--- In This Issue ---

Fungal Protein for Human Use ............ 1-2
MSA Official Business ..................... 2-15
From the President .......................... 2
MSA Council Email Express ............... 2-3
Important Announcements .................. 3-4

Annual Reports of:
Officers ........................................ 5-6
Publications ................................... 6-8
Standing Committees ....................... 8-9
Rotating Committees ...................... 10-11
Affiliates and Assignments ............... 11-13
Ad Hoc Committees ......................... 13-14
Representatives ............................ 14-15
From the Editor .............................. 15

Forms
Change of Address ............................ 25
Endowment & Contributions ................ 28
Gift Membership ............................. 30
Society Membership ........................ 31

Mycological News ............................ 15-20
Mycologist’s Bookshelf ..................... 20-24
Reviews: “Lichens of Antarctica and South Georgia. A guide to Their Identification and Ecology”
Mycological Classifieds ................... 24-25
Positions, Goods & Services, Fungi .... 26
Calendar of Events ......................... 26
Mycology On-Line ........................... 26-27
Sustaining Members ....................... 29-30

~ Important Dates ~
August 15: Deadline: Inoculum 53(5)
August 11-17: IMC VII
October 10-17: NAMA Annual Foray
July 27-31: MSA 2003 Pacific Grove, 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

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Fungal Protein For Human Use
by Karl Leo Braun and Gustavo Viniegra

Questions or comments should be sent to Karl Leo Braun at 5460 Ballentine Pike, Springfield, OH 45502 or email: <kbraun25@aol.com>.

As a follow up to his article entitled “An Interview With Dr. William Dudley Gray” [Inoculum 53(3):1-5] concerning the production of fungal protein, Karl Leo Braun contacted Dr. Gaston Guzman in Xalapa, Mexico. In turn, Dr. Guzman suggested that he get in touch with Dr. Gustavo Viniegra. Mr. Braun did contact Dr. Viniegra and received the following reply.

Dear Mr. Braun:

The idea to use mycelial cultures as fungal protein was considered in many countries, including Mexico, but to my knowledge, only the Rank Hovis and McDougall company started food protein from sugars at UK. I remember, Dr. Solomon’s announcing in 1980 at the International Biotechnology Symposium the approval of UK of mycelial protein for human uses. The brand name is Quorn and you may check the details in the following address <http://sst.tees.ac.uk/external/u0000504/Notes/protech/Fermentation/Quorn.html>. They use an edible strain of Fusarium graminearum, as a substitute protein in human diet. They got a boost with the problem of prions (mad cow disease) in England.

The most recent scientific work was done at Trinci’s lab. (Wiebe, MG, Robson, GD, Cunliffe, B, Trinci, AJP, Oliver, SG. 1992. Nutrient-Dependent Selection of Morphological Mutants of Fusarium graminearum A3/5 Isolated from Long-Term Continuous Cultures. Biotechnology and Bioengineering 40:1181-1189.) Marilyn Wiebe was in our lab and gave a lecture at Universidad Autónoma de Tlaxcala, near Mexico City. She showed us the commercial product in a freeze dried pack.

Tate and Lyle considered the production in Belize where they have sugar mills but discontinued the operation 30 years ago. IDRC from Canada financed in the 70’s a pilot project in Cali, Colombia, under the supervision of Dr. Gregory from Guelph University but it failed at the end of 1980’s. We tried to start, in cooperation with Senez and Raimbault, the production of Aspergillus niger in cassava meal but it showed no economic promise and was discontinued.

Merril Moo Young from Waterloo University tried to start the production of filamentous fungi on sugar cane bagasse. Mayra de la Torre from CINVESTAV del IPN (Mexico) did the same using mixed cultures. They always came with the conclusion that the break even point of edible single cell protein was the same price of powder milk.

In short, fungal protein is marketable if the market price is as high or higher than edible fungi, beef or poultry. The cheapest and by far most used fungal protein is the traditional (Agaricus, Pleurotus, Lentinus, etc.) I understand that the world market of edible fungi is
larger in sales volume than the market of industrial enzymes. That means, larger than 2 billion dollars.

The original idea to feed poor people with single cell protein was interesting but not good enough to cope with the production costs, using as benchmark the soy protein available in the market. There is not yet a better way to feed poor people than a mixture of cereals and leguminous grains, perhaps with some amaranth and sugar. I use this case to teach my students how to estimate the least cost for feeding people and the traditional Mexican diet is a champion: maize tortillas with black beans, a cup of coffee with sugar and a little bit of cheese or cheap sardines.

As a concluding remark, the story of single cell protein is older than you may think. It started at the First World War in Germany, it was renewed during the Second World War in England, Germany and USA and got the fancy of world experts during the post war years. Unfortunately the economic realities are such that this idea was useful only to feed sophisticated vegetarians in UK. It also helped a lot of laboratories to start worrying about fermentation technology around the world, including my own group.

Best wishes,
-- Gustavo Viniegra
Distinguished Professor
Department of Biotechnology
Universidad Autónoma Metropolitana
Iztapalpa, D.F., MEXICO
vini@xanum.uam.mx

I attach few references of our own work related to fungal protein production on cassava meal.


**Email Council Poll 2002-12** – On May 21, Executive Council approved purchase of a Pagemaker upgrade for *Inoculum* Editor Don Ruch.

**Additional Notes:**


-- Lorelei Norvell  
MSA Secretary

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**MEMORIALS**

A donation has been received for the uncommitted endowment funds in memory of Chester Ray *Benjamin*, given by Frances and Arthur *Welden*.

A donation has been received for the Rogerson fund in memory of Clark T. *Rogerson*, given by Margaret Barr *Bigelow*.

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**Attention MSA Members!!**

**MSA Online Membership Directory -- Important Information**

Due to the implementation of our new database, I was unaware there would be changes on the mailing labels when I sent out the yellow insert. This has caused confusion on reading the mail sheet to determine your member number.

To the right is an example of the new labels and how to determine your member number from this:

![Example of membership label]

You can locate your member number, directly above your name from the numbers listed above. Please OMIT the first TWO leading zeros (some members account number may begin with a zero, so please omit only the first two). The next 6 digits will be your member number. Example: 0012345 6000005211MYCOINOCEMDFA12/31/2002. My account number would be 012345. If you have any questions, please do not hesitate to contact me.

-- Linda Hardwick  
Association Manager  
785-843-1235 ext. 210
...is now online!
http://www.mycologis.org

MSA members will have FREE access to MYCOLOGIA ONLINE as part of their membership. Simply visit the MYCOLOGIA ONLINE site and choose a username and password.

Institutional subscribers get full online access.

Non-members can enjoy FREE TRIAL ACCESS to MYCOLOGIA ONLINE until DEC. 31, 2002!

Features include:

- downloadable PDF files of full articles
- downloadable, high resolution figures
- references downloadable to your favorite citation management software
- downloadable abstracts for non-subscribers
- optional e-mail Table of Contents

MYCOLOGIA ONLINE is a HighWire Press (TM) e-journal

OFFICIAL BIMONTHLY PUBLICATION of the MYCOLOGICAL SOCIETY OF AMERICA
Annual Reports: Officers

Executive Council’s recommended proposed dues increases (see above) on the annual spring ballot (Full Council); (ix) approve the list of five MSA members selected by the Ad Hoc Committee on MSA Mid-Career Fellows for recognition at the MSA 2002 annual meeting in Corvallis (Executive); (x) approve travel and lodging support to *Mycologia* Editor-in-Chief Joan Bennett to attend the 2002 MSA Annual Council meeting in Corvallis, Oregon (Executive); (xi) establish an electronic only subscription option for *Mycologia* institutional subscribers, to be set at $160 effective in 2003 (Full Council); and (xii) approved purchase of a Pagemaker upgrade for *Inoculum* Editor Don Ruch (Executive). Earlier Council Email decisions made during 2001-2002 include: (i) approval of the Karling Committee slate as presented by Chair Stephen Peterson; (ii) approval of supporting *Mycologia* Editorial Assistant Mary Langlois’ attendance of an Allen Press “Digital Workflow Seminar” in Lawrence, Kansas; (iii) approval of Gary Samuels as a 2002-2004 *Mycologia* Associate Editor; (iv) approval of David Geiser as the 2001-2006 appointee to the *Mycologia* Editorial Advisory Committee; (v) approval of Richard Kerrigan as a 2002-2004 *Mycologia* Associate Editor; (vi) approval of the MSA Mid-Career Fellows Award guidelines as set forth by the MSA Fellows Award ad hoc committee; and (vii) the decision not to recommend or underwrite group travel options or charters for 2002 foreign travel to extra-MSA conferences.

In February, April, and June sent summaries of Council Email decisions and names of candidates for MSA membership and Emeritus status to Editor Don Ruch for publication in *Inoculum*.

Compiled new member, life member, honorary, and emeritus candidate lists supplied monthly by Linda Hardwick for publication in each issue of *Inoculum*. The Society at large will vote to approve new and Emeritus members during the Annual Business meeting to be held on June 25, 2002, in Corvallis, Oregon. Since August, 2001, approximately 137 new members petitioned to join the Society and ten members (Donald Ahearn, Joseph Butler, Gwendolyn Caldwell, Ralph Kurtzman, David Larget, Anthony Liberta, Larry Don Robertson, Ian Ross, Robert Ulrich) requested Emeritus status.

Received with sadness notice of the death of long-standing MSA member, Past-President, Weston & Distinguished Mycologist Dr Clark Rogerson (1918-2001).

Responded to requests for MSA membership information, redirected mycological and procedural questions to the appropriate experts, and addressed miscellaneous membership concerns. As noted at mid-year, the Internet has transformed MSA business into a daily secretarial obligation, and the Secretary received or sent a total of 2100 Emails during the past ten months (from September 1, 2001, to June 21, 2002).

Seven weeks before the annual meeting requested agenda items, MOP (Manual of Procedure) suggestions, and annual reports from all Officers, Committee Chairs, and Representatives, with reminders sent to malingers four, three, two, and one week before the meeting. 45 out of 50 officers and committees responded. The agenda, final 2001-2002 MSA roster, and annual reports were compiled for the June 22 Council meeting and Emeritus lists prepared for presentation at the Annual Business Meeting.

Respectfully submitted,

-- Lorelei L Norvell
Secretary
Mycological Society of America
REPORT OF THE VICE PRESIDENT
2001-02

I attended the mid-year Executive Council Meeting in Cortland, New York on February 23, 2002; the minutes of that meeting are included among the year-end reports. With suggestions from the Nominating Committee and nominations from the membership at-large, I prepared a slate of candidates with accompanying biographical information. Five amendments to the By-Laws put forward by the MSA Council and Executive Council were included on the ballot. Ballots were mailed to the membership at the end of March with a voting deadline of May 31, 2002. The Vice President and four members of the Mycological Society of America counted the ballots on June 3, 2002. The four assisting members were: Jenni Anderson, Jinx Campbell, Huzefa Raja and John-Paul Schmit. Three hundred and seventy ballots were received; the results follow. David McLaughlin was elected Vice President, Sabine Huhndorf was elected Councilor for Systematics/Evolution, Faye Murrin was elected Councilor for Cell Biology/Physiology, David Rizzo was elected Councilor for Ecology/Pathology and Michelle Momany was elected Councilor for Genetics/Molecular Biology. All amendments were approved.

Respectfully submitted,
-- Carol Shearer

MSA BUSINESS -- ANNUAL REPORTS con’t

Mycologia: Managing Editor

Distribution: Publication of Mycologia is on schedule! 1898 copies of the March/April issue of volume 94 were mailed March 15, 2002.

On-line version: The big event of the year has been the March launch of Mycologia on-line by HighWire Press at www.mycologia.org. Access to on-line Mycologia is free to the public until 31 December 2002 and an advertising campaign is under way to encourage use of the site. At present only the issues of volume 94 (2002) are on the site. The plan is to make available volumes 91 through 93 on the site. The cost of loading the back issues has been included in the budget.

