Need Information? GOPHER IT!

MSA Bulletin Board
and Other Online Resources

As the members of the Mycological Society of America become increasingly computer literate and venture out into the bewildering array of services and fun available from the various global computer networks, it is worthwhile to highlight several items of interest and utility to the mycological community. All of the items discussed here are accessible by the use of ‘Gopher’ software, which was developed at the University of Minnesota to allow extremely easy access to a truly unlimited variety of information being stored on server computers all over the world. Versions of Gopher software are available for many different computer platforms, and most of them are available free of charge; consult your local computer services people for information about how to obtain Gopher software, software for access to other online services, and for help about how to get started using this software.

The most newsworthy Gopher-based services for the MSA is the debut of an MSA Bulletin Board that has been discussed with varying degrees of seriousness for the last couple of years. This bulletin board has been mounted on the Biodiversity Information Resources Gopher at Harvard University and was set up by Don Pfister and Jean Cargill at the Farlow Herbarium. In addition to the information on the MSA bulletin board, this issue of Inoculum includes information about several other services that could be useful to mycologists, especially to those interested in questions of molecular genetics, evolutionary biology, biodiversity, germplasm preservation, and ecology, but these same services can allow you to use your phone line to read about or to download publicly accessible software programs (ranging from the serious and sublime to the ridiculous and entertaining) to news services, phone directories and library catalogs for institutions all over the world, and a limitless array of other useful to arcane bits of information. Once you are logged into one Gopher service, you will undoubtedly see menu items that can lead you on to a bewildering variety of Gophers mounted on other servers around the world. It is worth your while to play around for a while in these menus just to see the sorts of information services that are out there, just a phone connection away from you.

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GO FOR IT! (from p. 1)

The best way to gopher is to use personal gopher client software such as TurboGopher for the Mac or PC Gopher for DOS machines. Gopher clients for many systems are available from the University of Minnesota (ftp to boombox.micro.umn.edu). Public gopher clients like the ones listed below provide an easy way for beginners to find out what gopher can do, but are not good alternatives to having a gopher client of your own. Whereas a personal client makes only brief connections to the host computer, telnet sessions to public clients require a constant connection. Many end-users never see the costs associated with connection time, but some do, and rest assured that someone somewhere is paying for your session. Personal clients also present a more user-friendly interface, allowing customization, and enable more users to connect to a resource at the same time. With a gopher client you will be able to browse electronic resources and retrieve files and applications that pique your interest.

To learn how surfing the Internet can gain you access to biological resources, check out Dr. Una Smith's A Biologist's Guide to Internet Resources. The guide is available by anonymous FTP to 'rtfm.mit.edu' or by sending e-mail to 'mail-server@rtfm.mit.edu' with the text 'send usenet/news.answers/biology/guide/*'. You will receive 6 files in response, one for each part; save each part separately, delete the e-mail headers, and merge them into a single volume.

Rich Humber
Kathie Hodge

MSA Bulletin Board on Trial

At the MSA meetings in Georgia, the Council decided that it would be useful to have an electronic bulletin board for the Society. Don Pfister offered to develop the idea and a committee was appointed by President Ron Petersen. We are happy to announce that there is now an MSA Bulletin Board. The purpose of this brief note is to provide information on access to the MSA Bulletin Board and to encourage its use. It is currently being managed by Don and the MSA members at Harvard.

To read messages on the MSA Bulletin Board you need to have access to the Internet. If you are at an institution with a Gopher server, your access to the Bulletin Board is easy. If you do not have access to the Internet, you will not have Gopher access. For Internet access, you need to contact your institutional computer support facility.

If you do not have direct access to a Gopher server at your institution, you can use the Internet to telnet a public Gopher server. Some addresses for public Gophers are listed below (the login is generally 'gopher'):

- University of Minnesota
  Telnet to: consultant.micro.umn.edu or 134.84.132.4
- University of California-Santa Cruz/InfoSlug
  Telnet to: scilibx.ucsc.edu or 128.114.143.4
- University of Illinois, Urbana-Champaign
  Telnet to: gopher.uiuc.edu or 128.174.33.160
- O'Reilly and Associates
  Telnet to: gopher.ora.com or 140.186.66.1
- University of Iowa/PANDA
  Telnet to: panda.uiowa.edu or 128.255.40.201 [login as:panda]

Once in a Gopher you will be presented with menus listing Gophers and information servers and a search protocol, called VERONICA. Find the Biodiversity and Biological Collections Gopher ('huh.harvard.edu'), then select Biodiversity Information Resources. On that menu you will find the Mycological Society of America Bulletin Board. As of this writing, there are several general notices, some job listings, an e-mail directory for MSA members, and more.

To send messages for inclusion in the bulletin board: Messages should be sent via e-mail if at all possible. These will be edited only slightly, so be sure you submit notices in a form in which you want to see them. Each notice should be sent separately. Send the messages to MSA-NEWS@HUH.HARVARD.EDU. Remember that your bulletin board managers are not computer specialists. We are trying to keep things simple.

We must emphasize that this is a new endeavor and that the quality and form of the bulletin board will change over time. We will be posting new listings once each week, probably on Monday. We will be happy to hear how access to the system is working. There is much to know about the Gopher system. I have found an article by Greg Notess in Online, pp. 100-102, May 1993, to be very useful. The reference librarian may be able to help you find the article or similar reading materials.

Donald Pfister

Request for Lists of Fungi Found on the 1993 MSA Foray

The Foray Committee is charged with publishing lists of fungi collected during the annual foray, and the time for the report on this year's foray is at hand: Please send lists of species collected and identified from the 1993 Foray, as well as pertinent collection information (host or substrate, location, etc.) to Dr. J. E. Adaskaveg, Dept. of Plant Pathology, Univ. of California, Davis, CA 95616. The deadline for receipt of collection lists is 30 November 1993.
Other Gophers and Online Services of Mycological Interest

The following newsgroups and Gophers are a sampling of the sorts of resources available online. This is no comprehensive list of services of interest to mycologists so much as a teaser to get you to take a look for yourself.

- The Biodiversity and Biological Collections Gopher mentioned above provides access to various types of systematics, biodiversity and biological collections information. The Gopher can be accessed through any Gopher client program for DOS, OS/2, Macintosh, VMS, or Unix computers. Access is unrestricted and available to any use on an Internet-connected computer. This Gopher includes many TAXA-COM files, such as the botanical electronic journal Flora Online, reports from various organizations, and other items. An important feature of this Gopher is access to the Gray Herbarium Index of New World Plants. You can look up any name from the Gray Index by genus and species, but you can also ask questions that can only be handled by the electronic search, such as what species were described by a certain author.

- A USENET newsgroup for discussion of issues related to mycology has been established and is being moderated by Tom Adams and Leland Ellis at Texas A&M and Greg May at Baylor College of Medicine. To gain access to bionet.mycology, you will need to find out whether your site has a USENET feed. If it does, obtain newsreader software such as Nuntius for Mac or Trumpet for DOS computers. Those without access to USENET can still participate by obtaining an e-mail subscription by sending e-mail to bio-sci@net.bio.net. Other BIOSCI/bionet groups that may be of interest to mycologists include: bionet.plants; bionet.molbio.yeast; bionet.molbio.evolution; bionet.general; bionet.molbio.methods-reactgs; sci.bio.ecology; and sci.bio. More information on USENET and BIOSCI/bionet groups may be obtained by anonymous ftp to net.bio.net.

