: 303-296-9359. Based in Denver, Fungophile has sponsored the Telluride Mushroom Festival for 22 years.

-- **Jason Salzman**
newsmush@mindspring.com

Collecting Macrofungi in the Dominican Republic

Collecting macrofungi in the Dominican Republic in November. Having just returned to La Ciénaga, an entrance into one of Dominican Republic's National Parks - Parque Jose del Carmen Ramirez, from a week long collecting expeditions into Valle del Tetero (1500 m) in La Cordillera Central of the Dominican Republic, these

mycologists take a breather with their guides. The day trek in and the day trek out is exhilarating but tiring. The expedition was taken over the Thanksgiving Week "break" this past November, 2002. From left to right: head guide and mule owner Ico Perez, assistant to the head guide Antonio #1, D. Jean Lodge, Omar Paino Perdomo, mule handler Antonio #2, and Lance Lacey (an undergraduate working on an NSF REU with Tim Baroni who took the picture, Tim apologizes, he forgot to take pictures of Moreno #1, Moreno #2 and Mariposa the three mules who carried the collectors back into the mountainous region). The collecting was fairly good and made some significant contributions to the NSF/BS&I funded project: Basidiomycetes of the neotropical pine forests: connections between a possible refugium in Belize and endemic pine forests in the Dominican Republic.



More exploration for macrofungi in the Dominican Republic in January. Midway through a two week collecting expedition in the Dominican Republic in January 2003, the group poses for a photograph at the Anton Sape Bueno entrance to the Parque Armando Bermudez on the north side of La Cordillera Central. From left to right:

Lance Lacey (SUNY - Cortland), Ed Grand (University of Tennessee), Beatriz Ortiz Santana (University of Puerto Rico), and D. Jean Lodge (Tim Baroni was taking the photograph, puffing on a big cigar). Even though we were mainly collecting Basidiomycetes, TJB just happen to find a small single yellow morel and could not pass it up.

If you are interested in tropical fungi, take a tour at <www.cortland.edu/nsf/ga.html>.

-- **Timothy J. Baroni, PhD**
Past President (2001-2002) MSA
baronitj@cortland.edu



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Back Issues: *Mycologia* and *Mycological Research*

Anyone knowing of an institution that would make good use of *Mycologia* 1957 - 2002 and/or *Mycological Research* 1960 - 2002, available for shipping costs, please contact me as soon as possible.

-- **Martha Christensen**
Department of Botany
University of Wyoming
Laramie, WY 82070
307-766-2140
mchris@uwyo.edu

Free for the Asking!

Farr, D, HB Esteban & ME Palm.
1996. **Fungi on Rhododendron: A World Reference.** Parkway Publishers, Boone, NC. 192 pp. If you are interested in receiving this book, please send an email to Amy Rossman <arossman@nt.ars-grin.gov> and we will send you a copy.

-- **Amy Y. Rossman**
arossman@nt.ars-grin.gov

Needed Fruiting Fungal Specimens on Common Reed

The Gargas Lab in the UW Madison Botany Department is looking for specimens of ascomycetes and basidiomycetes fruiting on Common Reed (*Phragmites* sp.) in North America. Plant material still attached to fruit bodies is especially welcome for our collection. We will provide the results of identifications. Please contact Andrea Gargas <agargas@facstaff.wisc.edu> or send material to c/o Dirk Krueger, University of Wisconsin, Botany Dept., 430 Lincoln Dr., Madison WI 53706.

-- **Dirk Krueger, PhD**
dirkrueger@wisc.edu

Mold Testing and Identification Services

Identification and contamination control for food technology, spawn technology, plant diseases, and insectaries. ASTM & Mil-Spec testing for aerospace, controlled environments and environmental engineering. 10% discount for regular and sustaining MSA members. Email <microbe@pioneer.net>; Voice mail 541.929.5984; Surface mail Abbey Lane Laboratory, LLC, PO Box 1665, Philomath, OR 97370 USA. For more information see www.pioneer.net/~microbe/abbeylab.html.

-- **Steven E. Carpenter, PhD**
Abbey Lane Laboratory LLC
microbe@pioneer.net

TWO POSITIONS AVAILABLE

NSF Fellowships for MS Students St. Joseph's University

The Biology Department at Saint Joseph's University in Philadelphia is seeking applicants for NSF GK-12 Fellowships. Fellows receive full tuition remission and stipends of \$21,500 per year. At SJU, GK-12 Fellows spend 15 hrs per week preparing lessons and teaching science in urban K-6 classrooms as a part of their training in science. Experience in K-6 education is not necessary, but flexibility and a desire to communicate about science are required. To be eligible for the Fellowships, students must be involved in thesis research in Biology or Environmental Science with a participating faculty member. Participating faculty include Drs. Karen Snetselaar and Michael McCann, whose research group works with the plant pathogenic

fungus *Ustilago maydis*. Graduate Fellows must be accepted into the M.S. program in Biology at Saint Joseph's University. All Fellows must be citizens, nationals, or permanent residents of the United States. For more information about the GK-12 program, see <http://www.sju.edu/biology/ksweb/GK12/main.html> or contact Dr. Karen Snetselaar at ksnetsel@sju.edu, 610 660 1826.