Page Charges: All authors are asked to pay page charges, but payment is optional. Charges are set at $40 per page and this rate has been in effect for several years. Based upon the positive response of authors in issues 1-3 of volume 94, revenue from page charges in 2002 will be about $15,000.

Indexing: Glassman Indexing Services of Ankney, IA, indexed volumes 92 and 93, and is under contract to prepare the Author & Subject, Fungus Taxa and Host indexes for volume 94.

Institutional Subscriptions: As of May there were 751 institutional subscribers, down from 781 at this time in 2001. The 2002 fees are $160 for US and Canada, $172 for foreign subscriptions. In 2003 the fees will be $175 for US and $190 for other countries.

Managing Editor’s expenses: In 2002 about $140.00 has been spent mainly on postage and phone calls. This does not include attendance at the Executive meeting in Cortland. In addition, most photocopying is available at no cost to MSA.

Membership directory: The new directory will be mailed about mid July with Mycologia 94(4). Eight membership categories are recognized. They are, with the number of individuals in parentheses, Member (916), Student (165), Life (60), Emeritus (122), Associate (46), Family (8), Sustaining (23) and Honorary (22).

Queries: In 2001 about 300 e-mails, letters and phone calls were sent/made on Mycologia related business, such as questions of copyright, page charges, galleys, sale of MSA mailing list, promotions proposed for publication in the journal, Medline proposal, and members comments and complaints.

Respectfully Submitted, -- J. Ginn

Mycologia: Editor-in-Chief

The Editor-in-Chief of Mycologia oversees a remarkable volunteer effort. Because of the support of our Associate Editors, Editorial Advisory Committee and reviewers, hundreds of manuscripts are processed each year. The job of Editor would not be possible without these contributions. My sincere thanks to everyone who has helped support our journal.

Since the beginning of the year, there has been considerable turn over in the roster of Associate Editors. By the end of Calendar Year 2001, the following Associate Editors had come to the end of their terms in office: James Correll, David Geiser, David Hibbett, Steven Miller, Jeffrey Stone, and Daniel Wubah. We are grateful to them for their years of service. Midyear, Paul Bayman (University of Puerto Rico, San Juan), Nicholas Money (Miami University, Oxford, Ohio), and Jim White (Rutgers University, New Brunswick, New Jersey) became new Associate Editors. In late September, the Editorial Advisory Committee was queried for additional nominations (The Editorial Advisory Committee has the following members: Jim Anderson, Gerald Bills, Tom Bruns, Joan Henson, and Harvey Hoch.) With their guidance, three additional new Associate Editors have been added to the roster: Richard Kerrigan (Sylvan, Inc., Kitanning, Pennsylvania), Gary Samuels (USDA, Beltsville, Maryland) and Karin Snetselaar (St. Joseph’s University, Philadelphia, Pennsylvania). Welcome aboard!

In addition to nominations for new members, the Advisory Committee was asked for advice considering start and stop dates for terms. All Associate Editors serve three-year terms. However,
when I became Editor-in-Chief, the starting and stopping dates for these terms were variable. For example, some served February 1 to January 31; others from September 1 to August 31, etc. Since the Associate Editors are listed on the inside cover of each issue of Mycologia, it necessitated a constant revision of the roster. Moreover, I found it confusing to keep track of the exact dates when individuals cycled off. So I asked for — and received — the blessings of the Advisory Board to change the terms to calendar year appointments. After some discussion back and forth, and some negotiations with each of the Associate Editors to extend or shorten their terms by a few months, the new system was put in place. Lorelei Norvell, Secretary, was very helpful during this transition. Now all Associate Editors will begin their terms on January 1st, and complete their terms three years later on December 31st. Associate Editors can still be renewed for one term.

Associate Editors are essential to the review process because they represent different areas of expertise. However, several areas of expertise are underrepresented, and the workload of Editors is unevenly distributed. We are especially in need of Associate Editors and/or reviewers who can handle papers about myxomycetes and medical mycology. For this reason, I requested permission to increase the number of Associate Editors to 18. At the spring Council meeting, this request was granted. The new Associate Editors will be appointed this fall; a roster of candidates will be solicited and discussed during the Editorial Board meeting in at the Annual MSA Meeting in Corvallis, Oregon, on June 24, 2002.

The biggest problem facing the journal continues to be the time it takes to get certain manuscripts reviewed. In some cases, reviewers are slow in returning papers. In other cases, Associate Editors have not been appropriately responsible. With a volunteer “workforce” it is difficult to control these vagaries. The authors who have faced unusual delays have my personal apologies.

The most visible recent development for Mycologia is that we became available on-line with High Wire Press. Credit for managing this new development goes to the special MSA ad hoc committee under the leadership of Jim Ginn, Managing Editor. Negotiations with High Wire Press for electronic publication of Mycologia were successfully completed last year. Allen Press now transmits our edited files to High Wire Press, and then (for a fee) High Wire takes care of publishing the electronic version of the journal.

The single most pressing need facing Mycologia concerns the manuscript management program. The current software is called RMTS and was put in place during David McLaughlin’s time as Editor-in-Chief. The company that produced and supported the software went out of business this year. We need to upgrade before the system crashes. It is almost certainly time to switch to an electronic manuscript management and tracking system. Allen Press is offering an attractive system, and there are also robust versions available from “Scholar One” and “Rapid Review.” Allen Press will present a demonstration of their system at the Council meeting in Corvallis. There are many advantages to electronic manuscript management; nevertheless, we recognize that adopting this kind of new system will have budgetary ramifications. Moreover, there will no doubt be many glitches and technical problems associated with the transition.

Manuscript flow continues to be strong. For the calendar year 2001, 97 papers were carried over and 200 were received for a total of 297 papers. Of these, 163 were accepted; 89 were rejected; 20 are still in review; 22 are in revision; and 4 were withdrawn. For the calendar year 2002, 44 papers are being carried over and 77 have been received as of June 10, 2002. Of the papers received in 2002, 3 have been accepted, 10 rejected, 47 are in review, 10 are in revision and 1 has been withdrawn.

The 2001 volume of Mycologia was number 93, and contained 1268 pages. The 2002 volume of Mycologia is numbered 94. To date, issues 1-4 are in print; 5 will be sent to Allen Press in mid June, 2002. Issue 6 of volume 94 is already full, and we are well on the way to filling Issue 1 of Volume 95. Thus, as we reported last year, we are running ahead of schedule and have no shortage of high quality papers in the queue.

Mary Langlois is doing an excellent job as Editorial Assistant. She faced some personal losses this year, yet she met all deadlines involved with getting the journal out on time. Her professionalism has been remarkable and she has my deepest respect for her ability to work under pressure and for her commitment to Mycologia.

Our relationship with Allen Press continues to be positive. Mary Langlois and I give special thanks to Linda Hardwick and Beverly Prescott for their dependable help on matters small and large. We also thank the members of MSA Council who have been supportive of the needs of our journal. Most of all, we thank the Associate Editors and the many reviewers who contribute their expertise and time to Mycologia.

Respectfully submitted,
-- Joan W. Bennett
Editor-in-Chief

**INOCULUM: Editor**

1. 1,400 copies of *Inoculum* are published by Allen Press six times a year and mailed with *Mycologia*. Since my last report (see *Inoculum* 52[5]:14), five issues of *Inoculum* have been published (52[5-6] and 53[1-3]). Each issue, with the exception of 53(1), contained a letter from the MSA president, e.g., 52(5) from President Miller, the rest from President Baroni. In addition, each issue usually contained six regular sections compiled by Ruch (MSA Business, Mycological News, Mycologist’s Bookshelf [prepared by John Zak], Mycology Online + Directory, Mycological Classifieds, Mycological Calender), two lists (sustaining members,
mashead), and four forms (membership, gift membership, endowment & contributions, change of address). One new feature of *Inoculum* is the placement of important announcements in large gray background boxes. Issues 52(5-6) and 53(1-3) also included:

--- *Inoculum* 52(5, October, 2001), 36 pages, 14 photos: Three feature articles by *Mueller* (Costa Rican Fungal Inventory), *Norvell* (Should the Type of *Coprinus* be Changed?), and *Redhead* (The Colon in Scientific Authorities); two book reviews *Rossman* (From Ethnomycology to Fungal Biotechnology ...), and *Chaverri* (Molecules, Morphology, and Classification ...); annual reports of MSA offices (9-12), publications (12-14), standing committees (15-17), rotating committees (18-20), representatives (20-23), and assignments (24). Shorter items were by *Norvell* (Email Express), *Ruch* (From the Editor), *Schaechter* and *Pfister* (Austrian Mushroom Paintings), *Kohn* (NCSE Conference on Science, Policy, and Environment), *Zook* (International Symbiosis Society), *Ruch* (IUMS Meeting), *Samuels* (Samuels in Yaunde, Cameroon and More).

--- *Inoculum* 52(6, December, 2001), 44 pages, 34 photos: Three feature articles by *Farr* (Interactive Key for *Hypomyces*), *Bruns* (ITS Reality), and *Nieves-Rivera* (UFO Rings and Fungi); one book review by *Goos* (Deuteromycetes, Mitosporic Fungi ...); the MSA 2002 Awards Announcements and Call for Nominations (9-12); MSA Annual Council Meeting by *Norvell* (13-16), Minutes of MSA Annual Business Meeting by *Norvell* (17-18); MSA 2001-02 Official Roster (18-21); and 2001 MSA Award Prizes. Shorter items were by *Norvell* (Email Express), *Ruch* (Foray Lists Requested), *Ruch* (From the Editor), *Colman* (IMC7 Grants), *Stephenson* (Stephenson at University of Otago), *Rossman* (How to Prepare and Deposit Voucher Specimens), obituaries (*Clark T. Rogerson* and *Henry Stenpet*), and *Ruch* (MSA Karling Lecturer Wins Nobel Prize).

--- *Inoculum* 53(1, February, 2002), 20 pages, 17 photos: Two feature articles by *Miller* (Strange New Fungus Among Us) and *Keller* (Range Extension for Fern). Shorter items were by *Norvell* (Email Express), *Ruch* (2002 MSA Foray), *Okuda* (Bennett Visits Japan), *Blackwell* (Moss Dies), *Lynch* (Phaff Receives Award of Distinction), and *Ginns* (New Membership Directory).

--- *Inoculum* 53(2, April, 2002), 32 pages, 27 photos: Three feature articles by *Keller* and *Skrabal* (New Myxomycete in Smoky Mountains), *Volk* (Hamongous Fungus – Ten Years Later), and *Nieves-Rivera* and *Darrah* (Myxomycetes and Protostelids in Puerto Rico); two book reviews by *Blanton* (Dictyostelium: Evolution, Cell Biology ...), and *Geiser* (Laboratory Guide to Common *Penicillium* Species); and midyear reports (12-13). Shorter items were by *Norvell* (Email Express), *Ruch* (2002 MSA Foray), *Ruch* (The Editor’s Corner), *Anderson* (Weresub Award for Students of Mycology), *Heath* (Real Find of the Century), and IMC7 Organizing Committee (IMC7: Excited Anticipation Towards August in Oslo).

--- *Inoculum* 53(3, June, 2002), 72 pages, 17 photos: Two feature articles by *Braun* (Interview with Dr. William Dudley Gray) and *Rossman* (Flora W. Patterson); *Iturriaga* (Atlas of Clinical Fungi); *Norvell* (Minutes of the Mid-Year Executive Council Meeting); midyear reports (17-18); and MSA 2002 Abstracts (19-60). Shorter items were by *Norvell* (Email Express), *Ruch* (2002 Foray), *Stephenson* (Visiting Russian Mycologist), *Stephenson* (Mycx Blitz in the Smokies), *Fogel* (UM Herbarium Finished Moving), *Baroni* (Baroni Receives Teaching Award), obituaries (*Graham Gooday*, *Gene Smalley*, and *Chester R. Benjamin*), and *Farr* (MASMC).