- Those interested in molecular genetic aspects of mycology will find the following gophers useful:
  - Fungal Genetics gopher at U Texas, Houston
    utmmg20.med.uth.tmc.edu (port 70)
  - Yeast Genome Info at Stanford
    genome.stanford.edu (port 70)
  - IUBio at Indiana University (loads of good software for genetics; phylogenetics; etc.)
    ftp.bio.indiana.edu (port 70)
  - Genome Data Base gopher at Johns Hopkins University (directories of biologists, Genbank searches, software, grant information, and other good stuff)
    gopher.gdb.org (port 70)
  - Sunsite gopher at UNC (many good documents to help beginners on the Internet get started)
    sunsite.unc.edu (port 70)
  - History of Science and Medicine gopher at Johns Hopkins (e.g., text of Darwin's Origin of Species)
    gopher.hs.jhu.edu (port 70)
  - Microbial Germplasm Database (MGD; maintained by Oregon State University): Microbial cultures in research-oriented laboratories in universities and experiment stations represent a vast undocumented germplasm resource. Fungi, bacteria, viruses, and genetic constructs in many small (and otherwise undocumented) "working" collections can be located through MGD by working though the menus to descriptions of individual holdings. Because MGD serves as a directory of expertise as well as germplasm, collections providing only general information as well as those submitting strain-by-strain data are included. Some 400,000 strains have been documented by scientists participating in MGD; more than 40,000 have been uploaded to the MGD Gopher. The cultures documented here are used mainly in botanical, biochemical, genetic, or agricultural research. The easiest way to get to the MGD Gopher is through the menus of any other biological Gopher. For direct access, gopher to 'bcc.orst.edu'; at the login prompt, type "mgd" <ENTER>; at the password prompt, merely hit <ENTER>.
  - The World Data Center for Microbiology (WDC; RIKEN, Japan; accessible from inside Gopher by typing 'fragrans.riken.go.jp (port 70)') provides microbial culture collections as a central registry and information clearinghouse in a manner analogous to that of the International Society for Plant Taxonomists' Index Herbariorum. Hundreds of culture collections worldwide are listed with the WDC, and basic information on these collections, their addresses, nature of their accessions, and collection policies are available through this searchable Gopher.
  - American Type Culture Collection (ATCC) catalogs are available online via Gopher. The ATCC catalog data can be obtained by gophering to merlot.welch.jhu.edu [to access the ATCC catalogs stored at the Johns Hopkins University Gopher server] or through ATCC's Gopher server [gopher to: 'atcc.nih.gov']. Requests for help or other messages can be sent via 'gopher@atcc.nih.gov'.
MYCOLOGISTS ONLINE:
A World E-MAIL Directory of Mycologists

Mycologists Online is a world E-mail directory of mycologists (or researchers studying fungi), herbaria and collections, and mycological periodicals. Recent list which is under construction, has more than 300 entries and includes also E-mail addresses of MSA members collected and updated by Rich Humber.

Please help to update the directory and send your E-mail and mailing address (LAST NAME, First name, Middle name initial, e-mail address, full mailing address) to one of the editors: Pavel LIZON <PL18@cornell.edu> [Plant Pathology Herbarium, Cornell University, 401 Plant Science Bldg., Ithaca, NY 14853-4203, USA] or to Erast PARMASTO <erast@iozb.tartu.ee> [Institute of Zoology and Botany, Estonian Academy of Sciences, 21 Vanemuine St., EE-2400, Estonia].

Until the directory is posted in the Harvard University Biology and Biological Collections Gopher it is available by request from Pavel Lizon.

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Building scientific bridges

Nanofabrication and Biosystems: Frontiers and Challenges

An international conference exploring contemporary and emerging approaches of nano- and microfabrication as they apply to biology and engineering will be held in Kona, Hawaii, 8-12 May 1994. Biologists will learn how microfabricated tools and devices can be used to explore problems in molecular, cell, chemical, and medical biology. Materials scientists and engineers will likewise learn how biological systems can be used in nanofabrication. Symposia and poster sessions will be presented. A number of stipends that cover a substantial portion of the travel and living costs are available for qualified graduate students. A deadline for receipt of application is 20 December 1993. The conference is coordinated through the Engineering Foundation and is supported in part by the EF, NSF, and NIH. For further information and application forms contact: Engineering Foundation Conferences 345 E. 47th Street New York, NY 10017 Telephone: 212-705-7835; FAX: 212-705-7441.

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New Fluorescent histology stain for fungal cell walls.

Fungalase-F is a highly specific fungal probe based on proprietary, recombinant, procaryotic chitin-binding proteins which stain chitinous fungal cell walls and yeast bud scars. Fungalase-F has been tested on species of histoplasma, cryptococcus, aspergillus, blastomyces, candida and stains all cell walls of these fungi. Pneumocystus did not stain. Fungalase-F does not stain murein, glycosaminoglycans, cellulose or any other known polymer except chitin.

Fungalase-F is extremely useful for localizing and quantifying hyphal mass in thin sections of infected plant and animal tissues, or in fixed smears, and as a probe to establish whether the target fungi have chitin in their cell walls.

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Suite 106, Building C
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South Stadium Drive
Baton Rouge, Louisiana 70803 USA
Change in Instructions to Authors for New Mycologia Format

With the January-February 1994 issue, *Mycologia* will be printed on an 8 1/2 x 11 inch page, and some format changes will also be instituted. The following directions replace those in *Mycologia* 85: 143-147.

**Illustrations.** — Figures must be designed to fit a maximum of 8.2 cm or 3.25 inches (one column) or 17.1 cm or 6.75 inches (two columns) width by 23.4 cm or 9.25 inches height, after reduction. Figures should be less than the maximum height to permit insertion of the figure legend beneath except in unusual circumstances.

**Brief articles.** — Include a short (approx. 100 word maximum) abstract following the authors names and addresses. Insert Key Words after the abstract.

Funding for Joint US-Mexican Research Efforts

A U.S.-Mexico Foundation for Science is being established, with Guillermo Soberon, Science Advisor to Mexican President Carlos Salinas de Gortari, as the first Chairman of the governing board. Treasurer of the Foundation is Beryl Simpson, botanist at the University of Texas and active in the Association for Systematics Collection, AIBS, and the Systematics Agenda 200 Steering Committee. The foundation will make grants to scientists from the U.S. and Mexico for collaborative projects. Grants are limited to $50,000 for two years. Funding of $2M is available from the Mexican government, and is being matched by funds passed through the budget of the US-AID.

Fungi and Financial History

Did you know that the credit union movement is the direct result of *Phytophthora infestans*. According to the president of the University Federal Credit Union (Austin, Texas) in the autumn 1992 newsletter to its members, Friederich Wilhelm Raiffeisen, mayor of a small village in central Germany, started it all. His villagers pooled their meager resources and were able to get a new start after the devastation of the blight attack. They avoided usurious loan rates and recovered so well that the model spread. A French Canadian journalist, Alphonse Desjardins (any relation to Dennis?) set up the first "Raiffeisen Society" in North America in Levis, Quebec, near the turn of the century. The idea was soon picked up by Edward A. Filene, Boston merchant, best known for his bargain basement.

Susan Meyer, Mycological Nematologist, Named ARS' 1993 Outstanding "Early Career" Scientist

Plant pathologist Susan L. Fricke Meyer was named as the US Department of Agriculture, Agricultural Research Service's "Outstanding Early Career Scientist of the Year" for 1993.

Meyer identified promising fungal alternatives to conventional pesticides used against nematode pests of soybeans (causing $250M damage in 1991) and other crop plants. She has worked in ARS' Nematology laboratory at the Agricultural Research Center in Beltsville, MD, since joining ARS in 1986.

"Dr. Meyer is the first person to develop mutant strains of fungi that are more active than wild strains in destroying eggs of the soybean cyst nematode. Every year, this pest causes multimillion-dollar yield losses to the U.S. soybean crop in about two dozen states," said R. Dean Plowman, Acting Assistant Secretary for Science & Education. "Dr. Meyer has been with the agency only six years, but her innovative research is already on the way to being commercialized as a new, nature-based alternative to conventional pesticides against nematodes," he added.

Meyer received a plaque, cash award, and additional funds to support her research. The honor is given to an ARS scientist whose research potentially can have a major impact on science and technology, but who has been with the agency less than 7 years and received the highest academic degree within the last 10 years.