-- **Karen Snetselaar, PhD**
ksnetsel@sju.edu

Data Entry Position in Tropical Rain Forest in Puerto Rico

Full or Three Quarter-Time Mycological Data Entry position located in a tropical rain forest in Puerto Rico (18-24 months, minimum 12 month commitment required). Free or low-cost housing is possible at the Sabana Field Research Station in the Caribbean National Forest. This position is made possible by a National Science Foundation grant to the Research Foundation of the State University of New York from the National Science Foundation Biotic Surveys & Inventories program for the project, Basidiomycete Fungi of Pine Forests in Belize and the Dominican Republic. Duties are primarily entering collection and specimen information into the computer database, assisting in packing collections for mailing, and herbarium maintenance. Familiarity with

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computer databases and mycological terms are desirable. Careful and accurate handling of data, with dependable work habits are critical skills. **Preferred starting date: 24 March or early April 2003.**

Applicants should submit a cover letter expressing their interest and

relevant skills, a copy of their transcripts and two letters of recommendation from former supervisors or professors. Applications will be screened beginning March 10, 2003. The State University of New York is an equal opportunity employer. Submit application materials

by FAX (787-889-7477 or 787-888-5685) to Dr. **D. Jean Lodge**, Center for Forest Mycology Research. Phone: 787-889-7445. E-mail: djlodge@caribe.net or baroniT@cortland.edu.

-- **D. Jean Lodge, PhD**
djlodge@caribe.net

TWO FIELD COURSES AND WORKSHOPS

Field Mycology at Raquette Lake in the Adirondacks July 19 to August 1, 2003

This two week course in Field Mycology will be taught at the Huntington Camp facility of the Outdoor Education Center at Raquette Lake, a campus owned and operated by the State University of New York, College at Cortland. The course will emphasize field-work and laboratory techniques used in identifying macrofungi. Skills involving microscopic preparations, evaluation of histochemical reactions and proper tissue sectioning will be developed. Lecture and laboratory topics will cover the morphology, ecology, taxonomy and economic importance of the macrofungi. Students will also learn how to make scientifically accurate and valuable voucher specimens. Raquette Lake is in the heart of New York State's 2.5 million acre Adirondack Forest Preserve. Huntington Camp, originally dubbed Camp Pine Knot by its creator, William West Durant, was



Tim Baroni, coordinator and instructor.

the first of the Great Camps of the Adirondacks, and much of that old architecture is still present in the buildings that make up the campus. The facility is considered a State Historical site today, even though it is solely used for educational purposes by SUNY – College at Cortland. The Adirondack Forest Preserve has large tracks of wilderness and Camp Huntington sits at the edge of one of these large tracks.

One can literally walk out the door of the laboratory and be in the forest in a matter of minutes. The mature forests and bogs are lush and diverse, and the corresponding diversity of fleshy fungi is high. Three semester hours of graduate credit or advanced undergraduate credit are available from SUNY – College at Cortland. Tuition is based on resident vs. non-resident and graduate vs. undergraduate status. The cost of lodging and meals is \$345.00. For additional information contact Dr. **Timothy J. Baroni**, Department of Biological Sciences, PO Box 2000, State University of New York – College at Cortland, Cortland, NY 13045. Phone: 607-753-2725; Email: BaroniTJ@Cortland.edu.

-- **Tim Baroni, PhD**
BaroniTJ@Cortland.edu

Diseases and Other Pests of Forest Trees in the Southern Appalachian Mountains Highlands Biological Station, Highlands, NC August 4-16, 2003

You will arrive on August 3 and the course begins on August 4.

[*Note: This conflicts with the Annual APS Meeting in Charlotte, NC.*]

Coordinator:

Dr. **Rich Baird**, Mississippi State Univ.

Instructors:

Dr. **Mark Windham**, University of Tennessee

Mr. **John Knighten**, Forest Health Unit, USFS (retired)

Dr. **Steven Jeffers**, Clemson University
Dr. **Jay Stipes**, Virginia Tech (retired)
Dr. **Alan Henn**, Mississippi State Univ.

The Southern Appalachian Mountains comprises a rich and diverse community of forest tree species and woody shrubs. Within this region, Highlands is located in the Blue Ridge Mountains

which is near the Great Smoky Mountains National Park. The course will be taught in these and surrounding forest ecosystem and will include lectures, laboratory activities and field trips. Field trips will include moderate hiking on and off the Appalachian Trail. During the course, many forest diseases (biotic) will be discussed with emphasis on pathogen ecology, epidemiology, physiology, taxonomy,

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their transmission or dissemination mechanisms, and associated pests (e.g. insects and nematodes). Important diseases of the forest community will be reviewed such as dogwood anthracnose, beech bark disease, rusts of conifers, and chestnut blight. In addition, the newly emerging forest tree and woody plants pathogen, *Phytophthora ramorum*, will be discussed concerning its potential impact to the eastern forest system. Methods for identification of important pathogens such as *Phytophthora* spp. will be reviewed and several sessions will

focus on the identification (keys and descriptions) of the fungal pathogens and wood decay fungi. Abiotic factors such as pollution, mechanical damage from humans and environment (e.g. ice damage) will be covered and their long-term impact on forest trees and woody vegetation community. Field trips to observe these types of forest pest damage will be arranged throughout the southern range. During the course, students will also learn to establish field impact plots and to determine the extent of damage and disease progression

(epidemiology) associated with biotic and abiotic problems using GPS equipment. Associated mycorrhizal associations of fungi and forest trees will be covered if appropriate. Please refer to the following for last years activities <<http://www.msstate.edu/courses/rh131/forest.path/index.html>>.