2. Deadlines for copy are on the 15th of even months, with the newsletter mailed by Allen Press around the 15th of odd months. Pleas for copy are emailed currently to approximately 110 MSA members about 2-3 weeks before deadline, with editorial cajoley generally incessant and ongoing. The membership has responded well, and *Inoculum* continues to receive submissions from members and non-members from all over the world. Over 95% of submissions are via email, greatly easing the editorial burden.

3. The Editor regularly sends complementary copies of *Inoculum* to NAMA (North American Mycological Association) and authors of feature articles. In addition, the Editor sends a PDF of each issue of *Inoculum* to Roy Halling, MSA Web Master, which are immediately loaded on the MSA Home Page. In addition, the Editor sends PDF copies of each issue to each MSA officer.

4. The Editor strongly suggests that Committee Chairs, Officers, and other Notables send really good photos of themselves to the Editor. Such as effort would greatly be appreciated by the membership.

5. Allen Press and *Beverly Prescott* have been consistently professional, helpful, and courteous.

Respectfully submitted,  
--- Donald G. Ruch  
Editor

### Annual Reports: Standing Committees

**ENDOWMENT COMMITTEE**

The Endowment Committee with the assistance of Amy Rossman and Gary Samuels has raised $35,030.81 between August 1, 2001 and June 15, 2002, including $2,720 for mentor travel funds; $1,840 for research awards; $22,690.81 for donations to the uncommitted endowment; and $7780 from the MSA Auction 2001, tee-shirts, mushroom pins and cookbooks. The members of the Endowment Committee are Judi Ellzey, Chair; Karen Snetselaar, Don Hemmes, Jo Taylor, and Thomas Harrington.

(Continued next page)
The current balances in the endowment funds are distributed as follows:

- Alexopoulos Travel Fund = $4,760.00
- Barksdale-Raper Travel Fund = $4,015.00
- Bigelow Travel Fund = $12,926.00
- Butler Travel Fund = $5,164.00
- Denison Travel Fund = $6,320.00
- Fitzpatrick Travel Fund = $4,825.00
- Fuller Travel Fund = $2,495.00
- Korf Travel Fund = $4,259.00
- Luttrell Travel Fund = $4,650.00
- Thiers Travel Fund = $3,815.00
- Trappe Travel Fund = $1,660.00
- Uecker Travel Fund = $3,205.00
- Wells Travel Fund = $2,800.00
- New Travel Award Fund = $64,000.00

Total Mentor Travel: $124,994
(Decrease of $3280)

The balances for the research funds are as follows:

- A. H. and H. V. Smith Fund = $24,997.00
- Martin-Baker Research Fund = $40,961.00
- Myron Backus Award Fund = $17,170.00
- Alexopoulos Prize Fund = $16,674.00
- Undergraduate Research Received = $16,674.00

Total Research Awards: $100,002
(Increase of $30,470.81)

Total Mentor Travel: $124,994
(Decrease of $3280)

The Uncommitted Endowment before Investment = $88,676.81.
Carryover = $58,206; Donations = $22,690.81; Auction = $7780
(Increase of $30,470.81)

Total Endowment: $313,672.81
(Increase of $35,030.81).

The Executive Council also recommended that no new named mentor travel fund be activated until such time that it has a sufficient amount of capital to produce interest to administer its travel award. I encourage all officers, counselors and committee chairs to donate to the Endowment funds and become members of the Endowment Honor Roll published in *Inoculum*. In this past year the number of endowment contributions to Allen Marketing and Management has continued to increase. We have ten out of thirteen travel mentor funds that are under $5,000.00. Don Hemmes is in charge of the MSA Auction. Karen Snetselaar has been in charge of the Tee-shirt sales.

Respectfully submitted,
-- Judi Ellzey, Chair

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**NOMENCLATURE COMMITTEE**

My last report appeared in *Inoculum* 52(5):17. This year I have entered my second period of chairing this Committee, and Teresa Iturriaga has succeeded Dick Korf as a member. Again a few requests for assistance with nomenclatural problems have reached me at CBS. On the CBS website <www.CBS.KNAW.NL> you find the discussion papers of the Committee for Fungi, its most recent report, and recently also Article 59 discussion items (see below). Since last year, a ballot has passed the official Committee for Fungi, resolving a few lichenological problems, settling the spelling of *Xeromphalina* and conservations of the name *Armillaria matsutake* and *Psathyrella* with a conserved type. Other nomenclatural problems associated with *Coprinus* and related genera have not yet been voted upon.

A major development in nomenclature is the initiation of a discussion group, thanks to an initiative by David Hawksworth from March 19, 2001, with the aim of investigating possibilities of eventually abolishing Article 59, which, according to some mycologists, serves taxonomy badly. The group can be reached through email at the following changed email address: <article59@kendy.up.ac.za>.

Major components of the discussion are:

a) whether the sharp distinction between teleomorphic genera and anamorphic genera, with nomenclatural precedence assigned to the former, is to be given up.

b) a possibly equal status of specific epithets introduced for either teleomorphs or anamorphs (or synanamorphs) and the possibility of recombining them freely from any genus to another.

c) the complete abolition of a duplicate nomenclature for admittedly connected morphs.

Hennebert & Gams have written a 29 pages text in which 6 possible procedures are envisaged about how to achieve such solutions without causing chaos in fungal nomenclature. This text can be downloaded from the CBS website. The different kinds of typifying function of fungal material are crucial: holomorphic typification, i.e. representing a fungal species in all its parts while not every structure need be present (so far only attributed to teleomorphic non-lichenized ascomycetes and basidiomycetes) — or anamorphic typification, i.e. anatomical and supporting only the morph present in the material. To achieve a unified nomenclature, a change from the anatomical to holomorphic typification for all fungi will be necessary. Debates pro and contra abandoning Art. 59 are being prepared for the 7th International Mycological Congress in Oslo.

-- Walter Gams

Centraalbureau voor Schimmelcultures
gams@cbs.knaw.nl
Annual Reports: Rotating Committees

AWARDS COMMITTEE:
MSA DISTINCTIONS

The 2001–2002 Awards Committee was composed of Jack D. Rogers, Chairman, Greg Mueller, Brent Heath, Ronald Petersen, and Scott Redhead. On request of the Awards Committee the composition was increased from four members to five members, assuring that a tie vote would not occur. President Baroni appointed Scott Redhead as the fifth member. It is noteworthy that the selection of the Fellow awardee was removed from the Awards Committee by Council. Jack Rogers’ term on the Committee terminates after the Corvallis meeting. Brent Heath will be Chairman of the Committee for 2002–2003.

The principal duty of the Committee is to select awardees from among nominations from the membership. One awardee was selected for each of the following awards: Distinguished Mycologist, Wm. H Weston Distinguished Teacher, and Alexopoulos Prize.

-- Jack Rogers, Chair
rogers@wsu.edu

AWARDS COMMITTEE:
MENTOR STUDENT TRAVEL

On behalf of the MSA Mentor travel Awards Committee for the 2002 Corvallis meeting, I offer the following report:

1. The 2002 committee consisted of Jose Herrera (Truman State University) as chair, Charles W. Bacon (USDA, Athens, GA), Rosalind Lowen (New York Botanical Garden), and Greg Thorn (University of Western Ontario).

2. Rosalind Lowen is scheduled to be the committee’s next chair (2003) as established in previous revisions to the committee guidelines.

3. Requests for applications were published in Inoculum 52(6) December 2001 with awards set at $500 and having a 31 January 2002 deadline.

4. The chairman contacted the MSA web manager (Roy Halling) to update the MSA web page <http://www.erin.utoronto.ca/~w3msa/awards.html#>. The chair updated the information concerning the student travel awards and E-mailed the html file to the web manager. The chair respectfully suggests that this task be included in the chair’s responsibilities in the manual of operations.

5. A total of 7 applications were received and were ranked by the committee using the criteria established in the new manual of operations.

6. Endowment Chair Judi Ellzey informed the chair of the committee that 6 awards (1 Alexopoulos, 2 Bigelow, 1 Butler, 1 Denison and 1 Fitzpatrick) should be funded and the committee assigned the top 6 applicants to appropriate mentor awards. The seventh application arrived several weeks late and most of the committee felt it should not be funded. A list of the 6 winners of the 2002 travel awards is appended.

7. Award winners were notified initially by E-mail, then letters were sent to all applicants and to their major professors who wrote supporting letters. Three students (Brimer, Kenney, and Simpson), provided addresses for notification of the award so that they could secure matching funds. The committee chair wrote letters verifying the award for each of these students. Award winners were encouraged to write letters of appreciation to mentors or their survivors (if known) as has been done in previous years.

8. Award winners will be given biographical sketches of their travel award mentors as they are recognized at the Business Meeting.

Respectfully submitted,
-- Jose Herrera, Chair
2002 Mentor Travel Awards Committee

2002 Student Mentor Travel Award Winners

The entry for each award included: Name of mentor award, winner’s name, affiliation, degree in progress, major advisor, and title of presentation(s).

Awards are listed in alphabetically by name of the mentor.

C.J. Alexopoulos Award:
Nicholas C. Zitomer, University of Wisconsin, LaCrosse, M.S. Thomas J. Volk, Isolation and identification of novel compounds and antibiotics from Basidiomycota fruiting bodies.

H.E. Bigelow Award:
Nicholas B. Simpson, Louisiana Tech University, B.S. Wes Colgan, The use of mtATP-6, mtSSU and nucLSU genes to test for a rational arrangement of the order Phallales.

H.E. Bigelow Award:
Amanda Brimer, Louisiana Tech University, B.S. Wes Colgan, Monophyly of the Mesophelliaceae.

E.F. Butler Award:
Sean E. Westmoreland, University of Wisconsin, LaCrosse, M.S. Thomas J. Volk, A morphological, pigment and molecular study of Hydnellum (Basidiomycota, Thelephoraceae).

W.C. Denison Award:
Shelby R. Kenney, Louisiana Tech University, B.S. Wes Colgan, Monophyly of the Mesophelliaceae.

H.M. Fitzpatrick Award:
Cindy K. Cordery, Arizona State University, Ph.D. R.W. Roberson, Batrachochytrium dendrobatidis (Chytridiales) infection process in Bufo boreas boreas (Boreal Toad).

NOMINATIONS COMMITTEE

The committee conducted business via email. Names of candidates for the office of Vice-president, and Councilors for Cell Biology/Physiology, Genetics/Molecular Biology, Systematics/Evolution, and Ecology/Pathology were assembled and subjected to a series of votes. The Committee’s final slate of nominees for the MSA ballot was forwarded to the Vice President at the end of January. Thus completing the duties of the Committee in respect of the 2002 elections.

-- Jim Ginns, Chair
Ove E. Eriksson is a leading expert in the phylogeny and systematics of the Ascomycota. He was elected Professor at Umeå University in 1999. Eriksson also published a list of all SSU rDNA sequences from Ascomycota submitted to GenBank, a most useful tool for many mycologists. His classification system has been adopted by GenBank and the 9th edition of the ‘Dictionary of the Fungi.’

“I have no doubt that he will come to be remembered by future generations as the key figure in modernizing our views of ascomycete classification.” (David Hawksworth)

His supporters speak of him as most unassuming, but always at great pains to help other researchers wherever he can, and Ove is well-known as a most careful and constructive reviewer of papers.