Meyer and colleagues have applied for patents on technology that significantly reduced the number of nematodes in the soil. This technology uses pellets, placed in the soil near the seed, that release the mutant fungus or the fungus along with versions of the female nematode's sex attractant pheromone. The pheromone compounds confuse male nematodes so most can't find females from mating. If they do mate, the fungus, *Verticillium lecanii*, destroys many of the eggs. In field tests in 1992, soybean yields were 22% higher from plants protected by both the fungus and the pheromone than from unprotected plants.

Plowman said that Crop Genetics International of Columbia, MD, has been licensed to commercialize the technology after large-scale field tests are conducted in the next few years. Meyer conducted small outdoor tests in 1992 and 1993 under a cooperative research and development agreement with the firm.
A Curatorial Problem With Certain Amanitas

by Rod Tulloss

In the last year, I have found that most (possibly all) taxa in Amanita subsection Vittadiniae Bas are highly hygroscopic. Most collections I have reviewed from most herbaria have mold on them. Unfortunately this includes important type material. Subsection Vittadiniae is a fascinating group of amanitas, not the least because of its wide distribution and the fact that only one of its known members is possibly mycorrhizal.

Because the trend in Amanita taxonomy is toward the use of more and more anatomical detail, I wish to call attention to this curatorial problem in hopes that the degradation of these collections can be halted and that other collections now in good condition can be kept that way.

My herbarium area is quite dry in the winter and summer, and so I usually have no problem with mold (personal herbarium originated about 1975) although some dehydration of specimens is notable on very humid days in spring and autumn. However, while other collections are dry as a bone, taxa like Amanita salmoniae Thiers may have lamellae nearly completely rehydrated! It may be that the only way to deal with this is somewhat costly of curatorial time. I would be very glad to hear suggestions that would not be time consuming. I am now segregating all my collections in this group and storing them with packets of Drierite which has to be checked on a regular schedule. All these collections are grouped in transparent containers so that the Drierite packet in the outer container can easily be checked for color without being opened. The containers are stored with the Drierite packet facing the front of a cabinet shelf so that the Drierite color can be checked simply by opening the cabinet door.

It is probably wise to place a packet of Drierite in with every collection of subsection Vittadiniae that is sent on loan. (I now add such a packet when a collection of this subsection is received on loan.) An annotation concerning the importance of maintaining the dryness of the material should be placed in the herbarium packet of each collection and a short, standard letter should be sent with the loan.

I have heard that painting the moldy surfaces with ethanol using a fine brush is helpful in containing the spread of mold. I would welcome advice on this point. I have not tried the technique for fear that spores of specimens would be mixed or that possibly viable mold could be transferred from one specimen to another. Again, advice and suggestions would be welcome.

In addition to offering this note to Inoculum, I will also add a small section on curatorial concerns to the monograph that I am preparing on members of the subsection in Canada, Mexico, the U.S., and Caribbean island nations.

To facilitate the reader's evaluation of collections in his/her institution or private herbarium, I append a list of the taxa currently assigned to Amanita subsection Vittadiniae.

Amanita alba Thiers
A. albofloccosa Sathe & Deshpande
A. ameghinoi (Speg.) Sing.
A. amillaniformis Trueblood & Jenkins apud Miller et al.
A. aureofloccosa Bas
A. boliviana Bas nom. prov.
A. bupalina Bas
A. codaeae (R. Maire) Sing.
A. flavofloccosa Masagawa & Hongo
A. foetens Sing. var. foetens
A. foetens var. grassii Raithelhuber
A. foetidissima D. Reid & Eicker
A. hesleri Bas
A. inegrata Pegler
A. inopinata D. Reid & Bas apud D. Reid
A. liloi Sing. & Diggio
A. malheurensis Trueblood et al. apud Miller et al.
A. manicata (B. & Br.) Pegler
A. nana Sing.
A. nauseosa (Wakefield) Reid
A. peropus (Kalchbr. & MacOwan) D. Reid apud D. Reid & Eicker
A. praeclara (Pearson) Bas
A. praegraveolens (Murr.) Sing.
A. prairicola Peck
A. pratica Sacc.
A. roseoescens (Pearson & Stephens) Bas
A. salmoniae Thiers
A. silvifuga Bas
A. singeri Bas
A. thiersii Bas
A. veldiei D. Reid & Eicker
A. vitadinii (Moretti) Vitt.
A. manicata (Murr.) Murr.
A. manicina (B. & Br.) Pegler
A. nana Sing.
A. nauseosa (Wakefield) Reid
A. peropus (Kalchbr. & MacOwan) D. Reid apud D. Reid & Eicker
A. praegraveolens (Murr.) Sing.
A. prairicola Peck
A. pratica Sacc.
A. roseoescens (Pearson & Stephens) Bas
A. salmoniae Thiers
A. silvifuga Bas
A. singeri Bas
A. thiersii Bas
A. veldiei D. Reid & Eicker
A. vitadinii (Moretti) Vitt.
A. armillaria subcaligata A.H. Smith & P.M. Rea
A. lepiota aurea Beelli

Material may also be sought under combinations of the above epithets with Agaricus, Amanitopsis, Armillaria, Aspidella, Flocularia, Lepidella, Lepiota, and Venenarius.

Back to the Botanical Society of America?

Mycologists Unite: The Future of the “Microbiology” Section

The vote on the continuation of the Microbiology Section was unequivocal; fewer than 5% of the ballots cast were to continue the section unchanged. The other 90+% advocated dissolving the Section or converting it to a section focused on Mycology (and/or related areas). The inactivity continued right through the Iowa State Meeting where the only persons to attend the Section Business Meeting were not Section members (two mycologists and me).

Given this mandate, the BSA Council will likely vote to disband the Microbiology Section. The next step, the formation of a section focused on Mycology, is up to those so interested. Several BSA members, and some mycologists who are not current BSA members have expressed strong interest in establishing a formal section oriented toward Mycology. The Council and I strongly urge you to do so. But, that is an action than only you who are interested BSA members can take. Formation of new sections in the BSA is easy; it requires only an expression of sufficient interest (letters, a petition, etc.) and proposal of Bylaws to the Council (The Microbiology Section Bylaws would require only an updating and substitution of “Mycology” — or whatever — for “Microbiology”).

A Mycology Section could run a vigorous program at BSA (ANBS) meetings by integrating the program of the Mycological Society of America and the Section. This is the way programs are run by the American Fern Society (Pteridology Section), the American Bryological and Lichenological Society (Bryological and Lichenological Section), and the American Society of Plant Taxonomists (Systematics Section).

The BSA Council and I hope that mycology can be reestablished within the BSA as an active field. We stand ready to promote and encourage a proposal for a section and for an active program

Gregory Anderson, Past President, BSA
with permission from BSA Plant Science Bulletin, Autumn 1993
Mycological Society of America
Prizes and Awards for 1993

The 1993 Awards Committee was made up of Robert W. Roberson (Chair), John Cooke, Linda Kohn, and Rodney Roberts. Due to the large number of student presentations being judged at the annual meeting, the chairperson enlisted the help of four additional, ad hoc judges: Karen Klomparens, Frank Dugan, James E. Adaskavag, and Steve Rehner. From this group, two subcommittees were formed. One committee judged posters [John Cooke (Chair), Linda Kohn, Karen Klomperens, and Frank Dugan] while the other judged oral presentations [Robert W. Roberson (Chair), Rodney Roberts, James Adaskavag, and Steve Rehner]. Each subcommittee made their selections independently.

Distinguished Mycologist Awards

This year's awards were presented to active and productive individuals whose contributions to the advancement of mycology will be long lasting.