For additional information, contact Rich Baird.

-- Richard Baird, PhD

662-325-9661

rbaird@plantpath.msstate.edu

THE MYCOLOGIST'S BOOKSHELF

In this issue we review Mr. Bloomfield's Orchard: The Mysterious World of Mushrooms, Molds, and Mycologists by NP Money, Slayers, Saviors, Servants, and Sex: An Exposé of Kingdom Fungi by D Moore, and Mushrooms of Hawai'i by DE Hemmes and DE Desjardin, feature books received from December 2002 through February 2003, and list previously featured books received since January 2002. I am working to clear the backlog of books for review that I have received and will be contacting you if you have requested books to review over the last several months. Thanks to all who have written to request a book to review and to suggest books for the bookshelf.

Have patience, I have all your e-mails and will be working to answer your requests.

John Zak, BOOK REVIEW EDITOR, john.zak@ttu.edu

REVIEWS

MR. BLOOMFIELD'S ORCHARD: The Mysterious World of Mushrooms, Molds, and Mycologists. 2002. NP Money, Oxford University Press, New York, NY. 208pp. Price: \$26.00 hardback edition. (\$18.20) and

SLAYERS, SAVIORS, SERVANTS, AND SEX: An Exposé of Kingdom Fungi. 2001. D Moore. Springer-Verlag, New York, Inc. 175pp. Price \$29.95 paper edition.

I recently read two mycological books for general audiences; one is good and the other is really good. The first is *Slayers, Saviors, Servants, and Sex* by David Moore. We all recognize the author as the Past President of the British Mycological Society and former Executive Editor of the journal *Mycological Research*. And, if you're like me, you likely have read many of his numerous research articles. In *Slayers* Moore takes a look at many of the classic mycological tales familiar to most mycologists, in chapters titled: "Toxins: Kill the Primates, Rule the World"; "Blights, Rusts, Bunts, and Mycoses"; "Fungi in Medicine"; "Let's Party!" and others. I particularly enjoyed the chapter "Turning the Tables", which deals with the current and future use of fungi as biocontrol agents of agricultural pests, particularly insects. Although the chapter discusses a number of useful, or potentially useful, entomophagous fungi, I felt the author's style was a little difficult to follow. Throughout the book Moore frequently revisits previously-discussed organisms to

hash out more details in the life cycle, taxonomy, or economic importance. I think a reader unfamiliar to the topic at times may become confused. The final chapter, "The Cavalry is Coming", begins with fungi that can degrade wastes of human society and agriculture, but then strays slightly, winding up with a few pages on saving the planet. Other weaknesses with the book include photos, which are mostly too poor in quality to be discernible, a few typos (not a big deal, I suppose), and a lack of references—I find it useful to go back to the original paper, especially when retelling mycological tales in the classroom. Furthermore, the price (\$29.95) seems prohibitively expensive for a small format book with only about 150 pages of text (the remaining pages are some fun puzzles and word games). Though I've not seen it sold anywhere, I'm told the hardback version was priced at \$40. Although I would recommend the book, I would advise that *Slayers* is written for the most general of audiences and probably best suited for those looking to find an introduction to the subject of mycology.

The first I had heard of *Mr. Bloomfield's Orchard* was during the Seventh International Mycological Congress (IMC7) in Oslo, Norway, this past summer. A few color ads, depicting the dustjacket—which features a terrific photo of netted stinkhorns—were pinned to bulletin boards around the University of Oslo campus. To this day I have seen no reviews of this book. Too bad, for this is likely the best yet, written

THE MYCOLOGIST'S BOOKSHELF *con't*

for general (more or less) audiences. *Mr. Bloomfield's Orchard* combines the humorous style found in George Hudler's *Magical Mushrooms*, *Mischievous Molds* with the personal style of *In the Company of Mushrooms* by Elio Schaechter. *Mr. Bloomfield's Orchard* introduces the reader to a number of facts about fungi (life cycle, taxonomy, physiology, etc.), often noting the researcher and publication of the initial discovery. Although this book is written for general audiences, some of the information (function and discovery of Buller's drop, the life and illustrations of Charles Tulasne, and "Ingold's Jewels") might be a bit much for the neophyte. But for anyone with a deep interest in, and some basic knowledge of fungi, this book is a great ride. Along the way we hear a number of tales, centering on some of the wackier sides of fungi (phallic mushrooms, the preparation of "dog-shit agar", the importance of melanin to fungi) and, just as interesting, stories about the private lives of a number of the early pioneers involved in the study of fungi, including Curtis Lloyd, A. H. R. Buller, Charles

McIlvaine, C. T. Ingold and Charles Darwin (or at least his sister Etty who "launched an antifungal jihad", ruining many of his collections). And this is what I most enjoyed and found most valuable about *Mr. Bloomfield's Orchard*. The author, Nicholas Money of Miami University (Oxford, Ohio), even recounts the often-hilarious (and sometimes very personal) events in his past, which led to his becoming a mycologist. Money clearly put his close proximity to the world famous Lloyd Library in Cincinnati, Ohio to use in researching this book. I would suggest *Mr. Bloomfield's Orchard* as strongly recommended for the mycological enthusiast; essential reading for the graduate student of mycology or anyone preparing to teach a course in mycology. I'm certain I will reread it many times in the future.