Respectfully Submitted,
--Jim Ginns, Chair

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**COMMISSION ON COMMON MUSHROOM NAMES FOR NORTH AMERICA**

**Members**

Joint MSA & NAMA appointments:

- Scott Redhead (2001-2006)
- Lorelei Norvell (2001-2006)
- Judy Roger (2001-2006)

Independent MSA appointments:

- Tom Volk (2001-2005)
- Walt Sundberg (2001-2004)

Independent NAMA appointments:

- George Riner (2001-2005)
- Carol Dreiling (2001-2004)

As noted in our previous report, during 2001 under the guidance of Tom Volk, over 1500 Latin names (with common names) were typed into an MS Word file (in table form), from eight major field guides used by North America mushroomers i.e., guides by Peterson, Arora, Miller & Farr (itself a compilation), Dorling (Laesoe & Lincoff), Harper (another compilation), Kidby, Pegler, and Konemann. This year, under the direction of Scott Redhead, this table was converted to the database formats, MicroSoft Access and dBase revealing duplications and other irregularities in the original list that were corrected. The subsequent record containing 6274 unique combinations of Common-Name+Latin-Name +Reference that can now be manipulated together or independently was then distributed to all Commission members. At the same time, members were sent the reference used by the USDA for standardizing flowering plant names (Kartesz, JT & Thiertet, JW 1991). Common names for vascular plants: guidelines for use and application. Sida 14(3): 421-434. Commission members are now debating how best to obtain feedback from MSA and NAMA members on selected groups of species or genera. The project is daunting because of the number of names involved. Current thinking within the Commission leads us to believe it would best be done using a web site. Now that the base list is in database format, changes are easily made and linked.

The following is a sample listing of a showy genus, *Amanita*, and the many variations on common names (and Latin names) that occur from guide to guide. Sometimes names are merely variations on themes, where differences consist of simply a change in capitalization or the presence or absence of a hyphen. In just this single genus, there is also no consistency in common names regarding the use of “Amanita” versus “agaric”. The Commission must decide whether to standardize all, go with overwhelming popular opinion on one or another book, or start from scratch.

* Amanita alba  White Ringless Amanita
* Amanita aspera  Rough Amanita
* Amanita aspera  Warted Amanita
* Amanita aspera  Western Yellow Veil
* Amanita aspera  Yellow-veiled Amanita
* Amanita buccata  Sand Amanita
* Amanita baccarea  Yellow-brown Grisette
* Amanita brunnescens  Brown Amanita
* Amanita brunnescens  Browning Amanita
* Amanita brunnescens  Brownish Amanita
* Amanita brunnescens  Cleft-Foot Amanita
* Amanita brunnescens  Cleft-foot Amanita
* Amanita brunnescens  Cleft-foot Amanita

In the beginning single-handedly is shown by the recent addition of 6 associates as editors of the ‘MYCONET.’ Recently, Ove also published a list of all SSU rDNA sequences from Ascomycota submitted to GenBank, a most useful tool for many mycologists. His classification system has been adopted by GenBank and the 9th edition of the ‘Dictionary of the Fungi.’
Amanita brunnescens  Cleft-foot Death-cap
Amanita brunnescens  The Cleft-foot Amanita
[none of the following A. caesarea are correctly scientifically named]
Amanita caesarea  American Amanita
delict Amanita
Amanita caesarea  American Caesar’s Mushroom
Amanita caesarea  Caesar’s Amanita
Amanita caesarea  Caesar’s Mushroom
Amanita caesarea  Orange Amanita
Amanita caesarea  Orange Yellow Amanita
Amanita caesarea  Royal Agaric
Amanita calyptrata  Coccocolly
Amanita calyptrata  Coccocolly Mushroom
Amanita calyptrata  Hooded Grisette
Amanita calyptradera  Capped Mushroom
Amanita calyptradera  Coccocolly
Amanita calyptradera  White-veiled Amanita
Amanita ceciliae  Scaly Grisette
Amanita chlorinosa  Chlorine Amanita
Amanita chlorinosa  Chlorine Lepidella
Amanita cinereocoria  Gray Dust
Amanita cinereopannosa  Rag-veil Amanita
Amanita citrina  Citron Amanita
Amanita citrina  Delicate Amanita
Amanita citrina  False Death Cap
Amanita citrina  False Deathcap
Amanita citrina  Napkin Amanita
Amanita citrina  var. alba  White False Death Cap
Amanita cokeri  Coker’s Amanita
Amanita cokeri  Solitary Lepidella
Amanita constricta  Constricted Grisette
Amanita cothurnata  Booted Amanita
Amanita crocea  Orange Grisette
Amanita crocea  Saffron Grisette
Amanita daucipes  Turnip-bulb Lepidella
Amanita echinocereus  Warty Amanita
Amanita eliae  Fries’ Amanita
Amanita exselsa  Tall Amanita
Amanita farinosa  Mealy Agaric
Amanita farinosa  Mealy Cap
Amanita farinosa  Powder-Cap Amanita
Amanita farinosa  Powder-cap Amanita
Amanita farinosa  Powdered Amanita
Amanita flavoconia  Yellow Amanita
Amanita flavoconia  Yellow Patches
Amanita flavoconia  Yellow Warf
Amanita flavoconia  Yellow Wart Amanita
Amanita flavorens  Yellow Blusher
Amanita flavorens  Warty Deathcap
Amanita floriana  Frost’s Amanita
Amanita fulva  Fulvous Amanita
Amanita fulva  Tawny Amanita
Amanita fulva  Tawny Grisette
Amanita fulva  Tawny Ringless Amanita
Amanita gemmata  Crenulate Amanita
Amanita gemmata  Gemmed Agaric
Amanita gemmata  Gemmed Amanita
Amanita gemmata  Jeweled Deathcap
Amanita gemmata  Jonquil Amanita
Amanita hemiphaea  Eastern Caesar’s Mushroom
Amanita inaurata  Gilded Grisette
Amanita inaurata  Gray Amanita
Amanita inaurata  Gray Amanitopsis
Amanita inaurata  Strangulated Amanita
Amanita inaurata  Strangulated Amanitopsis
Amanita inaurata  Warty Grisette
Amanita junquillea  Jonquil Amanita
Amanita magniverrucata  Pine Cone Amanita
Amanita muscaria  var. formosa  Fly Agaric
Amanita muscaria  var. formosa  Yellow Orange Fly Agaric
Amanita muscaria  var. formosa  Yellow-orange Fly Agaric
Amanita muscaria  var. muscaria  False Orange
Amanita muscaria  var. muscaria  False Orange Amanita
Amanita muscaria  var. muscaria  Fly Agaric
Amanita muscaria  var. muscaria  Fly Amanita
Amanita muscaria  var. muscaria  Fly-poison Amanita
Amanita muscaria  var. muscaria  Orange Yellow Fly Agaric
Amanita ocreata  Death Angel
Amanita ocreata  Destroying Angel
Amanita onusta  Loaded Lepidella
Amanita ovoidea  Ovoid Amanita
Amanita pachycoclea  Western Grisette
Amanita pantherina  Panther Amanita
Amanita pantherina  Panther Amanita
Amanita pantherina  Panthecap
Amanita pantherina  The Panther
Amanita pantherina  The Panther Cap
Amanita parvicollata  False Caesar’s Mushroom
Amanita parvicollata  Flimsy Veil
Amanita parvicollata  Slight-voilate Amanita
Amanita peckiana  Glue Cap
Amanita phalloides  Deadly Amanita
Amanita phalloides  Death Angel
Amanita phalloides  Death Cap
Amanita phalloides  Death Cap Amanita
Amanita phalloides  Death Cup
Amanita phalloides  Deathcap
Amanita phalloides  Destroying Angel
Amanita phalloides  Poison Amanita
Amanita polypyrnas  Many Warts
Amanita porphyra  Booted Amanita
Amanita porphyra  Brown-capped Amanita
Amanita porphyra  Fresh-skinned Amanita
Amanita porphyra  Gray-brown Amanita
Amanita porphyra  Gray-veil Amanita
Amanita porphyra  Porphyry Deathcap
Amanita porphyra  Porphyry False Death-cap
Amanita porphyra  Purple-brown Amanita
Amanita proxima  Close Amanita
Amanita ravenelli  Pinecone Lepidella
Amanita rhopalopus  Club Foot
Amanita rubescens  Blusher
Amanita rubescens  Blushing Amanita
Amanita rubescens  Blushing Venenarius
Amanita rubescens  Reddish Amanita
Amanita rubescens  The Blusher
Amanita silvicola  Western Woodland Amanita
Amanita silvicola  Woodland Amanita
Amanita silvicola  Woodland Lepidella
Amanita smithiana  Smith’s Amanita
Amanita smithiana  Toxic Lepidella
Amanita solitaria  Carved Amanita
Amanita solitaria  Solitary Lepidella
Amanita solitaria  Warted Amanita
Amanita sp.  Anonymous Amanita
Amanita spissa  False Panther Cap
Amanita spissa  Stout Agaric
Amanita spissa  Stout-stalked Amanita
Amanita spissa  Stout-stalked Amanita
Amanita spre$. Hated Amanita
Amanita s$$. Scorned Amanita
Amanita strobiliformis Fir Cone Amanita
Amanita strobiliformis Pine Cone
Amanita
Amanita tephea Gray Lepidella
Amanita vaginata Conspicuously Veiled
Vagin
Amanita vaginata Gray Ringless
Amanita
Amanita vaginata Grisette
Amanita vaginata Ringless Amanita
Amanita vaginata Shaethed Amanita
Amanita vaginata Sheathed
Amantopsis

Amanita vaginata var. alba White Grisette
Amanita vaginata var. vaginata Grisette
Amanita velosa Orange Amanita
Amanita velosa Orange Spring Amanita
Amanita velosa Springtime Amanita
Amanita verna Destroying Angel
Amanita verna Fool's Mushroom
Amanita verna Spring Amanita
Amanita verna White Death Cap
Amanita verna White Death Cup
Amanita virosa Destroying Angel
Amanita virosa Poisonous Amanita
Amanita virosa The Blusher
Amanita virosa White Amanita
Amanita virosa White Angel
Amanita volvata Large-Sheathed
Amantopsis
Amanita volvata Volvate Amanita
Amanita volvata Volvate Amantopsis
Amanita wellisi Salmon Amanita

As can be seen, progress will be slow but manageable.

Respectfully submitted,
-- Scott A. Redhead

Annual Report: Ad Hoc Committees

STUDENT AND YOUNG INVESTIGATOR FOREIGN TRAVEL AWARDS

During the annual meeting of Council in Salt Lake City in 2001, it was decided that the MSA would disburse up to $4,000 in travel support in for graduate students and young investigators (i.e., those who received their PhDs within the past ten years) participating at IMC VII in Oslo, IUMS in Paris or ALM in Xalapa. This competition was advertised widely with announcements appearing in Inoculum as well as on the MSA, IMC VII and IUMS webpages. The Selection Committee (Dennis Desjardin, Wendy Untereiner and Rytas Vilgalys) reviewed 24 qualifying applications and selected eight award recipients.

Student Award Recipients:
Pat$ik Inderbitzin (IMC)
Tim James (IMC)
Andrew Miller (IMC)
Valerie Reeb (IMC)

Post-PhD Award Recipients:
Sharon Cantrell (ALM)
Karin Jacobs (IMC)
Jolanta Miadlikowska (IMC)
Brian Shaw (IMC)

The members of the Selection Committee were extremely impressed with the quality of the abstracts and the letters of support for graduate students. They wish to thank all of the young mycologists who participated in this competition, Linda Hardwick for verifying the membership status of applicants, Jonathon Colman, Ellen Farr and Roy Halling for their assistance in advertising these awards, and Tim Baroni, Lorelei Norvell and James Worrall for assisting the Committee Chair.