Dr. Richard K. Benjamin began his undergraduate studies in 1940 at the University of Illinois, Urbana. After three years of military service (1943-1946) where he served from rank of Sergeant to Captain in the south Pacific during World War II, Dr. Benjamin completed his undergraduate work and went on to obtain his Ph.D. in botany at Urbana. After completing his Ph.D., Dr. Benjamin received a National Research Council Fellowship in Botany to study the Thaxter collection of Laboulbeniales at Harvard University where his detailed studies led to new discoveries and contributions to our understanding of these minute parasites. In 1952 Dr. Benjamin accepted the position of Mycologist at the Rancho Santa Ana Botanic Garden in Claremont California where he is now Mycologist Emeritus. It was here where his classic studies on the biology and taxonomy of the Zygomycetes, particularly the merosporangiferous Mucorales, proliferated. His meticulously written and exquisitely illustrated publications have made him known to mycologists throughout the world, who all hold him in the highest regard. In addition Dr. Benjamin has contributed greatly to service in the MSA and has always been recognized as a leader in the Society. He served as Councilor (1956-57), Secretary/Treasurer/Newsletter Editor (1959-62), Vice President (1963), President (1965) and was Editor-in-Chief of Mycologia (1970-75). From one who has long admired his work, "There is no question that Dick Benjamin is a distinguished mycologist. He should be required to receive the award in person so that today's students can get to know him". With great pleasure we recognize Richard K. Benjamin as a Distinguished Mycologist.

Dr. Charles E. Bracker received his Ph.D. in 1964 from the University of California, Davis. From there Dr. Bracker went to Purdue University as an Assistant Professor where he is now Professor of Botany and Plant Pathology. Dr. Bracker is known as one of the true pioneers in applying electron microscopy to the study of fungal cell biology. He continually "pushes back the envelope" setting new standards of excellences and critical thinking. Through his contributions and those of his collaborators and students, we now better understand the fine structure of the fungal septum and hyphal tip, the complexity of the interactions between plants and their fungal pathogens, the intricate associations and functions of cellular membranes, the interrelationship between the organization of the hyphal tip and fungal growth, and processes involved in chitin synthesis. Dr. Bracker also is a founding member of the journal Experimental Mycology and serves on its editorial advisory board. Perhaps the best way to sum up Dr. Bracker's outstanding career is from his contemporaries. "When I think of Charlie as a mycologists, I think ... precise, exactly right, proven beyond any doubt, meticulous, demanding of the best, dependable, and exciting."; "Though he may not approve of the title, Charles Bracker is widely accepted as the 'Father of Fungal Ultrastructure'."; "Dr. Bracker is well known for the thoroughness of the reviews he does for Mycologia and Experimental Mycology ... While one secretly hopes his/her paper doesn't end up in the hands of Bracker for review, any paper that does is sure to be a better one in all respects."; "Dr. Bracker is clearly one of the outstanding mycologists and cell biologists alive today...". We recognize his personal contributions with the honor of Distinguished Mycologist.
The C.J. Alexopoulos Prize

This prize is awarded to outstanding young mycologists with ten years of receiving their Ph.D. It honors not only the recipients but the memory of the late C.J. Alexopoulos.

**Keith Anthony Seifert**, Research Scientist, Centre for Land and Biological Resources Research, obtained his B.Sc. in Biology at the University of Waterloo, his M.Sc. in Botany at the University of British Columbia and his Ph.D. at Rijksuniversity of Utrecht, The Netherlands in 1985. Dr. Seifert specializes in the taxonomy of the Fungi Imperfecti. His major contribution to mycology has been the recognition that the form of the conidioma is not phylogenetically significant. This was in direct opposition of the reigning philosophy that form-families of Fungi Imperfecti are defined in part by the way that the conidiophores are arranged relative to adjacent conidiophores and to the substrate. He is viewed by many as being "among the top 5% of mycologists today" and is a "world authority in the taxonomy of synnematal fungi". Dr. Seifert is also well known as an effective communicator and collaborator, evident by the high quality of publications, his work in co-organizing two international conferences and his involvement in ANANET (the anamorph information network). We recognize the achievements of this young mycologist with the honor of The C.J. Alexopoulos Prize.

**Graduate Fellowships ($1000 Prizes)**

**Francis Lutzoni** (Department of Botany, Duke University; supervisor: Rytas Vilgalys) is studying the origin and evolution of mutualism in the Omphalina/Corticomycota model system (Basidiomycota/Chlorophyta). Thus far, his work has already yielded evidence that the parasitic species share a common evolutionary origin and has resulted in some very significant findings regarding the evolution of symbiosis in lichenized mushrooms. We agree that Mr. Lutzoni is another outstanding mycologist and encourage him with this award.

**Lorelei L. Norvell** (Department of Botany, University of Washington; supervisor: Joe Ammirati) is doing taxonomic and phylogenetic analysis of Pacific Northwest species of Phaeolivia. By her sponsors she was described as "very bright, an extremely hard worker, and very focused on research and productivity" and that "mycology is her passion and has immersed herself in the subject". She is clearly an exceptional person and researcher. We encourage her and wish her success by awarding her this fellowship.

**Graduate Research Prizes ($100 Prizes)**

**Oral Presentations**

Oral presentation are judged on five criteria: speaking ability (with leeway for foreign students); clarity and visual impact of visual materials; scientific significance; creativity of methodology; and technical quality.

**Eric C. Swann** (Department of Plant Biology, University of California; supervisor: John W. Taylor): Small subunit rRNA phylogeny of basidiomycetes: the simple-septate lineage.

**Catherine Bachewich** (Department of Biology, York University; supervisor: I. Brent Heath): Effects of cell wall-cytoskeleton linkage inhibition on growth and development in *Saprolegnia ferax*.

**Poster Presentations**

Poster presentations are also judged on five criteria: aesthetic and artistic effort; clarity of explanation of text and/or visual aids; scientific significance; creativity of methodology; and technical quality.

**Elizabeth M. Frieders** (Department of Plant Biology, University of Minnesota; supervisor: David J. McLaughlin): Cultural and cytological studies of *Jola*, a tropical heterobasidiomycetous moss symbiont.

**Mary Malik** (Department of Botany, Duke University; supervisor: Rytas Vilgalys): Towards the genetic basis of somatic incompatibility in *Phaeolivia ostreata*. 
Dear Inoculum ...

A Note of Thanks to the Members of the MSA

"I am a member of many professional societies, but the Mycological Society of America is where I feel at home." As Charles Bracker spoke these words at the banquet and awards ceremony at the annual meeting in Athens, I silently echoed his sentiments.

I was brought to the meeting by the Council, who invited me to present a poster that explained the research that helped me win the Westinghouse Science Talent Search. (I was sequencing rDNA to clarify the relationships among certain basidiomycetes.) As I prepared for the trip, I experienced growing trepidation; I was truly terrified to meet the mycological legends whose protocols I had employed and whose papers I had cited. What were the "experts" expecting from the seventeen-year-old about whom many of them had read? Would I return home embarrassed by my ignorance and limited background?

When we arrived at the Georgia Center, I stood quietly, staring at the floor, afraid to make a fool of myself. As I was introduced to incoming mycologists, I was amazed that they were willing to stop and explain the background of their conversations, so that I could be included. I began to relax as I realized that my nightmares of rabid mycologists cackling wickedly as they descended on my research were completely unfounded.

At the Foray, the last of my fears were banished. The only open seat on the bus was with a group of strangers, but after several hours, I concluded that I must have stumbled onto the most congenial group in the society. After interacting with many others throughout the day, I revised my conclusion; my travelling companions were representative of the enthusiastic, patient, and friendly attitude to be found throughout the mycological community.

Over the next several days, I attended many talks, and asked everyone I could to explain what I was hearing. I was impressed by the time taken by so many scientists to detail the intricacies of fungi that, although taken for granted by them, were new and enthralling to me. Each night, I returned to my room to try to digest all that my supersaturated mind had absorbed. And finally, as I sat at the banquet on the last night, in an exhausted afterglow of five days of frenzied learning, I realized that the wonderful experiences I had had during the meeting were more than interactions with exemplary individuals. I realized that the Mycological Society of America, as a whole, was caring, supportive, and exciting. And I knew that this was where I wanted to be.