-- **Britt A. Bunyard**
Biology Department
Ursuline College
Pepper Pike, Ohio 44124
bbunyard@ursuline.edu.

MUSHROOMS OF HAWAI'I: **An Identification Guide**. 2002. DE Hemmes and DE Desjardin, Ten Speed Press, Berkeley, CA 94707, sarahg@tenspeed.com, 212 p, Price: \$40.00.

Amateur and professional mycologists alike will enjoy this field guide. Beautiful photographs of over 200 fleshy fungi are included, as well as representative rusts, lichens, and slime molds. The work is a result of a project funded by the NSF in 1990 to systematically survey the fungi of the Hawaiian Islands, which at the time of publication has yielded 310 species found on the islands, 52 of which are considered native to Hawaii. This must have been tough work, but somebody had to do it.

The book starts with an introduction to mycology, covering the major groups of organisms mycologists study, a brief history of mycology in Hawai'i, and an overview of the different collecting sites on the various islands. A section on seasonality includes data showing the best time to find mushrooms on the islands, but suggests one can find fungi any time of the year. All of this is written concisely and is organized for rapid scanning of relevant information.

Chapter 1 is aimed at highlighting the approaches mycologists use to identify fungi, with a focus on basidiomycetes. Although brief, this chapter is supported with references in the bibliography and photos.

The bulk of the pages are found in Chapter 2, dedicated to the common fungi found on the islands, and divided into sections on various vegetation zones. No microscopic features are given and the guide does not include a key, both of which will probably not be missed by many who use the guide. High quality photos are provided for each entry and are good aids for identification. In addition, each entry includes one paragraph describing macroscopic features, and

a second paragraph providing additional information for the interested reader. Edibility is given when known, as well as the islands on which one can expect to find the species. Chapter 3 includes similar entries on some rusts, lichens, slime molds and even a few animals that feed on fungi.

Chapters 4 - 8 are brief chapters dedicated to various topics of interest. Chapter 4 covers medicinal mushrooms, one of which occurs in Hawaii. A number of poisonous mushrooms can be found on the islands and these are presented in Chapter 5. Chapter 5 also includes several paragraphs about the dangers of poisonous mushrooms that should be useful to readers interested in edible fungi, but lacking in experience. Chapters 6 and 7 cover hallucinogenic mushrooms and mushroom cultivation, respectively. Chapter 8 covers edible mushrooms with 9 recipes with local flavor.

The guide includes a glossary of mycological terms useful for identification purposes, a list of common and scientific names of both mushrooms and trees, and a list of Hawaiian terms. The bibliography is well organized and grouped by topic to facilitate quick access of references. Finally, an index is included that appears rather complete.

In general, I found the guide well organized and very well illustrated. Other sources that are provided by the authors should be consulted for more detailed information on the topics covered in chapters 1 and 4 - 8. However, this field guide is wonderful for recreational use, and I definitely recommend it for anyone interested in fungi planning to explore the islands beyond the beaches and reefs.

-- **Tom Horton**
SUNY-ESF
350 Illick Hall
Syracuse, NY, 13210
trhorton@esf.edu

THE MYCOLOGIST'S BOOKSHELF *con't*

FROM THE BOOK REVIEW EDITOR: As some of you know, I will be beginning my eighth year as Book Review Editor for *Mycologia* in June 2003. The work has been very rewarding and sometimes frustrating. Importantly, I have had the pleasure of getting to meet and talk with a great number of you through this process and to discover for myself the richness of our society. Now it is time to pass this effort on to someone else, to allow another of

you the opportunity to participate more fully in our society and to foster and further develop our book review process. Dr. Taylor and I have begun to discuss possible replacements for this position and a timetable for the transition. I would very much appreciate receiving your nominations for Book Review Editor by the end of May. The nominations will be passed along to the Advisory Board and Dr. Taylor for final consideration early this summer.

BOOKS AND PUBLICATIONS RECEIVED DECEMBER 2002 THROUGH FEBRUARY 2003

- **The Genus *Mycena* in South-Eastern Australia.** 2003. CA Grurinovic. , Fungal Diversity Press, Center for Research in Fungal Diversity, Department of Ecology and Biodiversity, The University of Hong Kong, Hong Kong SAR, China, www.hku.hk/ecology/mycology/FDP.html, 329pp. *Review needed.*
- **Tropical Mycology. Volume 2 Micromycetes.** 2002. R Watling, JC Frankland, AM Ainsworth, S Isaac, and CH Robinson (eds), CABI Publishing, CABI International, Wallingford, Oxon OX10 8DE, UK, www.cabi-publishing.org, 203pp. Price: \$75.00 US. *Review needed.*