Respectfully submitted,
-- Wendy A. Untereiner, Chair

LONG RANGE PLANNING COMMITTEE:
2004 ANNUAL MEETING UNC-ASHEVILLE, NORTH CAROLINA

This ad hoc planning committee includes Rytas Vilgalys, Larry Grand, Dennis Drehmel and D. Jean Lodge. In spring 2001, after Larry Grand and Dennis Drehmel visited several possible venues in western North Carolina, UNC-Asheville was determined to be a most optimal site for the 2004 MSA meetings. The UNC-A campus is located about a mile from downtown Asheville, with dormitory housing and a variety of meeting rooms, lecture halls, and lab space (for some workshops and foray). Reasonably priced motels and a national forest campground are also close by. A firm reservation will need to be made next year, since UNC-A does not usually commit more than one year in advance. Numerous sites are available nearby for the annual foray, which will be led by Larry Grand. These meetings will also include participation by several amateur mycologist groups including NAMA and the Asheville Mushroom Club. We are still discussing the nature of participation by amateur mycologists with the MSA, but several options include joint MSA/NAMA workshops, and possibly a joint-sponsored symposium.

The Asheville area is ideally located for a mid-summer meeting, with access to many excellent natural areas and attractions including the Smokies, Biltmore Estate, and various restaurants, shops, and entertainment venues. Doc Watson, Billy Graham, and Eric Rudolph have also indicated they will try their best to make it to the MSA social, since they live in the area.

Several pre-meeting workshops are planned, these will be integrated with the ongoing fungal All-Taxon-Biological-Inventory (ATBI) in nearby Great Smoky Mountains National Park. The National Parks Service has already agreed to make their facilities available for some of these workshops. The workshops will bring together taxonomic experts of various fungal groups together with students and enlightened...
amateur mycologists interested in contributing to the ongoing ATBI efforts. Jean Lodge and Larry Grand will announce more detailed plans in the future about the workshops.

Respectfully Submitted,
-- Rytas Vilgalys
fungi@duke.edu

LONG RANGE PLANNING COMMITTEE: 2005 ANNUAL MEETING
MSA/MYCOLOGICAL SOCIETY OF JAPAN (MSJ) JOINT MEETING

The planning committee consists of MSA members Dennis Desjardin, David Hibbett and Maren Klich as well as MSJ members Yoshitaka Ono, Akira Suzuki and Takao Horikoshi and our Local Arrangements chair, Don Hemmes. We have met via email several times to conduct the preliminary planning for the 2005 meeting. The joint meeting will be held at the University of Hawaii, Hilo, July 30-August 5, 2005. Both hotel and dormitory housing will be available. The meeting is being organized to maximize both scientific and social exchange with our sister society. Virtually all of the sessions will be joint sessions. Symposia jointly chaired by one MSA and one MSJ member will be encouraged. Pre-meeting scientific forays and workshops will be held for those interested in specific groups of fungi. A number of social events are also being planned, including a luau and a visit to Volcanos National Park (perhaps we should call it our first 'pyro-mycete foray'). We encourage members to contact us with ideas for scientific sessions and workshop topics.

Respectfully Submitted,
-- Maren Klich, MSA Chair

Annual Reports: Representatives

AIBS EXECUTIVE COUNCIL MEETING 25 MARCH 2002, WASHINGTON, DC

President Gene Likens called the meeting to order at 9 am and asked for approval of the agenda items and also the approval of 2001 minutes. He announced that the theme of the 2003 AIBS annual meeting will be entitled “Bioethics for a Changing World.” This would likely be a one-day meeting held on a Saturday, March 22, 2003, and the Council meeting would be held on the next day (Sunday). The exact dates have yet to be announced. Likens reported that the meeting just held on evolution was a great success. President-elect Gary Hartshorn solicited ideas for the theme of the 2004 meeting. Executive Director Richard O’Grady reported that 45 of the 86 member societies of AIBS were present at the Council Meeting. To help publicize AIBS and recruit members, O’Grady suggested that each member society give AIBS a free half-page add in its journal or newsletter. MSA might consider this if it already has not been done. Ellen Paul and Adrienne Froelich of the AIBS Public Policy office each gave a brief report. To inform and educate members of Congress and their staffs, the office will be starting a new program entitled “AIBS Biology Classroom on the Hill.” Paul reported that the teaching of evolution in Ohio is under attack and that AIBS is involved in giving advice on the issues. Paul also reported that if any member society wants to speak with congressional representatives, AIBS is available to assist in arranging meetings. Scott Collins from NSF spoke on NEON (National Ecological Observatory Network). The following is taken from a brochure that he distributed: “This is a program to establish a continent-wide research network consisting of geographically distributed observatories, linked via state of the art communications; each observatory will consist of a consortium of instrumented field sites and support institutions creating a regional ‘footprint;’ collectively: a virtual lab accessed by hundreds of scientists for research to obtain a predictive understanding of the environment.” Each observatory is to cost about $20 million and two prototype observatories are being planned. Collins solicited advice and recommendations for where to set up these facilities and what types of measurements are to be recorded. Mary McKenna of the Minority Affairs Committee reported that 40% of the Ph.D.s in biology go to women; there are more women than men earning B.S. or M.S. degrees in biology; 80% of the B.S. biology degrees earn by African-Americans are women. Does MSA have a minority affairs committee? Patricia Morse, Education Committee chair reported that her committee is working on the creation of an AIBS undergraduate Biology degree framework.

Respectfully Submitted,
-- Clark L. Ovrebo
covrebo@ucok.edu

REPORT OF THE REPRESENTATIVE TO THE US NATIONAL COMMITTEE FOR THE INTERNATIONAL UNION OF MICROBIOLOGICAL SOCIETIES

The U.S. National Committee for the International Union of Microbiological Societies (IUMS) met on November 9, 2001 and April 15, 2002. A proposal to NSF for continued financial support of the Committee was approved. Requests for two meetings a year instead of one and for NSF to pay the dues to IUMS for individual societies represented by the Committee were included in the proposal. Both of these requests were approved which puts our committee in line with similar NAS committees with regard to these matters.

The major topics discussed by the Committee were the upcoming meeting of IUMS in Paris (July 18-August 2, 2002) and the forthcoming IUMS meeting in San
Francisco (July 24-29, 2005). Since the U.S. National Committee for IUMS will be responsible for developing and overseeing the program and assisting in the coordination of many aspects of the San Francisco Meeting, current committee members were asked to extend their time of service on the Committee through the summer of 2005. In addition, four committee members will attend the Paris Meeting as observers to become familiar with organizational matters, to advertise the upcoming San Francisco Meeting and to issue the formal invitation to the Congresses to attend the 2005 meeting in San Francisco. The theme chosen by the Committee for the upcoming meeting is “Microbes in a Changing World”. A logo will be selected at the fall 2002 committee meeting.

We established a National Organizing Committee (NOC) for the San Francisco meeting. The NOC is comprised of representatives from all the societies represented on the U.S. National Committee to IUMS and is organized according to the three congresses: Bacteriology, Mycology and Virology. So far the representative for mycology are: Jim Anderson, John Taylor and Tom White (MSA); Marc Cubeta (APS); Arturo Casadevall and Paula Sundstrom (ASM); and Joan Bennett (SIM). A request for an overall Program Chair for the Mycology Congress has been communicated to the MSA. The NOC will meet with the IUMS Committee this fall to begin planning for the San Francisco Meeting.

The Committee considered two additional matters. Applicants for ASM Travel Grants for the Paris Meeting were ranked and awardees selected. The Committee discussed the possibility of requesting financial support from NSF for a series of workshops on various microbiological topics to be held in developing countries. Input on this topic from MSA members is requested, as the matter will be discussed further at the Committee’s fall meeting.

Respectfully submitted,
-- Carol Shearer, Chair
U.S. National Committee for IUMS

From the Editor . . . .

Opss!!!

The last issue of *Inoculum* ran a feature article entitled “Flora W. Patterson, First Women Mycologist at USDA” (*Inoculum* 53[3]:5-9). The editor inadvertently left off the author of the article, Dr. Amy Rossman, Syst. Botany Mycology Lab, Beltsville, Maryland. The editor wishes to express his sincere apology to Amy and hopes the following makes up for the mistake.

-- Donald G. Ruch
Editor

Amy Rossman, Author

Photographic Record of Marine Mycologists

For the past few years we have been compiling a photographic record of mycologists who have worked with marine fungi. To date we have some 120 and these were displayed in three posters at the 8th International Marine and Freshwater Mycology Symposium in Egypt, July, 2001. However, a number have eluded us (or are camera shy!) and we are anxious to obtain photographs of the following. So if you have one, or can put us in contact with those listed, please e-mail us on <bhgareth@yahoo.com>.

Zoosporic fungi: Helen Vischniac, SGoldstein, MBelsky, Frank Perkins, FYKazama, MSFulcher, CEBlund, HHHo

Thank you,
-- Gareth Jones and Lai Pang

Identification Manual for Fungi from Utility Poles in the Eastern United States

The Identification Manual for Fungi from Utility Poles in the Eastern United States by C.J.K. Wang and R.A. Zabel is NOT out-of-print. It can be ordered by calling ATCC at 1-800-638-6597 asking for customer Service. The Item Number is 334-x. It costs $30 plus shipping.

-- CJK Wang, PhD
cjkwang@mailbox.syr.edu

Identification Manual for Fungi from Utility Poles in the Eastern United States

Since I retired from the University of Portsmouth I have a storage problem with a mass of personal reprints on marine fungi (my papers). They are currently in the garage and this will have to be cleared when I return to Portsmouth in July, 2002. If any one would like a set of these (or indeed know of any one that would appreciate a complete set) then please e-mail me on <bhgareth@yahoo.com>. The complete set runs to some 300 papers so some help with the postage would be appreciated. They will be sent out early 2003 at the latest. Any left over will be destroyed so as to make way for the car!

-- Gareth Jones

Identification Manual for Fungi from Utility Poles in the Eastern United States

The Identification Manual for Fungi from Utility Poles in the Eastern United States by C.J.K. Wang and R.A. Zabel is NOT out-of-print. It can be ordered by calling ATCC at 1-800-638-6597 asking for customer Service. The Item Number is 334-x. It costs $30 plus shipping.

-- CJK Wang, PhD
cjkwang@mailbox.syr.edu
Tree Canopy Myxomycetes: Outstanding Scholar and Thesis Award

This research project began with a grant from the National Science Foundation Biotic Surveys and Inventories Program to investigate the tree canopy biodiversity (myxomycetes, macrofungi, mosses, liverworts and lichens) in the park. Additional support from Discover Life in America has enabled the research team to include tardigrades, molluscs, and insects. One of the objectives of this project was to involve undergraduate and graduate students, a multidisciplinary research team of volunteers and park interns. Six student climbers from Central Missouri State University climbed a total of 240 trees representing 35 different tree species during two-three week periods in June, July and August of calendar years 2000 and 2001. Kenneth L. Snell (Kenny) was the graduate student and project leader who was in charge of all phases of the field and laboratory research.

Kenny recently completed his graduate master’s thesis entitled “Vertical Distribution and Assemblages of Corticolous Myxomycetes on Five Tree Species in the Great Smoky Mountains National Park”. Corticolous Myxomycetes were studied in relation to their association with certain tree species (Acer rubrum, Fraxinus americana, Liriodendron tulipifera and Pinus strobus) and height of occurrence in the canopy. The double rope climbing technique was used to collect bark samples at three-meter intervals to the tops of the tree species. Bark samples were cultured in the laboratory using the moist chamber technique. Results suggest that the myxomycete community composition among these tree species is similar, but occurrence and abundance of certain myxomycete species are related to differences in pH. No variation in species richness was detected at different heights in the canopy, and most species were obtained at all heights, up to 24 meters. This is the first study to characterize myxomycete communities of tree canopies. Eighty-four myxomycete species were identified, including 30 species not previously known to occur in the park.