So now, I want to thank every individual with whom I interacted, and also the Society, for being what it is. At some moment during that week in Georgia, I became hooked on mycology. See you in Vancouver!

Elizabeth Pine

Intriguing Proposals about Charging for Taxonomic Services

The interesting responses to the Inoculum cover article on charging for taxonomic services fit two models:

1. Hang out a sign (as an Institution) saying that you do taxonomic work for a fee and wait for takers
2. Find a niche in which taxonomic work is needed with a degree of criticality (life or death situation) and charge for the service.

It is not surprising that the first model is not successful. I have seen it fail in industrial laboratories who suddenly lose their old, comfortable funding and are searching for a means of survival. It is a great pity if the application of Approach 1 has led to the destruction of taxonomy as a profession in New Zealand.

The second model depends on an individual as the service provider, and that
may be a more promising area in which to begin. Individual taxonomists are strongly motivated to advertise by the simple means of publishing in widely read journals. If they appear to be doing good work in their area(s) of specialty, they will get at least two types of request as a result of their publications:

1. Please identify this specimen (these few specimens).

2. I have been collecting the genus on which you have published in Zambia and have 300 specimens, including some with notes and photographs, etc. Please consider co-authoring a floristic/monographic work on the genus in the region of study.

There is no reason to think that there is a single way of dealing with these requests. First of all, as Ann Bell suggests, one might always say, “No, I’m up to my ears in the research to which I’m already committed.” Or one might pick and chose. In the case of requests of Type 1, familiarity with the person sending the material, interest in the taxa or the collecting region, etc., may motivate a positive response ... or a negative one. One can always turn off the input of this type by developing the appropriate reputation for nonresponse.

I don’t think that there is much point to talking about charging for services in response to the first class of requests unless the second class can be dealt with.

In the case of the second sort of request, collecting of the sort described takes time; very often it takes grants. Time and grants usually require planning. There is no reason not to establish the idea of the courtesy of writing to an expert prior to grant application (or at least contemporaneous with application) to ask about possible involvement and the related needs of the expert.

Maybe it is not payment of cash. It might be an opportunity to collect in the region of proposed study. Or lodging for a protracted stay at the collector’s institution’s herbarium.

I am not suggesting that there is necessarily a cost involved. In some cases in which there is no hope of payment for services there may be an intrinsic interest that overwhims the issue of payment. There ought to be the courtesy of advanced development of a working arrangement in these cases, however. Of course, once a commitment is made it should be honored and not set aside because of a better offer.

The courtesy of advanced discussion should lead to an agreement with real substance. The possibility of something happening some day should be considered for what it is ... a possibility. Of course, one is always at liberty to accept a possibility as sufficient quid pro quo.

As a non-institutional paramycologist, I have wondered how I will be able to sustain interesting studies after retiring from my current nonmycological work. I don’t have an answer, but I have thought of doing the following:

I’ve thought of placing a notice in Inoculum something to the following effect:

“On [date] I plan to retire from AT&T Bell Laboratories. This is an early retirement for the purpose of dedicating more of my time to mycology. As in the past I will be very interested in working with collaborators who have collected my genus of interest extensively. After [date], it will be necessary to plan collaborations of the sort just mentioned in advance of the project because I can no longer assume the associated costs. I request the courtesy of arranging for such collaborations in advance with the view of agreeing upon an appropriate compensation for my services/expenses. Compensation may take any form that is deemed mutually appropriate such as in kind services; travel, room and board; direct cash payment; more direct involvement in your collecting expedition; etc.”

I have discussed this with a few MSA members with whom I have regular contact (and with whom I have or am collaborating on “Type 2” requests). It is only fair to say that the response has been (at least in part), “Well, it may work for genera that are valuable or destructive of forests, important as food, important because they poison people, etc. However, it may not be of much help to others.” This seems like a sound observation. The idea might work for some taxonomists nevertheless; so I put it forward.

I hope that other modes of operation will be suggested so that the broadest possible set of alternatives are available to people who are prepared to do taxonomic work.

Rod Tulloss
Roosevelt, New Jersey

P. S. After sending the original of this letter, I read in the 30 April 1993 issue of Science (pp. 620-622) that Secretary of the Interior Babbitt is credited with launching a National Biological Survey which will (someday) shower grants upon systematists. Perhaps such a Survey will reduce the crisis of resources for mycological and other systematists, increase the positions, and motivate the reinstitution of training. I hope that as a part of the development of plans for such a survey that systematists are engaged in project planning from an early stage and the needs of all project participants addressed with care, flexibility, and fairness.

Request for Help from Bulgaria

I graduated from the Medical Institute. I entered a PhD course in the Mycotoxicological Laboratory at the Research Institute of Hygiene in Sofia. It is the only research laboratory of this kind in our country. The PhD project of my dissertation was ‘Zearaleone production by Fusarium species and factors affecting the production of F-2.’ I defended my thesis in 1985. Now I am a staff scientist, PhD in a mycotoxicological lab at the Institute of Hygiene.

Your journal [Mycologia] is not available in our country. So we cannot receive information about papers that are published in this journal. As well, information about symposia, meetings, conference on mycoxins is very limited. I will be very grateful if you can send the contents of every issue of your journal and information about symposia, conferences, congresses in the field of mycotoxicology. In addition, our laboratory would like to extend its international links with other mycotoxicological labs, to establish contacts with well-known mycotoxicologists, to exchange experience and information. Can you help us to do it?

I will be glad to maintain a correspondence and to exchange information.

Dr. Terry Vrabcheva
Mycotoxicological Laboratory
Research Institute of Hygiene
15, Dimitar Nestorov Str.
Sofia 1431, Bulgaria
[fax 00359-2-803791]
Special Offer on “Zoosporic Fungi in Teaching and Research”

The publishers of this 1987 book edited by M. S. Fuller and A. Jaworski regret that they could not return to the MSA meeting in Athens as they had promised they would. As a consequence, as long as copies of the book are available, they may be ordered by any MSA member at the price offered at that meeting. The book originally sold for $40.00 is now being offered to MSA members for $25.00 for single copies; two or more copies may be purchased for $20.00 each. Include $3.00 ($5.00 International) per book to cover postage and handling. Please send orders to:
Southeastern Publishing Corp.
195 Newton Bridge Rd.
Athens, GA 30607

An Online Conundrum

I’m enjoying inoculum very much, and I appreciate your attempts to make people aware of the world of Internet and other electronic information sources. I wonder about lifting articles off the net and reprinting them without permission, or without credit, as you did in the [January 1993] issue, though. One of the problems with many groups on the net seems to be that people are willing to read but somewhat reluctant to post, especially in the more “serious” forums like the bionet groups. I don’t think folks will be more likely to participate if they think their words might show up, without permission and possibly out of context, in a professional society newsletter. It doesn’t seem ethical to me. Seems to me an equivalent situation would be publishing something that a colleague told you between sessions at a meeting. You just wouldn’t do it.

Only my viewpoint, of course. These are the kinds of problems that will get ironed out as we all get used to these new ways of communicating.

Karen Snetselaar
University of Georgia

[Editor’s note: This raises a difficult problem for which I am not sure any definitive solution yet exists. Uploading comments, letters, articles, or other material to public networks may be regarded as the electronic equivalent of graffiti (with the exception that many contributions to the networks are legal and signed whereas “defacement” (however artistically done) of walls or other parts of buildings is usually legal and, therefore, anonymous. I try to get permission for those items from the networks that I am using and include proper attributions where I can. I would not intentionally include anything from the networks, no matter how great its potential interest to mycologists might be, if I thought the item was in poor or bad taste or could cause anybody any legal difficulties. There should be no concern about items being taken out of context since I am not inclined to edit the contents of anything that I am going to use (unless, perhaps, to correct unintentional misspellings or wrong grammars). Material from the electronic networks will never be a mainstay of the contents of this newsletter; it will remain more like a condiment used for the constructive reinforcement of the regular contents.]