PREVIOUSLY LISTED BOOKS FROM JANUARY 2002

- **The *Amanita caesarea*-Complex.** *Bibliotheca Mycologica* No 187. 2001. G Guzman and F Ramirez-Guillen. J Cramer in der Gebruder Borntraeger Verlagsbuchhandlung, D-14129, Berlin, Germany, 66pp. Price: Unknown. *Reviewer needed.*
- **Basic Biotechnology,** 2nd edition. 2001. C Ratledge and B Kristiansen (eds.), Cambridge University Press, The Edinburgh Building, Cambridge CB2 2RU, UK, 568 pp. Price: \$45 US. *Review needed.*
- ***Candida* and Candidiasis.** 2001. RA Calderone (ed). ASM Press. PO Box 605, Herdon, VA 2017, books@asmusa.org, 472 pp. Price: \$100 US. *Review needed.*
- **Cell Biology of Plant and Fungal Tip Growth.** 2001. A Geitmann, M Cresti, and I B Heath (eds). NATO Science Series I. Life and Behavioural Sciences, IOS Press, Nieuwe Hemweg 6B, 1013 BG Amsterdam, Netherlands, www.iospress.nl, 241pp. Price: unknown. *Review needed.*
- **Common Florida Mushrooms.** 2000. J Kimbrough. University of Florida Institute of Food and Agricultural Sciences (IFAS), Building 116, PO Box 110810, Gainesville, FL 32611-0810, esquires@gnv.ufl.edu, 342 pp. Price: \$20 US + shipping. *Review requested.*
- **Dictionary of the Fungi, 9th edition.** 2001. PM Kirk, PF Cannon, JC David, and JA Stalpers (eds.). CABI Bioscience, Bakeham Lane, Egham, Surrey, TW20 9TY, UK, www.cabi.org, 655 pp. Price not confirmed. *Review in progress.*
- **Dictyostelium: Evolution, Cell Biology, and the Development of Multicellularity.** 2001. RH Kessin and J Franke, Cambridge University Press, The Edinburgh Building, Cambridge CB2 2RU, UK. Price: \$90.00 US. *Review in Inoculum* 53(2): 18-19.
- **A Dictionary of Plant Pathology** 2nd edition. 2001. P Holliday. Cambridge University Press, The Edinburgh Building, Cambridge CB2 2RU, UK, www.cambridge.org, 536pp. Price: Hardback - \$120 US, Paperback - \$45 US. *Review needed.*
- **Flora Agaricina Neerlandica: Volume 4. Strophariaceae, Tricholomataceae.** 2000. C Bas, THW Kuyper, NE Noordeloos, and EC Vellinga (eds.). AA Balkema Uitgevers B.V., Postbus 1867, NL-3000 BR Rotterdam, Netherlands, sales@balkema.nl, 191 pp. Price: Hfl 2.2. *Review needed.*
- **Fungi in Marine Environments.** *Fungal Diversity Research Series* 7. 2002. KD Hyde (ed), Fungal Diversity Press, Center for Research in Fungal Diversity, Department of Ecology & Biodiversity, The University of Hong Kong, Pokfulam Road, Hong Kong, kdhyde@hkucc.hku.hk. 397 pp. No price provided. *Review needed.*
- **Fungal Associations, The Mycota** Vol 9. 2000. B Hock (ed). Springer-Verlag New York, Inc, 175 Fifth Avenue, New York, NY 10010, textbooks@springer-ny.com, 250 pp. Price: \$159 US. (Hardcover). *Requested from publisher.*
- **Fungal Conservation: Issues and Solutions.** 2001. D More, MM Nauta, SE Evans, and M Rotheroe (eds.), Cambridge University Press, The Edinburgh Building, Cambridge CB2 2RU, UK, www.cambridge.org, 262pp. Price: \$95 US. *Review in progress.*