Kenny was nominated for the Reid Hemphill Outstanding Scholar Award based on scholarship, research and citizenship. His thesis was nominated for the Graduate Thesis Award. Nominees were selected by a committee in the College of Arts and Sciences; final selections were made by a University-wide committee. Kenny Snell represented the Department of Biology as the winner of both awards. He received two plaques with his name engraved on them and also cash awards in a special Graduate Awards Reception. His thesis will be presented at the Fourth International Congress on Systematics and Ecology of Myxomycetes in August, 2002 as part of the Symposium on “Tree Canopy Biodiversity of Myxomycetes and Corticolous Myxomycetes” to be held in Meise, Belgium. I will remember his athleticism in climbing trees, his leadership skills in working with all of the undergraduate student projects, his due diligence in the many hours scanning moist chambers to record the myxomycete species data, his computer expertise in organizing our tree canopy database, but most of all, his night excursions where he taught me how to collect myxomycete fruiting bodies with a flashlight.

-- Harold W. Keller, PhD
haroldkeller@hotmail.com

Books and Book Information On-Line

On-Line Information About “Fungus Fred Goes Foraying”

Readers of Inoculum may be interested in a website I have created for Maggie Hadley’s new book, “Fungus Fred goes Foraying”, giving its table of contents, objectives, and purchasing information. Links to it will be found in two sections of Mycologium <www.science.ulst.ac.uk/rtm>: MyCOmplement (BMS Publications, other) and MycoMart (Books for mycologists).

-- Royall T. Moore, Editor
Mycologist
www.science.ulst.ac.uk/rtm/

Goals and Conditions for a Sustainable World

My new free book “Goals and Conditions for a Sustainable World” can now be downloaded at http://www.esep.de/journals/esep/esepbooks/html or by going to the main website for the journal Ethics in Science and Environmental Politics at http://www.esep.de/journals/esep/index.html then click “Contents” and “ESEP books.” ESEP is the publication organ of the Eco-Ethics International Union (www.eein.org).

Since a free book has no advertising budget, I am using this means to inform people that the book exists.

The book consists of 29 articles from professional journals and other sources, such as book chapters and the Abel Wolman Distinguished Lecture given to the US National Academy of Sciences. Provisions have been made to add additional articles that fit the book’s unifying theme (sustainable use of the planet) as they appear. Each article has a separate pdf designation so articles can be downloaded individually and viewed using Adobe Acrobat Reader.

A few hard copies may be produced for book review editors who require hard copies for their reviews.

I hope the book will engage your interest.

John Cairns, Jr., PhD
Virginia Tech
540.231.8010
**Professor Richard K. Benjamin**

Dr. Richard K. Benjamin, Professor of Mycology Emeritus, was born nearly 80 years ago on 9 April 1922 in Argenta, Ill. From age 7 he was reared in Champaign, Ill, where he attended primary and secondary schools and graduated from Champaign Sr. High School in June 1940. His studies at the University of Illinois, Urbana were interrupted by World War II, when he served in the Army from June, 1943, to Sept. 1946, as Sgt. to Capt. in artillery, infantry, and military police in mainland, USA, Philippine Islands and Japan. He returned to the University of Illinois in 1946 to take his B.S. in chemistry in 1947, his M.S. in botany 1949, and Ph.D. in Botany in 1951. He married Ethel Mae Picard (now deceased) in Champaign in 1946, and they had two children, Jane Ellen (Wentzel) of Boise, Idaho and Richard Henry of Lakeside Calif., both born in Champaign. Dick has 5 grandchildren.

Ben, as known to his friends, is one of the world’s most distinguished mycologists. He belongs or belonged to many national and international societies, including Sigma Xi, Phi Kappa Phi, Botanical Society of America (serving as Chairman of the Microbiological Section in 1955), Mycological Society of America where he rose through all the official ranks to president in 1965 and editor-in-chief of Mycologia (1970–1975), and fellow of the California Academy of Sciences and Linnean Society of London. Prestigious awards include National Research Council Fellow in Botany, Harvard University (1951–1952), New York Botanical Garden Award for Outstanding Contributions to the Fundamental Aspects of Botany (1963 for studies on Merosporangiferous Mucorales), and Distinguished Mycologist Award from Mycological Society of America (1993).

After his stint at Harvard, Ben’s entire academic career has been at the Rancho Santa Ana Botanic and CGS (now CGU) from his appointment in 1952 as Mycologist and Asst. Prof. of Botany to Prof. of Botany (1962) and Prof. of Botany Emeritus (1989), though many institutions including Harvard have tried to hire him away from Claremont. He has taught mycology to many of our graduate students and has trained 4 mycologists, Clifford J. Anastasiou, Gerald L. Benny, Donald H. ford, and Bruce Tucker. He has been editor of *Mycologia* and for many years of our *Aliso* and has published 62 important papers in mycology including extensive, superbly illustrated (with his own drawings) monographs and revisions of the Mucorales and Laboulbeniales. He has described and named numerous taxa from orders and families down to genera and species. At least 3 genera and 7 species have been named for R.K. Benjamin.

-- Mary Langlois
Tulane University

**Professor Carlos Da Silva**

With deep sorrow we regret to communicate that on April 23, illustrious mycologist Dr. Carlos Da Silva passed away. Dr. Da Silva was a distinguished member of the ALM. He was born in 1915 in Guaratingueta, São Paulo, Brazil, and since very young he was interested on medical mycology. He held high offices in the University of São Paulo, and was founder and director of the Institute of Tropical Medicine of São Paulo, and the Faculty of Medicine of São Paulo. He was appointed Honoris Causa Professor by the Federal University of Ceará, and the National University of Northeastern Argentina. He was also ex-Secretary of Hygiene of São Paulo Municipality, ex-President of the Association of Medicine of São Paulo, the Brazilian Society of Tropical Medicine, and the Brazilian Society of Allergy and Immunopathology. He was granted several prizes and recognitions for his long and fruitful career. He published as well many papers and books, all of them very important.

During the General Assembly of the ALM, to be held in the IV Latin-American Congress of Micology it was planned to appoint Dr. Da Silva honorary member of the ALM, considering his important academic, scientific and cultural contributions. We propose to appoint him now as a posthumous tribute. The managing board of the ALM present our condolence for such a lamentable lost for Latin-American mycology.

-- Gaston Guzman, PhD
President of the Asociacion Latinoamericana de Micologia
guzmang@ecologia.edu.mx

**Mycologists on the Move**

**Professor E. B. Gareth Jones**

Change of working address:
Biotec has relocated to a new science park outside Bangkok. So please use the following address for me in future. Thank you.

National Center for Genetic Engineering and Biotechnology (Biotec), 113 Phaholyothin Road, Klong 1, Klong Luang, Pathumthani 12120, Thailand. Phone: 66-2564-6700, ext. 3548; FAX: 66-2564-6701-6705; Mobile: 01-423-3232; email: bhgareth@yahoo.com.

For information only: My UK address remains Nantgaredig, 33B St. Edwards Road, SOUTHSEA, HANTS, PO5 3DH, ENGLAND, UK. Phone: 44-2392-613-090; Fx: 44-2392-613-090; Mobile: 01-9244-7542.

Travel arrangements for the remainder of 2002:
7th July to 15th September at my UK address.
23rd September to 14th December at BIOTEC, Thailand.
14th December to January 2003 at my UK address.

-- E. B. Gareth Jones

17
Dick Korf has Changed Email Address

PLEASE NOTE that I have abandoned <rkorf@att.net> as an email address and shall use <info@mycotaxon.com> for all Mycotaxon—related matters, and <rpk1@cornell.edu> for personal matters.

-- Dick Korf

Jack Murphy

Jack Murphy has completed his move. He can now be contacted at John (Jack) Murphy, Department of Biology, Linfield College, 900 SE Baker Street, McMinnville, Oregon 97128-6894; 503-883-2466 (temporary); Fax: 503-883-2566; email: jmurphy@linfield.edu.

-- Jack Murphy

Systematics of the Saprolegniaceae is On-Line

Terry W. Johnson, Jr., Roland L. Seymour, and David E. Padgett are pleased to announce the on-line publication of their Treatise entitled Biology and Systematics of the Saprolegniaceae. This work includes a critical interpretation of world literature (in all languages) dealing with all aspects of watermold morphology, physiology, and ecology (30 Chapters) as well as a comprehensive revision of the systematics (with keys and extensive illustrations) for all genera and species (20 Chapters). In excess of 2800 reference are cited. This Treatise is made available (on or before 1 August 2002) to the scientific community at no cost and can be accessed on-line using the URL <http://www.ilumina-dlib.org>. Select “advanced search” (bottom of first screen). In the advanced search screen enter the contributor name “Padgett” in the “search for” window, check “Book” in the “Learning Resource Type” section, then click on “submit” at the bottom of the same screen.

-- David E. Padgett, PhD
UNC Wilmington

Upcoming Meetings . . . .

4th International Congress on Systematics and Ecology of Myxomycetes

The National Botanic Garden of Belgium is pleased to announce the Fourth International Congress on Systematics and Ecology of Myxomycetes (ICSEM 4) which will be held in Meise (near Brussels) from August 4 until August 9, 2002. The purpose of ICSEM 4 is to create a forum where both amateurs and professionals can meet and exchange knowledge.

On request you will received information, together with the inscription form of you can download the same information at http://www.br.fgov.be/RESEARCH/MEETINGS/index.html.

We hope to welcome you in the summer of 2002 and we will do our utmost to make your stay in the National Botanic Garden of Belgium an agreeable one.

-- J. Rammeloo
President ICSEM 4
National Botanic Garden of Belgium
Domein van Bouchout
B-1860 Meise
Rammeloo@BR.fgov.be

VIII International Fungal Biology Conference
Guanajuato, GTO, Mexico
December 1-5, 2002

We invite all scholars and students interested in the analysis of cellular and molecular aspects of fungal growth, development, differentiation, and morphogenesis to attend the VIII INTERNATIONAL FUNGAL BIOLOGY CONFERENCE at Guanajuato, México, on December 1-5, 2002.

The city of Guanajuato, located in the central part of México has been named by UNESCO part of the cultural heritage of mankind due to its picturesque location, and the number of beautiful palaces, historic buildings, and churches erected during the colonial period. The city contains also important museums, and a number of unique underground streets.

The conference will take place in one of the most beautiful ex-Haciendas of Guanajuato, now turned into the picturesque four-star Hotel Parador San Javier. Both city and hotel will offer an ideal background for a memorable scientific meeting.

ORGANIZATION
Conference Secretariat: Jesús Aguirre and José Ruiz-Herrera
Chairman of the International Steering Committee: Salomón Bartnicki-García
Local Committee: Félix Gutiérrez-Corona, Doralinda Guzmán-de-Peña, Alfredo Herrera-Estrella, Claudia León-Ramírez (Treasurer), Guadalupe Martínez-Cadena, Georgina Reyna-López, Cristina G. Reynaga-Peña (Registration), Olivia Sánchez.
Conference Office: VIII IFBC, Centro de Investigación y de Estudios Avanzados del IPN. Unidad Irapuato. Apartado Postal 629. Irapuato, Gto., 36500, MÉXICO. Phone: +52 (462) 623-9653, FAX 624-5849. Email: ifbc@ira.cinvestav.mx  Web page: www.ira.cinvestav.mx/cur-even/fungal.htm

Preliminary Program
KEY NOTE SPEAKERS: Regine Kahmann and Salomón Bartnicki-García
SYMPOSIA
1. Fungus-host interactions. Organizers: Francis Martin and Garry Cole
2. Signal transduction. Organizer: Ralph Dean
5. Fungal structure. Organizer: Robert Roberson
6. Fungal growth and differentiation. Organizer: José Ruiz-Herrera

WORKSHOPS
1. Fungal cell wall synthesis and structure. Organizer: Rafael Sentandreu
2. Genomics. Organizer: Angel Domínguez
4. Secretion and extracellular enzymes. Organizer: Cees van den Hondel
5. Fungi in biological control. Organizers: Ilan Chet and Alfredo Herrera-Estrella

TOPICS FOR FREE COMMUNICATIONS
Fungus-host interactions, Secretion and extracellular enzymes, Signal transduction, Non-conventional yeasts, Fungal structure, Fungal growth and differentiation, Genetics, Genomics, Fungal pathogenesis, Secondary metabolism, Fungal cell wall synthesis and structure, Sexual and asexual development, Biotechnology, Evolution and phylogenetics, Fungal cytoskeleton, Regulation of fungal metabolism, Stress responses, Others.