Fungi and AIDS

I am writing to you as a researcher for PHact PHile, a new treatment newsletter for people with HIV and AIDS in Britain that provides information on available treatments from the ultra-orthodox to the unconventional. PHact PHile is an offshoot of Positively Healthy, a registered charity, No 801 544, and aims to provide information that is uncensored and wide-ranging in order to assist people to make informed choices about their health care.

At the moment, PHact PHile is gathering information on the use of mushrooms/fungi and would appreciate any information you may have in relation to HIV/AIDS, in particular Ganoderma lucidum and Lentinus edodes.

John Stevens
35B Penn Road
London N7 9RE, UK
UPCOMING EVENTS

ATCC Laboratory Workshops for 1993-94 (partial listing).
Contact ATCC/Workshop Manager, 12301 Parklawn Dr.,
Rockville, MD 20852; phone 301-231-5566 or fax 301-
770-1805.
Recombinant DNA: Techniques & Applications –
October 23-29
Polymerase Chain Reaction / Cycle DNA Sequencing –
November 2-5
Anaerobic Bacteriology – March 3-4, 1994
In Vitro Toxicology: Techniques and Applications –
April 5-8
Freezing and Freeze-Drying of Microorganisms –
April 27-29
October 8-10, 1993: 40th Annual Charles Horton Peck
Foray will be held at the Arnot Forest, Van Etten, NY,
a short distance from Ithaca and the Cornell University
campus. For further information, contact: Dr. Richard P.
Korf at 607-255-3292, fax 607-255-4471, or by e-mail
to rpk1@cornell.edu.
October 23-24, 1993: Fungal Palynomorph Short-
course, sponsored by the American Association of Stratigi-
graphic Palynologists will be offered in association with
the AASP’s annual meeting in New Orleans, LA. Contact:
Dr. John H.I. Wrenn, Amoco Production Company, PO
Box 3092, Houston, TX 77253.
October 27-29, 1993: IV Cuban Congress on Micro-
biology and Parasitology. Contact: Gustavo Kourfi,
President, Organizing Committee, P.O. Box 601,
Mariano 13, Havana, Cuba [fax 537-215937/201938].
Meredith Blackwell also has information and registration
forms for this meeting.
December 4-8, 1993: International Symposium on Pul-
es Research, Kanpur, India. Contact: Dr. A.N. Asthana,
Organizing Secretary, International Symposium, ISPRD,
Directorate of Pulse Research, Kanpur - 208 024, India,
for first circular or other information.
March 13-18, 1994: The 12th Congress of the Inter-
national Society for Human and Animal Mycology.
Adelaide Convention Centre, Adelaide, Australia.
Contact: Congress of the International Soc. for Human
and Animal Mycology, 80 Brougham Place, North
Adelaide 5006, S. Australia, Australia.

LATE RECEIVED ABSTRACT NOT INCLUDED IN INOCULUM 44(2)

Distribution of Dominican mycoflora in the
bioclimatic zones of the Dominican Republic
Omar Paine Perdomo. Science Faculty, Dept. of Biology,
Autonomous Univ. of Santo Domingo, Santo Domingo,
Dominican Republic.
The Island of Hispaniola, the second largest in area of the
greater Antilles, consists of 2 separate political entities: Haiti and Dominican
Republic. The Dominican Republic has an area of 48,443 km²; it pos-
sesses the same land elevations as the Antillas. The Dominican territory
has 9 zones of life and 6 zones of transition (Holdridge, OEA 1967).
These zones of life have different valleys which are rainy and cold and
produce vegetation until the area is dry and arid. This establishes a
habitat very appropriate for the improvement of the diverse mycoflora.
The fungus in the island of Hispaniola goes back to the third period of
the Cenozoic Era (Stubblefield, Miller, Taylor, and Cole, 1985). The
investigations over the Dominican mycoflora has principle realizations
for the foregoing investigator, initially in 1852 with Berkeley. This
contribution only brings the classes (Mycymycetes, Schizoomycetes,
Fungi, and Mycomycetes) and does not include the aquatic and marine
fungi.
The zones of life that have been studied until this date, the zone of life
moist subtropical forest (bh-S) possesses the greatest distribution of the
fungus species. With 22 areas studied, follow the zone of life dry sub-
tropical forest (bs-S) with 12 areas studied; the zone of life wet subtropi-
al forest with 4 areas studied; the zone of life moist lower montane
forest (bm-MB) with 1 area studied; the zone of life wet lower montane
subtropical forest (bmh-MB) with 1 area studied. In luck these
zones have reported a total of 903 species of fungus parasites, sapro-
phytes, and epiphytes, the desired class (Mycomycetes) that present the
best number of species.

May 8-12, 1994: Nanofabrication and Biosystems:
Frontiers and Challenges. Keahou Beach Hotel,
Kona, Hawaii. Registration, applications for a place on the
program, and abstracts are due by 14 January 1994; contact Harvey Hoch (315-787-2332) or the Engineering
Foundation (212-705-7836) for applications/information.
Graduate student stipends are available.
[Also see separate notice on this meeting, p. 4]

May 11-15, 1994: Association of Systematics Collect-
tions and the Society for the Preservation of Natu-
ral History Collections will hold a joint meeting at the
Missouri Botanical Garden, St. Louis. The theme for
the meeting is “Collections Planning and Policy.”

August 14-21, 1994: 5th International Mycological
Congress. Univ. of British Columbia, Vancouver, BC,
Canada. There will be continuing notices in Inoculum
about the planning and program for this meeting. There
will be no separate annual meeting of the MSA in 1994;
several MSA business and social events will be held
during the Congress.

June 26-July 1, 1994: 7th International Symposium on
Genetics of Industrial Microorganisms (GIM-94),
Montreal, Quebec. The First Circular is available.
Contact: Claude Veza or Nicole Legier, Symposium
Manager – GIM-94, National Research Council Canada,
Ottawa, Ontario, Canada K1A OR6 (phone 613-993-9431
or fax 613-957-9828).

July 3-8, 1994: 7th International Congress, IUMS Di-
visions of Bacteriology & Applied Microbiology and
of Mycology. Contact Dr. Math Lee Ng (Dept. of Bio-
chemistry, Faculty of Medicine, National University of Sin-
apore, Lower Kent Ridge Road, Kent Ridge, Singapore
0511; fax 65-7766872) for the First Circular and/or a list
of scheduled symposium topics for these joint congresses.
[See more detailed notice on pp. 14-15]

For Other Long-Range Planning:
1995 (August 11-15): Mycological Society of America meets
with AIBS at San Diego (CA) Town & Country.
1996 (August): IUMS, Bacteriology and Applied Microbi-
ology Division. Three back-to-back congresses will occur
in Jerusalem, Israel: Virology (12-16 August), Bacteriology
(19-23 August), and Mycology (19-23 August).
This Congress will be held in Prague from July 3rd to 6th, in conjunction with the Bacteriology Division Congress. Many mycologists are unfamiliar with the IUMS Mycology Division and will wonder "What is the Mycology Division?" The Mycology Division is one of the three Divisions that make up the International Union of Microbiological Societies (IUMS). The IUMS embodies more than 100 member societies from countries representing about 100,000 individual scientists. The two other IUMS Divisions are Bacteriology and Applied Microbiology, and Virology. Together with the Bacteriology the Mycology Division had scheduled the 1994 congress many years ago and it was impossible to avoid the clash between their congress and that of IMA in Vancouver. In recent years, the Virology Division has held a congress separate in time and place from the other two Divisions. Beginning in 1966 in Israel, all three Divisions will again hold congresses in the same location, with the Mycology and Bacteriology Divisions immediately following the Virology meeting. From then on, congresses will be held every three years. This will allow the Mycology Division to hold a Congress in one year and IMA holding their congresses in each of the intervening years. This has been planned over the last few years to allow participants to visit one other the other. We anticipate that this will be a great help to mycologists throughout the world.