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- **Fungal Pathogenesis: Principles and Clinical Applications.** 2002. RA Calderone, and RL Cihlar (eds.). Marcel Dekker, Inc., 270n Madison Ave., New York, NY. 10016, <http://www.dekker.com>, 762 pp. Price: \$195 US. *Review in progress.*
- **Fungal Protoplasts: A Biotechnological Tool.** 2000. D Lalithakumari, Science Publishers, Inc, PO Box 699, Enfield NH 03748, info@scipub.net, 184 pp. Price: \$50 US. *Review needed.*
- **Fungi as Biocontrol Agents: Progress, Problems, and Potential.** 2001. T Butt, C Jackson, and N Magan (eds.). CABI Bioscience, Bakeham Lane, Egham, Surrey, TW20 9TY, UK. 416 pp. Price not confirmed. *Review in progress.*
- **Fungi in Bioremediation.** 2001. GM Gadd (ed.), Cambridge University Press, The Edinburgh Building, Cambridge CB2 2RU, UK, www.cambridge.org. Price: \$120 US. *Review in process.*
- **Fungi in Marine Environments.** Fungal Diversity Research Series 7. 2002. KD Hyde (ed), Fungal Diversity Press, Center for Research in Fungal Diversity, Department of Ecology & Biodiversity, The University of Hong Kong, Pokfulam Road, Hong Kong, kdhyde@hkucc.hku.hk. 397 pp. No price provided. *Review needed.*
- **Fusarium: Paul Nelson Memorial Symposium.** 2001. BA Summerell, JF Leslie, D Backhouse, WL Bryden, and LW Burgess (eds.), APS Press, 3340 Pilot Knob Road, St. Paul MN 55121-2097, www.shopapspress.org, 408 pp. \$59 US. *Review needed.*
- **Guide to Yeast Genetics and Molecular and Cell Biology.** Vols 350 and 350. 2002. C Guthrie and GR Fink (eds), Published by Academic Press, csterv.ap@elsevier.com 664pp, Vol. 351 776pp. Price: \$79.95 US each. *Review needed.*
- **Leptographium Species: Tree Pathogens, Insect Associates, and Agents of Blue-Stain.** 2002. K Jacobs and MJ Wingfield, APS Press, 3340 Pilot Knob Road, St. Paul MN 55121-2097, www.shopapspress.org, 224 pp. \$69 US. *Review needed.*
- **Lichens of Antarctica and South Georgia: A Guide to their Identification and Ecology.** Studies in Polar Research. 2001. DO Ovstedal and RL Lewis-Smith. Cambridge University Press, The Edinburgh Building, Cambridge CB2 2RU, UK, www.cambridge.org, 411pp. Price: \$100 US. *Reviewed in Inoculum 53(4):20 – 21.*
- **Lichens of North America.** 2001. IM Brodo, SD Sharnoff, and S Sharnoff. Yale University Press, P.O.Box 209040, New Haven, CT 06520, 795pp. Price: \$70 US. *Review in progress.*
- **Microorganisms in Home and Indoor Work Environments.** 2001. B Flannigan, RA Samson, and JD Miller (eds.), Taylor & Francis, 11 New Fetter Lane, London EC4P 4EE, 490 pp. Price: Unknown. *Review in progress.*
- **Molecular Biology of Fungal Development.** (Mycology Series/15). 2002. HD Osiewicz, Marcel Dekker, Inc. Cimarron Road, PO Box 5005, Monticello, NY 12701-5185, bookorders@dekker.com, 608 pp. \$195 US. *Book requested from publisher.*
- **Molecular and Cellular Biology of Filamentous Fungi.** 2001. N Talbot (ed). Oxford University Press, Great Clarendon Street, Oxford OX2 6DP, UK. www.oup.co.uk/pas, see Practical Approaches Series for additional information, 267pp. price: \$115 US. *Review needed.*
- **A Monograph of Bionectria (Ascomycota, Hypocreales, Bionectriaceae) and its Clonostachys Anamorphs,** (Studies in Mycology 46). 2001. H-J Schroers, Centraalbureau voor Schimmelcultures, PO Box 85167, Fungal Biodiversity Center, Utrecht, The Netherlands, www.cbs.knaw.nl. Price: 20,000 Euro. *Review needed.*
- **Mr. Bloomfield's Orchard: The Mysterious World of Mushrooms, Molds, and Mycologists.** 2002. N. Money. Oxford University Press, 198 Madison Ave., New York, NY 10016-4314. www.oup.com. 208 pp. \$26 US. *Review in this issue.*
- **Mushrooms of CapCod and the National Seashore.** 2001. AR Bessette, AE Bessette, and WJ Neill. Syracuse University Press, 621 Skytop Rd, Suite 110, Syracuse, NY 13244-5290, sumweb.syr.edu/su_press/, 174pp. Price: Hardback - \$60 US, Paper - \$27 US. *Review needed.*
- **Mushrooms of Hawai'i: An Identification Guide.** 2002. DE Hemmes and DE Desjardin, Ten Speed Press, Berkeley, CA 94707, sarahg@tenspeed.com, 224 pp. Price: \$40 US. *Review in this issue.*
- **Mushrooms of Nepal.** 2000. MK Adhikari, Published by: KS Adhikari, O Laurence (Mycosphere), E Sano and G Kawi, Mailing address: 21/835 Adhikari Niwas, Alka Basti, Lainchour, Behind British Embassy, GPO Box no. 841, Kathmandu, Nepal, e_sano@d2.dion.ne.jp. 236pp. Price: \$43.00 includes shipping. *Review needed.*
- **The Mycota Vol VII A & B, Systematics and Evolution.** 2001. DJ McLaughlin, EG McLaughlin, and PA Lempke (eds.). Springer-Verlag New York, Inc., PO Box 19386, Newark, NJ 07195-9386, service@springer-ny.com, Part A 366 pp, Part B 259 pp. Price: Part A is \$215 US, Part B is \$159 US. *Review needed.*
- **Mycotoxin Protocols. Methods in Molecular Biology Vol. 157.** 2000. MW Truckess, AE Pohland (eds.). Humana Press Inc: 999 Riverview Drive, Suite 208, Totowa, NJ 07512 USA. 244 pp. *Review needed.*