SOCIAL PROGRAM: Welcoming reception; Callejoneada — a unique style of touring downtown Guanajuato at night, visiting its alleys while accompanied by live music; folk dance ballet; farewell dinner. No cost for registered attendants.

ABSTRACT SUBMISSION: Abstracts for lectures, symposia, workshops and free communications should be submitted ONLY by filling out the corresponding forms at the Web site: www.ira.cinvestav.mx/cu-reven/fungal.htm. The deadline for abstract submission is AUGUST 31, 2002.

REGISTRATION: Deadline for registration is OCTOBER 31, 2002. Registration will be limited to 250 participants. Please fill the electronic form at the Congress Web page.

FEES
Before August 31, 2002:
Regular: $385
Students: $180
Accompanying persons: $140
After August 31, 2002:
Regular: $515
Students: $260
Accompanying persons: $185

Registration will cover: Transportation from the Leon airport (if needed, and only on Sunday Dec. 1), identification badge, portfolio, program and proceedings, welcoming reception, admission to scientific sessions and poster presentations, luncheons for December 2-5, admission to social activities, and farewell dinner. The registration fee for accompanying persons will also cover a special sightseeing tour, but no portfolio, program, proceedings nor admission to sessions.

TRANSPORTATION: The City of Guanajuato is served by the Leon (“Bajío”) International Airport, listed by international airlines as LEON (BJX), and located about 30 km from Guanajuato City. It is connected by direct flights to the main Mexican cities, including México City, as well as to US cities: Los Angeles, Oakland, Chicago, Dallas, Houston and Atlanta. Taxi service to Guanajuato is available at the airport. On Sunday December 1 only, a special information desk will be arranged at the airport, and a free shuttle bus will transport congress attendants to the Conference Hotel. By road, comfortable coaches connect Guanajuato to México City and other important cities in the country.

Fourth International Conference on Mycorrhizae
The Fourth International Conference on Mycorrhizae (ICOM 4) will be held in Montréal Québec Canada on August 10–15, 2003 under the theme: Mycorrhizae, fundamental and multipurposed. The theme chosen for the conference refers to the basic role of mycorrhizae in the evolution of life, plant species, land ecosystems, and the multiple benefits man can derive from their use. The scientific program will include 4 special lectures in plenary sessions, and 14 symposia, each with a keynote speaker, covering major mycorrhizae topics of interest to participants, as well as contributed paper sessions under related themes. Symposia topics will cover the fields of evolution, phylogeny, systematics, physiology, molecular biology, several aspects of ecology, as well as industrial applications. The final symposium program will be posted on the ICOM4 website: <http://www.congresbcu.com/icom4>.

The International Conference on Mycorrhizae is hosted in Canada for the first time and will be a prime source of information in the field of mycorrhizal symbiosis. As the conference will be held jointly with the Canadian Society of Agronomy (CSA) and the Canadian Society of Soil Sciences (CSSS) and as it will be attended by mycorrhizologists from all around the world, it should provide participants opportunities for networking with colleagues, scientists, agronomists, industry people, and other professionals from every continent.

The ICOM4 organizing committee includes representatives from various universities, government, and industry. The executive committee consists of Y. Dalpé (Ottawa), C. Hamel (Montreal), and J.A. Fortin (Québec). The Conference will be held at the ICAO (International Civil Aviation Organization Conference Centre), a modern, well-equipped centre, located downtown Montreal, close to transportation, lodging, and restaurants. During the
conference, theme and tourist excursions, as well as field trips will be organized to provide participants with the opportunity to profit from the surrounding nature and attractions. A dinner-cruise on the St-Lawrence river will be offered on Thursday night.

All information related to registration, oral and poster presentations, sponsorship, and social activities will be posted on the website: http://congresbcu.com/icom4.

-- Yolande Dalpe
dalpey@agr.gc.ca

THE MYCOLOGIST’S BOOKSHELF


I once encountered the sentiment, put forth by a prominent researcher of microbial adaptation to low temperatures, that “Antarctica is a continent with an ecology dominated by microorganisms.” With it’s flora consisting of only two flowering plants, along with about 150 mosses and about 260 lichens – not to mention unknown numbers of microscopic soil fungi and bacteria – I was rather taken with the supposition and found a way to work it into my Ph.D. thesis. But Ron Lewis Smith, ever the practical and attentive scientist (and leading authority on Antarctic ecosystems), sited a lack of actual data to support the statement and suggested I remove it. I acquiesced, relegating the statement to a sound bite for introductory remarks at seminars and talks. In any case, never mind that both the author of the original notion and Dr. Lewis Smith participated in my thesis defense: the offending statement had been safely removed and thus a relatively amicable oral defense proceeded without incident.

It is with that same attention to detail that Dr. Lewis Smith, along with D.O. Øvstedal, approach their volume on Lichens of Antarctica and South Georgia – A Guide to their Identification and Ecology. Although a book likely to have great appeal to only a narrow audience, it nevertheless fills an informational niche that has, essentially, remained empty ever since lichenological studies in Antarctica began in earnest over 50 years ago. Until now, the only treatments of Antarctic lichens were C.W. Dodge’s Lichen Flora of the Antarctic Continent and Adjacent Islands (1973), D.C. Lindsay’s 1974 work on the Macrolichens of South Georgia and J.F. Redón’s manual Liquenes Antarticos (1985). However, Dodge’s work has largely been discredited for inaccurate and perhaps rather sloppy taxonomy while Lindsay’s work is limited to the lichens of South Georgia and exists only as a relatively inaccessible British Antarctic Survey “Scientific Report.” Redón’s work (available in Spanish only) is also rather limited in scope with collections from a very limited area, with a nomenclature described by the authors of the present book as “inadequate.” Lichens of Antarctica and South Georgia is therefore the first comprehensive and reliable treatment of the subject.

Antarctica is an unfamiliar and mysterious place to most people – unfortunate, when you consider that it is as large as the United States and half of Canada, sequesters 70% of the world’s fresh water, and has an on world climate. Furthermore, it is far more complex a biogeographical region than what most people might imagine, which probably amounts to images of barren snowscapes (if I had a nickel for every time someone said to me “I didn’t know anything grew down there…”!). Helpfully, the short introductory chapters of the book include a concise and comprehensive summary of the three major climatic and biogeographical zones within the Antarctic region, along with accompanying maps and tables.

Most of the book, however, addresses identification and taxonomy, with keys to the genera and keys to species within genera. The authors have taken care to secure herbarium specimens from all major Antarctic collections around the world, although a great majority of the specimens examined are from the British Antarctic Survey herbarium (international code: AAS) where Dr. Lewis Smith has spent most of his career. A total of 427 taxa are described (41 of which remain unidentified), of which 380 occur in the Antarctic biome. This includes 264 taxa occurring in the maritime Antarctic zone and 88 occurring in the harsher continental Antarctic zone. Each species description also includes a brief account of habitat and ecology, worldwide distribution, specimens examined, and other relevant comments. There are 49 black and white photographs accompanying the descriptions, along with a separate section of 104 color plates with additional close-ups as well as a number of photographs useful for showing overall habitat. (These color shots are certainly adequate,


Please check the list, send me an Email at YZIOZ@TTACS.TTU.EDU and I will try to accommodate your request as soon as possible. Please keep in mind that books are listed even though they may not have been received from the publisher as of yet.

John Zak, BOOK REVIEW EDITOR

REVIEW

MYCOLOGICAL NEWS concl’d
but hard to be objective about following the publication of Brodo’s *Lichens of North America*!). The book is thoroughly referenced and includes an eight page glossary at the end. Lichens, of course, are perhaps the only macroscopic organisms able to tolerate the most extreme environments on earth. For example, at the southernmost extreme of exposed land on earth (at approximately 87° South), the terrestrial environment comes as close as possible to being sterile. However, two species of lichen, growing in a single habitat, have been found at this southernmost extreme even while microbiological investigations of the surrounding mineral soil, aside from infrequent bacteria and algae, was shown to be practically devoid of life. The book would therefore not have been complete without addressing the unique ecology of these organisms. This was duly addressed with the inclusion of relevant information about their southernmost distribution (including a table listing lichens found south of 80° S) as well as a table listing occurrence of species at high (greater than 2000m) altitude.

The book is peppered with various anecdotal stories of interest. This includes a brief history of lichenology in Antarctica – a subject the details of which I’d have thought would’ve been lost to obscurity in the early mad dash for fame and territorial conquest (for those interested, the first record of a lichen from the Antarctic region was by Torrey in 1823 - a specimen of *Usnea aurantiaco-atra* (reported as *Usnea fasciata*) collected by Captain Napier of the US Sealing Expedition of 1821-21 in the South Shetland Islands).

The authors regard their work simply as a “new starting point” for lichenological study in Antarctica, and expect the number of taxa to increase substantially as new areas are visited by lichenologists (speculating that as many as 100 new names might someday be added to the current list). However, I am sure they are simply being polite: being somewhat familiar with the rather meager community of mycologists and lichenologists working in this isolated biome, my guess is that this book is likely to remain, for the foreseeable future, as complete a description of Antarctic lichen flora as we are ever likely to see.

-- Rick Weinstein
Dept. of Botany
University of Tennessee
Knoxville, TN 37919
rweinst@utk.edu

## Books and Publications Received April Through June 2002


## Previously Listed Books From October 2001


- **Bio-Exploitation of Filamentous Fungi.** 2000. SB Pointing and KD Hyde (eds.), Fungal Diversity Press, The center for Research in Fungal Diversity, Department of Ecology & Biodiversity, Kadoorie Biological Sciences Building, The University of Hong Kong, Pokfulam Road, Hong Kong SAR, China, kdhyde@hkucc.hku.hk. Price: $100 US. + $16 for air mail. Requested from publisher.


THE MYCOLOGIST’S BOOKSHELF con’t

- Check List of Hong Kong Fungi. 2000. BS Lu, KD Hyde, WH Ho, JE Taylor, KM Tsui, MKM Wong, Y Zhou and DQ Zhou (eds.), Fungal Diversity Press, The center for Research in Fungal Diversity, Department of Ecology & Biodiversity, Kadoorie Biological Sciences Building, The University of Hong Kong, Pokfulam Road, Hong Kong SAR, China, kdhyde@hkuec.hku.hk. 376 pp. Price: $20 US. + $8 for air mail. Requested from publisher.


Hong Kong, Pokfulam Road, Hong Kong SAR, China. kdhyde@hkuc.hku.hk. Price: $100 US. + $16 for air mail. Requested from publisher.


Marine Mycology – A Practical Approach. 2000. KD Hyde and SP Pointing (eds.). Fungal Diversity Press, The center for Research in Fungal Diversity, Department of Ecology & Biodiversity, Kadoorie Biological Sciences Building, The University of Hong Kong, Pokfulam Road, Hong Kong SAR, China, kdhyde@hkuc.hku.hk. 376 pp. Price: $100 US. + $16 for air mail. Requested from publisher.


THE MYCOLOGIST’S BOOKSHELF concl’d


- Synopsis of Fossil Fungal Spores, Mycelia and Fructification. 2000. RM Katgutkar and J Jansonius. Order from: Vaughn M Bryant, Jr., Secretary AASP Foundation, c/o Palynology Laboratory, Texas A&M University, College Station, TX 77843-4352, vbryant@geo.tamu.edu. 423pp. Price: $33 US. Reviewed in Inoculum 52 (3):74-75.