The next Mycology Division Congress will have a once-only two year interval in order to come into synchrony with the Virology Division, and be held in 1996 in Israel. The site for the 1999 congresses will be Sydney, Australia.

Under the Mycology Division 8 commissions are active and involved in different fields of mycology. The largest of these Commissions are ISHAM (International Society for Human and Animal Mycology) and ICY (International Commission on Yeast and Yeastlike Organisms), but also ICPA (International Commission on Penicillium and Aspergillus), ICFM (International Commission on Food mycology) and ICTF (International Commission on the taxonomy of fungi) are extremely active. All commissions were involved with the preparation of the Prague programme and are sponsoring symposia.

The programme for the Prague meeting has been finalized and comprises 15 symposia and 12 colloquia. Chairmen and speakers have been invited and we are looking forwards to a successful meeting. The programme of the Bacteriology congress which take place simultaneously in the same building comprises more that 40 symposia and colloquia. Topics are interest both to mycologists arnd bacteriologist (e.g., culture collections, biodiversity, expert systems) are accommodated in 12 sessions in the interdivisional Symposia. The local organisers are also preparing a foray and collecting fungi at the same site from where A.J. Corda (1809-1849) has described his species will be one of the possibilities. We are also very excited about the meeting site, as it is modern, large enough to accommodate both meetings in one building, very convenient to the inexpensive subway system (15 dollar cent) and very near old Prague, one of the loveliest cities in the world. Those planning to attend should expect to spend time visiting both the city, with its very old, historical buildings, their castle on the hill, with all of the adjoining buildings and historical sites, and the many other wonders of a city amazingly left intact during World War II. The registration fee for the congress will be US$ 350, for students there is a special fee of $ 100. Student accommodation is estimated $ 15–20.

We hope all of you can join us there!

Rob Samson
Centraalbureau voor Schimmelcultures,
P.O.Box 273, 3740 AG BAARN,
The Netherlands
(on behalf of the Executive Board, IUMS Mycology Division)

SYMPOSIA:

Current trends in fungal taxonomy and nomenclature
Chairpersons: J.I. Pitt (North Ryde, Australia) and L. Marvanova (Brno, Czech Rep.)

New approaches to yeast taxonomy
Chairpersons: A. Martini (Perugia, Italy) and D. Vrana (Prague, Czech Rep.)

Stress responses in fungi
Chairpersons: G.S. Kobayashi (St. Louis, USA) and V. Betina (Bratislava, Slovak Rep.)
Biochemistry of antifungal compounds
Chairpersons: D. Kerridge (Cambridge, United Kingdom) and J. Fuska (Bratislava, Slovak Rep.)

Biology of pathogenic fungi
Chairpersons: K.J. Kwon-Chung (Bethesda, USA) and A. Tomeikova (Plzen, Czech Rep.)

Future trends in antifungal therapy and prophylaxis
Chairpersons: G. San-Blas (Caracas, Venezuela) and E. Weigl (Olomouc, Czech Rep.)

Opportunistic fungal pathogens
Chairpersons: G.S. de Hoog (Baarn, The Netherlands) and Z. Jesenska (Bratislava, Slovak Rep.)

Extrachromosomal elements in fungi
Chairpersons: L. Belcour (Gif-sur-Yvette, France) and J. Subik (Bratislava, Slovak Rep.)

Gene expression in filamentous fungi
Chairpersons: G. Turner (Sheffield, United Kingdom) and S. Pazoutova (Prague, Czech Rep.)

Yeast from DNA sequence to protein function
Chairpersons: M. Sipiczki (Debrecen, Hungary) and Z. Palkova (Prague, Czech Rep.)

Fungal mating types and development
Chairpersons: L.A. Casselton (Oxford, United Kingdom) and L. Homolka (Prague, Czech Rep.)

Filamentous fungi in biotechnology
Chairpersons: A.P.J. Trinci (Manchester, United Kingdom) and V. Sasek (Prague, Czech Rep.)

Novel trends in exploitation of yeasts
Chairpersons: G.G. Stewart (London, Canada) and G. Basarova (Prague, Czech Rep.)

Microbial degradation of lignocellulose
Chairpersons: M.H. Gold (Beaverton, USA) and F. Nerud (Prague, Czech Rep.)

Biochemistry & molecular biology of mycotoxin synthesis
Chairpersons: J.W. Bennett (New Orleans, USA) and V. Matha (Ceske Budejovice, Czech Rep.)

Immunodiagnosis of systemic mycotic infections
Chairpersons: L. Kaufman (Atlanta, USA) and J. Kunert (Olomouc, Czech Rep.)

Ergot alkaloids
Chairpersons: D. Groger (Halle, Germany) and M. Flieger (Prague, Czech Rep.)

Current methods in food mycology
Chairpersons: R.A. Samson (Baarn, The Netherlands) and P. Erbanova (Prague, Czech Rep.)

Fungi in the biological control of pests
Chairpersons: H.C. Evans (Ascot, United Kingdom) and M. Nesrsta (Blatnice, Czech Rep.)

Fusarium mycotoxins
Chairpersons: J.D. Miller (Ottawa, Canada) and J. Simunek (Brno, Czech Rep.)

Toxigenic and allergenic moulds in the indoor environment
Chairpersons: B. Flannigan (Riccarton, United Kingdom) and A. Kubatova (Prague, Czech Rep.)

Intoxications by higher fungi
Chairpersons: R. Seeger (Wurzburg, Germany) and J. Klan (Prague, Czech Rep.)

For further information and/or the second circular with the detailed programme, contact:
Dr. B. Sikyta
Institute of Microbiology,
IUMS Secretariat for Congresses '94
Videnska 1083
142 20 4 Czech Republic
Tel/Fax + 42 2 471 3221

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5th INTERNATIONAL MYCOLOGICAL CONGRESS (IMC5)
Vancouver, British Columbia, Canada
14-21 August 1994

No new information on this upcoming Congress was received for inclusion in this issue of Inoculum.
Dear friends:

MSA Council meetings are long, somewhat boring affairs — at least that has been my impression over the years. Likewise, the report of the Secretary delivered at the business meeting when everyone is anxious to move about and be elsewhere, is not riveting, rhapsodic rhetoric, but these events summarize many deliberations, many actions, taken by Council on behalf of the Society, both internal (endowment, sustaining members, Mycologia) and external (relations with AIBS, ATCC, AAAS, amateur societies). Just as taxation without representation was an irritant spurring national independence, so your dues to MSA both qualify and oblige you to participate in Society affairs.

During the all-too-short upcoming year, I hope we can make real progress in establishing (1) an efficient finance committee structure to oversee money-raising, money-investing, and money disbursement; (2) an electronic bulletin board, user friendly, open to all; and (3) a significant presence in national and international deliberations on biodiversity, its inventorying and its conservation.

When I was a fledgling Ph.D. in about 1963, I remember asking Clark Rogerson, then Editor of Mycologia and “Mr. MSA,” how one could become influential in the Society. Apparently I had not heard the old saying “the position seeks the person,” not vice versa. His response: “Be interested; stay active; serve on committees, and your time will come.” My time, indeed, has come, and I bid younger, eager Society members to follow the same advice. Offer opinions, volunteer for committees — your time will come.