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- **Myxomycetes: A Handbook of Slime Molds**, paperback edition, 2000. SS Stephenson, H Stempen. Timber Press, Inc, 133 SW Second Avenue, Suite 450, Portland OR 97204, mail@timberpress.com, 183 pp. Price: \$19.95 US. *Review in progress.*
- **Nomenmyx. A Nomenclatural TaxaBase of Myxomycetes**. Vol 16 in the Series Cuadernos de Trabajo de Flora Micológica Ibérica. 2001. C Lado. Consejo Superior de Investigaciones Científicas, Real Jardín Botánico, Plaza de Murillo, 2-28014 Madrid, Spain. lado@ma-rjb.csic.es, 219 pp. \$15.63 US. *Review needed.*
- **The Rainbow Beneath my Feet: A Mushroom Dyer's Field Guide**. 2001. AR Bessette and AE Bessette. Syracuse University Press, 621 Skytop Rd, Suite 110, Syracuse, NY 13244-5290, sumweb.syr.edu/su_press/, 176pp. Price: Unknown. *Review needed.*
- **A Revision of the Species Described in *Phyllosticta***. 2002. HA vander Aa and S Vanev. Publisher: Centraalbureau voor Schimmelcultures, www.cbs.knaw.nl. 510pp. Price: • 50,000. *Review needed.*
- **Pathogenic Fungi in Humans and Animals**, 2nd edition. Mycology Series Volume 16. 2003. DHHoward. Published by Marcel Dekker, www.dekker.com. 790pp. Price: \$225 US. *Review needed.*
- **Slayers, Saviors, Servants, and Sex: An Expose of the Kingdom Fungi**. 2001. D Moore. Springer Verlag Customer Service, PO Box 2485, Secaucus, NJ 07096, orders@springer-ny.com. Price not confirmed. *Book requested from publishers. Review this issue.*
- **Stem Rust of Wheat: From Ancient Enemy to Modern Foe**. 2001. PD Peterson, APS Press, 3340 Pilot Knob Road, St. Paul MN 55121-2097, www.shopapspress.org, 168 pp. \$69 US. *Review requested.*
- **Taxonomy and Pathology of *Cylindrocladium (Calonectria)* and Allied Genera**. 2002. PW Crous. APS Press, 3340 Pilot Knob Road, St. Paul MN 55121-2097, www.shopapspress.org, 294 pp. \$69 US. *Review needed.*
- **Tropical Mycology: Volume 1. Macromycetes**. 2001. R Watling (ed). CABI Bioscience, Bakeham Lane, Egham, Surrey, TW20 9TY, UK. 208 pp. Price not confirmed. *Review needed.*
- **Yeasts: Characteristics and Identification**. 3rd edition. 2000. JA Barnett, RW Payne, D Yarrow. Cambridge University Press, The Edinburgh Building, Cambridge CB2 2RU, UK. 1139 pp. Price: \$320 US Hardback. *Review needed.*

MYCOLOGY ON-LINE

AUTHORS OF FUNGAL NAMES

<http://www.indexfungorum.org/AuthorsOfFungalNames.htm>

Authors of Fungal Names was published in 1992 as a supplement to the Index of Fungi. It is now out of print and also out of date. During the intervening 10 years details of about 2000 new fungal name authors have been accumulated, during the production of the Index of Fungi and also during the augmentation of the data available in IndexFungorum. It was thought that the most appropriate way to make these details available was not to formally produce a second edition of the Supplement (which would require a charge to obtain it) but to make it available in a variety of formats for download, free of charge to the end user.

-- Paul Kirk
PKIRK@CABI.ORG

Plant-associated Fungi of Brazil

<http://nt.ars-grin.gov>

The plant-associated fungi of Brazil are now available on-line at the Website of the U.S. National Fungus Collections <<http://nt.ars-grin.gov>>. To search these data under Databases, select Search Fungal Databases, option 3, Host-Fungus Distributions. Once at the site, one can search the database for a Fungus plus Locality or Host plus Locality. The records in *Fungos em Plantas no Brasil* total 9,066 distribution records consisting of 3,770 fungus names on 2,334 hosts. See page 4 of this issue for details.

-- Amy Y Rossman
amy@nt.ars-grin.gov

MYCOLOGY ON-LINE *concl'd*

MYCOLOGY ON-LINE DIRECTORY

Below is an alphabetical list of websites featured in *Inoculum* during the past twelve months. Those wishing to add sites to this directory or to edit addresses should Email <druch@bsu.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 – NEW CLASSIFICATION (51-5)
<http://194.131.255.3/cabipages/Names/FundicNew.asp>
- ASOCIACION LATINOAMERICANA DE MICOLOGIA (51-5)
<http://www.ecologia.edu.mx/alm/>
- AUSTRALASIAN MYCOLOGICAL SOCIETY WEBSITE FOR INTRODUCTORY FUNGAL BIOLOGY (53-4)
<http://bugs.bio.usyd.edu.au/mycology/default.htm>
- AUTHORS OF FUNGAL NAMES (54-2)
<http://www.indexfungorum.org/AuthorsOfFungalNames.htm>
- BIBLIOGRAPHY OF SYSTEMATIC MYCOLOGY (51-6)
<http://194.131.255.3/cabipages/BSM/bsm.htm>
- BRITISH MYCOLOGICAL SOCIETY (54-1)
<http://britmycolsoc.org.uk>
- EUROPEAN POWDERY MILDEWS (52-2)
<http://nt.ars-grin.gov>
- FUNGA VERACRUZANA (53-6)
<http://www.uv.mx/institutos/forest/hongos/funga-vera/index.html>
- HADRIANUS JUNIUS STINKHORNS (52-2)
<http://www.collectivesource.com/hadrianus>
- IMC7 (51-3)
<http://lsb380.plbio.lsu.edu/ima/index.htm>
- ING (INDEX NOMINUM GENERICORUM) DATABASE (52-5)
<http://rathbun.si.edu/botany/ing/ingForm.cfm>
- INTERACTIVE CATALOGUE OF AUSTRALIAN FUNGI (52-1)
<http://www.rbgmelb.org.au/fungi/>
- INTERACTIVE KEY, DESCRIPTIONS & ILLUSTRATIONS FOR *HYPOMYCES* (52-6)
<http://nt.ars-grin.gov/taxadescriptions/hypomyces/>
- MSA BULLETIN BOARD (51-5)
<http://msafungi.org/bulletinboard/>
- MYCOLOGIA ON-LINE (53-3, page 18)
<http://www.mycologia.org>
- MYCOLOGICAL PROGRESS (52-3)
<http://www.botanik.biologie.uni-muenchen.de/botsyst/mycpro.html>
- MYCOSEARCH WEB DIRECTORY/SEARCH ENGINE (51-5)
<http://www.mycosearch.com>
- MUSHROOM WORLD [NEW KOREAN/ENGLISH SITE IN 2001] (51-6)
www.mushworld.com
- NAMA POISON CASE REGISTRY (51-4)
<http://www.sph.umich.edu/~kwcee/mpcr>
- PATHOGENIC FUNGI FROM SOUTH AFRICA (52-4, page 29)
<http://nt.ars-grin.gov/fungaldatabases/southafrica>
or <http://www.saspp.co.za/>
- PLANT-ASSOCIATED FUNGI OF BRAZIL (54-2)
<http://nt.ars-grin.gov>
(Select Search Fungal Databases, option 3, Host-Fungus Distributions)
- SYSTEMATICS OF THE SAPROLEGNACEAE (53-4)
<http://www.ilumina-dlib.org>
- WEB MSA (51-6)
<http://msafungi.org>