MYCOLOGICAL CLASSIFIEDS

Mold Testing and Identification Services
Identification and contamination control for Indoor air quality, Food technology, Insectaries, Spawn technology, Plant diseases. ASTM & Mil-Spec fungal resistance materials testing for aerospace, controlled environments and environmental engineering. 10% discount for regular and sustaining MSA members. Email: <microbe@pioneer.net> or <mailto: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

A Strain of Mucor mucosa Needed
We are looking for information on a strain of Mucor mucosa which was studied by Professor Gosio in Rome around 1900. This is in reference to production of trimethylarsine (Gosio’s guess) by the fungus. Would anyone have a culture of this ancient strain? Any advice would be much appreciated. Please contact Elena Polishchuk at <elena@chem.ubc.ca>.

-- Elena Polishchuk
Chemistry Department
University of British Columbia
2036 Main Mall
Vancouver, B.C., V6T 1Z1, Canada
Phone: 604-822-4768
Fax: 604-822-2847
Email: elena@chem.ubc.ca

Fungal Biodiversity Post-Doctoral Position
University of Stellenbosch, South Africa

A post-doctoral position is available in the mycology laboratory of the Department of Plant Pathology, University of Stellenbosch, South Africa, for a motivated candidate who is interested in the systematics and biodiversity of the fungi in the Cape Floral Kingdom of the Western Cape. The Cape Floral Kingdom (locally known as fynbos) represents the smallest, most diverse, and most threatened plant biome in the world, but hardly anything is known of its fungal flora. The mycology laboratory is a dynamic research group with a well-equipped molecular laboratory. The team

OF RELATED INTEREST....


- Editors Note: Dr. Robert Lichtwardt has informed me that: The Revised Edition of the Trichomycetes: Fungal Associates of Arthropods is available to anyone at the following website: www.nhm.ukans.edu/~fungi. Review in progress.
is involved in research aimed at identifying the fungal biodiversity of the fynbos, and also comparing this diversity to that of other countries where these plants occur. A Ph.D. in mycology would be preferred, with experience in taxonomy (identification/classification) of a diverse range of ascomycetes and their anamorphs (coelomycetes/hyphomycetes) and knowledge of the relevant literature, single spore isolation, collection in the field, experimental design and data analysis using appropriate software packages. The position is available from October 2002 for an initial period of two years.

Applications should include a full curriculum vitae and three letters of reference (with contact email addresses) to reach me no later than end of July 2002. Please send applications to Professor Pedro W. Crous, Department of Plant Pathology, University of Stellenbosch, P. Bag X 1, Matieland 7602, South Africa.

Assistant/Associate Professor
Plant Pathology
University of Alberta

The Department of Agricultural, Food and Nutritional Science (AFNS) at the University of Alberta invites applications for a tenure-track Assistant Professor position in field crop pathology. The successful candidate will contribute to the Department’s mission “to achieve excellence in teaching and research in efficient and sustainable production, value-added processing, food safety and human nutrition to improve the health and quality of life”. The candidate will have the opportunity to interact with a dynamic group of Professors in one of Canada’s leading research Universities.

The appointee will develop an innovative state-of-the-art basic and applied research program in environmentally-friendly integrated management of important and emerging fungal diseases of field crops, teach/advise undergraduate and graduate students, develop and maintain an externally funded research program, and work closely with plant breeders. Familiarity with both modern molecular technologies and traditional methods is required. The appointee must demonstrate desire and ability to deliver a creative, cutting-edge program through individual and collaborative initiatives. Applicants must have a Ph.D. in Plant Pathology or a related discipline, a demonstrated ability to conduct and publish research on the fungal diseases of field crops, and effective written, oral, teaching, and interpersonal communication skills.

The successful applicant is expected to develop collaborative research programs with scientists at the University of Alberta (www.ualberta.ca), Alberta Agriculture, Food and Rural Development (www.agric.gov.ab.ca), Agriculture and Agri-Food Canada (www.agr.ca), and with industry. The University of Alberta has excellent on-campus research facilities and equipment, including a Molecular Biology and Biotechnology Centre, numerous specialized analytical laboratories, modern greenhouses and controlled-environment facilities, and excellent facilities for field research. The Department of AFNS is also currently undertaking a major infrastructure-upgrading program with the support of industry and government.

Applications, including a statement of research and teaching interests, curriculum vitae, and the name of three referees should be sent to Dr. John Kennelly, Chair, Department of Agricultural, Food and Nutritional Science, University of Alberta, Edmonton, Alberta, Canada T6G 2P5. Closing date for applications is September 30, 2002 or until a suitable candidate is found. For further information on this position contact Dr. Kennelly at 780-492-2131; 780-492-4265 (Fax); email: chair@afns.ualberta.ca or visit our web site at <www.afns.ualberta.ca>.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. If suitable Canadian citizens and permanent residents cannot be found, other individuals will be considered. The University of Alberta hires on the basis of merit. We are committed to the principle of equity in employment. We welcome diversity and encourage applications from all qualified women and men, including persons with disabilities, members of visible minorities, and aboriginal persons.

The records arising from these competitions will be managed in accordance with the provisions of the Alberta Freedom of Information and Protection of Privacy Act (FOIPP).
2002 (July 27 – August 1). International Union of Microbiology Societies (IUM). 
Paris, FRANCE 

2002 (August 4-9). 4th International Congress on Systematics & Ecology of Myxomycetes 
DETAILS: Inoculum 53(1):15 
Brussels, BELGIUM 
J. Rammeloo, PhD 
Director, National Botanic Garden of Belgium 
President of the ICSEM-4 Congress 
Secretariat, Domein van Bouchout 
B-1860 Meise, Belgium 
Rammeloo@br.fgov.be 

2002 (August 11-17). 7th International Mycological Congress (IMC VII) 
Oslo, NORWAY 
Leif Ryvarden, Botany Dept 
Biological Institute 
Box 1045 
Blindern, N-0316 Norway 
47.22854623 FAX 47.22856717 
leif.ryvarden@bio.uio.no 
http://www.uio.no/conferences/imc7/ 

Diamond Lake, OREGON 
Judy Rogers 
namyco.org 
Phyllis Cole 
yamacole@cruzio.com 

2002 (November 4-8). 3rd Asia-Pacific International Mycological Conference on Biodiversity and Biotechnology 
Kunming, Yunnan, CHINA 
Dr. Dequn Zhou, Secretary 
Southwest Forestry College 
Kunming, Yunnan, China 650224 
Phone: ++86-871-3862737 
zhoudq@public.km.yn.cn 

Havana, CUBA 
Carlos Borrot, President 
mailto:bioagro@cigb.edu.cu 
http://bioagro.cigb.edu.cu 
Phones: 53-7-218008, 53-7-218466 

2002 (December 1-5). VIII International Fungal Biology Conference. 
Guanajuato, GTO, MEXICO 
Jesus Aguirre and Jose Ruiz-Herrera 
VIII IFBC 
Centro de Investigacion y de Estudios Avanzados del IPN 
Unidad Irapuato 
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ifa@ira.cinvestav.mx 
www.ira.cinvestav.mx/cr-even/fungal.htm 

DETAILS: Inoculum 52(2): 16 
Sydney, AUSTRALIA 
Brett Summerell 
Royal Botanic Gardens 
Mrs Macquaries Rd. 
Sydney, New South Wales, 2000, Australia 
+61 2 9231 8189 FAX +61 2 9241 1135 
Brett.Summerell@rbgsyd.nsw.gov.au 

Pacific Grove, CALIFORNIA 

Montréal, QUÉBEC 
Yolande Dalpé 
ECORC / AAC 
Ottawa K1A OC6 Canada 
613-759-1381 (phone) 
dalpey@em.agr.ca 
http://www.congresbcu.com/icom4 

DETAILS: Inoculum 53(3):61 
Halifax, NOVA SCOTIA 
David Richardson 
902-420-5493 (phone) 
david.Richardson@stmarys.ca 
http://people.bu.edu/dzook/ 

Asheville, NORTH CAROLINA 

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MYCOLOGY ON-LINE 

Systematics of the Saprolegniaceae is On-Line 
http://www.ilumina-dlib.org 

Terry W. Johnson, Jr., Roland L. Seymour, and David E. Padgett are pleased to announce the on-line publication of their Treatise entitled Biology and Systematics of the Saprolegniaceae. This work includes a critical interpretation of world literature (in all languages) dealing with all aspects of watermold morphology, physiology, and ecology (30 Chapters) as well as a comprehensive revision of the systematics (with keys and extensive illustrations) for all genera and species (20 Chapters). In excess of 2800 reference are cited. This Treatise is made available (on or before 1 August 2002) to the scientific community at no cost and can be accessed on-line using the URL http://www.ilumina-dlib.org. Select “advanced search” (bottom of first screen). In the advanced search screen enter the contributor name “Padgett” in the “search for” window, check “Book” in the “Learning Resource Type” section, then click on “submit” at the bottom of the same screen. 

-- David E. Padgett, PhD
The Australasian Mycological Society Website for Introductory Fungal Biology

The Australasian Mycological Society has a Website for Introductory Fungal Biology. The resource materials on this website can be accessed in several ways.

COURSES: go to specific units available in the School of Biological Sciences and develop answers to questions for that curriculum.

CONTENTS: browse through the information by selecting a topic in contents and use the hyperlinks to the GLOSSARY for definitions and further information. This second approach is much like reading a book, with illustrations.

SEARCH: use the search facility to seek specific information. At present, the amount of information available is limited, and you may like to seek further information by reading some of the suggested references. These references are only available in good research libraries such as at The University of Sydney.

Whatever else, enjoy yourself, develop an approach that suits your style of learning and join with us in understanding these amazing, economically important and wonderful organisms. [Peter McGee, Chair, Educational Working Party, Australasian Mycological Society]

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)**

- **ASOCIACION LATINOAMERICANA DE MICOLOGIA (51-5)**
  - http://www.ecologia.edu.mx/alm/

- **AUSTRALASIAN MYCOLOGICAL SOCIETY WEBSITE FOR INTRODUCTORY FUNGAL BIOLOGY (53-4)**

- **BIBLIOGRAPHY OF SYSTEMATIC MYCOLOGY (51-6)**

- **EUROPEAN POWDERY MILDews (52-2)**
  - http://nt.ars-grin.gov

- **GOOGLE: NIFTIEST GENERAL SEARCH ENGINE (51-6)**
  - WWW.GOOGLE.COM

- **HADRIANUS JUNIUS STINKHORNS (52-2)**
  - http://www.collectivesource.com/hadrianus

- **ING (INDEX NUMINUM GENERICORUM) DATABASE (52-5)**
  - http://rathbun.si.edu/botany/ing/ingForm.cfm

- **IMC7 (51-3)**

- **INTERACTIVE CATALOGUE OF AUSTRALIAN FUNGI (52-1)**

- **INTERACTIVE KEY, DESCRIPTIONS & ILLUSTRATIONS FOR HYPOMYES (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/fungal databases/southafrica
  - or http://www.saspp.co.za/

- **SYSTEMATICS OF THE SAPROLEGNIACEAE (53-4)**
  - http://www.ilumina-dlib.org

- **WEB MSA (51-6)**
  - http://msafungi.org
The Newsletter of the Mycological Society of America

Supplement to Mycologia
Volume 53, No. 4
August 2002

Inoculum is published six times a year and mailed with Mycologia, the Society’s journal. Submit copy to the Editor as email (in the body, MS Word or WordPerfect attachment in 10pt Tms Rmn font), on disk (MS-Word 6.0, WordPerfect, *.tif, *.jpg), or hard copy. Line drawings and sharp glossy photos are welcome. The Editor reserves the right to edit copy submitted in accordance with the policies of Inoculum and the Council of the Mycological Society of America.

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

MSA Officers
President: Timothy J. Baroni
PO Box 2000, Dept. Biological Sciences
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Cortland, NY USA 13045
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Secretary: Lorelei L. Norvell
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