CALENDAR OF EVENTS

Event dates and descriptions precede event locations (*italic boldface*), contacts (*plain font*), and Email/Websites (*bold face, 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.

- 2003 (April 21 - May 4). **Sudden Oak Death International Online Symposium.**
DETAILS: *Inoculum* 54(2):12.
Carol Stiles
352-392-3631 x382
cstiles@ufl.edu
<http://sod.apsnet.org>
<http://danr.ucop.edu/ihrmp/sodsymposium.html>
- 2003 (July 26 - 31). **2003 MSA Annual Meeting.**
Asilomar, CALIFORNIA
Tom Bruns
510-642-7987
boletus@socrates.berkeley.edu
<http://msafungi.org>
<http://www.asilomarcenter.com/>
- 2003 (August 17-23). **Fourth International Symbiosis Congress.**
DETAILS: *Inoculum* 53(3):61
Halifax, NOVA SCOTIA
David Richardson
902-420-5493 (phone)
david.Richardson@stmarys.ca
<http://people.bu.edu/dzook/>
- 2003 (August 10-15). **Fourth International Conference on Mycorrhizae (ICOM 4)**
DETAILS: *Inoculum* 53(4):19.
Montréal, QUÉBEC
Yolande Dalpé
ECORC / AAC
Ottawa K1A 0C6 Canada
613-759-1381 (phone)
dalpey@em.agr.ca
<http://www.congresbcu.com/icom4>
- 2003 (September 22-27). **14th Congress of European Mycologists.**
Yalta, Crimea, UKRAINE
XIV CEM Secretariat
Department of Mycology
M. G. Kholodny Institute of Botany
Tereshchenkivska Steet 2
UA-01601 Kiev, Ukraine
xivcem@symbiosis.kiev.ua
<http://www.biodiversity.ac.psiweb.com/14cem>
- 2003 (May 25-29). **International Society for Human and Animal Mycology.**
San Antonio, TEXAS
Heather Drew
Imedex@®, Inc.
770.751.7332
www.imedex.com
<http://www.isham.org>

CALENDAR OF EVENTS *concl'd*

2003 (September 28 - October 4). 21st foray of the European Cortinarius Society/ 21es Journées européennes du Cortinaire.

Podbanské, SLOVAKIA
Slovak Mycological Society
Institute of Botany
Dúbravská 14
SK-842 23 Bratislava, Slovakia
botumyko@savba.sk
<http://www.jec-cortinarius.org> and/or
<http://fungi.sav.sk/jec21>

2003 (October 15-17). VIII Congreso Nacional de Micología (8th Mexican Mycological Conference).
DETAILS: *Inoculum* 54(2):12.

UAEM, Toluca, MEXICO
Mexican Mycological Society
Cristina Burrola Aguilar
Facultad de Ciencias, UAEM
Instituto Literario No. 100, C.P. 50000
Toluca, Mexico
Tel/Fax. 017222965553, 54 & 56
cba@uaemex.mx
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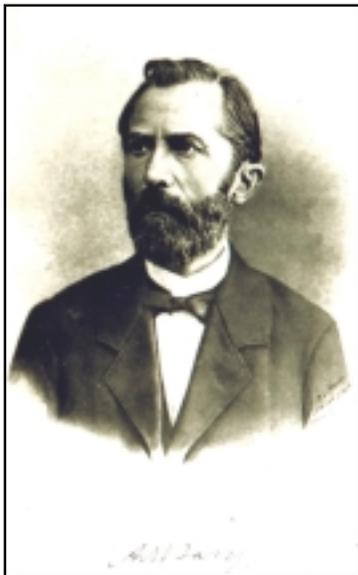


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The Newsletter
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Donald G. Ruch, Editor

Department of Biology
Ball State University
Muncie, IN 47306-0440
765.285.8829 Fax: 765.285.8804
druch@bsu.edu

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