Sincerely,
MSA Organization 1993-94

OFFICERS AND COUNCILORS

President, 1993-94 .........................Ronald H. Petersen
President-Elect, 1993-94 ..................Amy Y Rossman
Vice-President, 1993-94 .................Donald H. Pfister
Secretary, 1991-94 .........................Mary E. Palm
Treasurer, 1992-95 .............................Timothy J. Baroni

COUNCILORS

Eastern US, 1991-94 ......................David F. Farr
Ecology/Pathology, 1992-94 .............Michael Allen
Ecology/Pathology, 1992-95 ..................Steven L. Miller
Genetics/Molec. Biol., 1993-95 ..........Giorgianna May
Systematics/Evolution, 1993-95 ........Gregory Mueller
Systematics/Evolution, 1992-94 ........Thomas D. Bruns
Cell Biology/Physiology, 1993-95 ......Richard Howard

Other Council Members
Past President, 1992 .....................Martha J. Powell
Past President, 1993 ......................Meredith Blackwell

OFFICIAL REPRESENTATIVES

Representative, Committee of Section G,
Biology, American Association for the Advance-
ment of Science, 1991-94 ..................John W. Taylor
Representative, Council, American Institute
of Biological Sciences, 1990-94 ..........Jerome J. Motta
Representative for Public Responsibility, American
Institute of Biological Sciences, 1992-95 ....Amy Y. Rossman
Representative, Biological Stain Commission,
1992-95 .....................................Francis A. Uecker
Representative, American Type Culture
Collection, 1992-95 ..........................Amy Y. Rossman
Representative, Association of Systematic
Collections, 1991-94 ........................Amy Y. Rossman
Representative, U.S. National Committee,
International Union of Microbiological
Societies (IUMS), 1991-95 .............R. D. Goos
Representative, International Mycological
Association, 1993-96 ........................Meredith Blackwell
Representative, Committee for the National Institute
for the Environment (NIE), 1991-94 Michael F. Allen

EDITORS

Mycologia

David McLaughlin, Editor-in-Chief
Roy E. Halling, Managing Editor
Linda M. Kohn, Mini review Editor
Robert V. Gessner, Book Review Editor
David F. Farr, Index Editor

Editorial Board:
1989-94: M. Christensen, C. Kurtzman, R. Vilgalys
1990-95: A. Jaworski, G. Samuels, P. Szaniszlo

Inoculum

Richard A. Humber, 1991-94

STANDING COMMITTEES

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Gerry L. Benny, 1991-94
Roy E. Halling, 1991-94
Orson K. Miller, Jr., 1992-95
Henry van Tuyl Cotter,
Sustaining Membership Committee, ex officio
Mary E. Palm, MSA Secretary, ex officio

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Henry C. Aldrich, Chair, 1991-94
Donald H. Pfister, 1992-95
David Porter, 1993-96

Advisory Committee on Nomenclature
Scott A. Redhead, Chair, 1992-95
Carl B. Wolfe, Jr., 1991-94
Gary J. Samuels, 1993-96

Committee on Sustaining Membership
Henry van Tuyl Cotter, Chair, 1991-94
Steven B. Lee, 1992-95
Karen L. Klomparens, 1992-95
Paul Stamets, 1993-96
Dean Glawe, 1999-96

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Robert W. Lichtwardt, 1992-1994
Mel Fuller, 1993-96

Committee on Placement
Andrew A. Methven, Chair, 1991-94
Lori M. Carris, 1992-95
Anne Dombrowski, 1993-96
Committee on Endowment
George Carroll, Chair, 1991-94
Diane TeStrake, 1992-95
Charles W. Mims, 1992-95
Jack D. Rogers, 1993-96
Robert W. Lichtwardt, 1993-96
Timothy J. Baroni, MSA Treasurer, ex officio

Committee on Teaching Mycology
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W. Wallace Martin, 1991-94
Martha Powell, 1992-95
Andrew S. Methven, 1993-96

Committee on Publications
Christopher Lucarotti, Chair, 1992-95
Jean Boise Cargill, 1994-94
Keith Seifert, 1993-96
George Carroll, Chair, Endowment Committee, ex officio
David J. McLaughlin, Editor, Mycologia, ex officio
Richard A. Humber, Editor, Inoculum, ex officio

Rotating Committees
Program Committee
Rytas Vilgalys (Cytol.-Genetics), Chair, 1989-95
Elwin Stewart (Ecology-Pathology), 1990-96
Steven Miller (Morphology-Taxonomy), 1991-97
Paul Horgen (Physiology-Biochemistry), 1993-99

Committee on Awards
John C. Cooke, Chair, 1990-94
Linda M. Kohn, 1991-95
Rodney G. Roberts, 1992-96
Dennis Desjardin, 1993-97

Committee on Annual Lecturer
Don Hemmes, Chair, 1991-94
Thomas C. Harrington, 1992-95
James B. Anderson, 1993-96

Committee on Culture Collections
Lynne Sigler, Chair, 1990-94
Stephen W. Peterson, 1991-1995
Mary L. Berbee, 1992-96
June Wang, 1993-96
Mary Palm, MSA Secretary, ex officio

Committee on Nominations
Harold Burdsall, Chair, 1990-94
Charles Mims, 1991-95
Donald J. S. Barr, 1992-96
Martha A. Powell, 1993-97

Committee on Phytopathology
Larry Dunkle, Chair, 1991-95
Gerard C. Adams, 1992-95
Michael Garraway, 1993-96

Committee on Medical Mycology
Michael Dykstra, Chair, 1991-94
Dennis M. Dixon, 1992-95
Michael Rinaldi, 1993-96

Committee on Ecology
Michael F. Allen, Chair, 1991-94
Donald T. Wicklow, 1992-95
Marin Klich, 1993-96

Committee on Liaison with Amateur Mycological Societies and Clubs
Elizabeth Farwell, Chair, 1991-94
Dennis Desjardins, 1992-95
Richard Homola, 1993-96

Special Committees & Assignments
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James E. Adaskaveg, Chair
Robert L. Gilbertson
Gerry L. Benny
Clark T. Rogerson
Mary Palm, MSA Secretary, ex officio
Amy Y. Rossman, MSA Pres.-Elect, ex officio
Ronald Petersen, MSA President, ex officio

Committee on Publication of Memorials
David J. McLaughlin, Chair, Editor, Mycologia
Sabine Huhndorf, Historian
Ronald Petersen, MSA President

Historian
Sabine Huhndorf

Smith Award Committee
Timothy J. Baroni, Chair
Harry Thiers
James Trappe
Nancy Smith Weber

Ad Hoc Publicity Committee
Steven L. Miller, Chair
Ilan K. Ross
Gerald F. Bills
Elwin L. Stewart

Liaison on Biodiversity
D. Jean Lodge

Liaison on Society Incorporation
Lafayette Frederick

Liaison for Conservation of Cultural Resources
Gregory Mueller

MSA 1994 Meeting (Vancouver, BC), Local Organization
Contacts
Local Liaison — Tony Griffiths
Local Foray — Joe Ammirati

Affiliated Societies
The Boston Mycological Club
Illinois Mycological Association
Oregon Mycological Society
Minutes of Official Meetings

Minutes, MSA Business Meeting 11 August 1992, Portland, Oregon

1. The meeting was called to order by President Powell at approximately 8:00 AM.
2. General announcements regarding the upcoming auction, the MSA brochure and MSA membership were made.
3. Persons seated at the head table were introduced.
4. Appreciation was expressed to Gerald Bills (Program Chair), Jeff Stone (Local Arrangements), and George Carroll for his many efforts on the Endowment committee.
5. The minutes of the 1991 annual business meeting were approved.
6. The results of the election were read. Those elected were:
   - A. Rossmann Vice-President
   - T. Baroni Treasurer
   - S. Miller Councilor, West
   - M. Allen Councilor, Ecology/Pathology
   - T. Bruns Councilor, Morphology/Taxonomy
7. Reports were read by the Secretary (Palm), Treasurer (Reeves), and the Editor-in-Chief (McLaughlin) and Managing Editor (Halling) of Mycologia. All new members were approved by membership.
8. Secretary Palm read the minutes of the 1992 Council Meeting.
9. President Powell announced the recipients of the Mentor Student Travel Awards and presented them to those that were present. Powell expressed appreciation to Henry Aldrich for his work on establishing and awarding these prizes.
10. Outgoing President Powell introduced and turned the meeting over to incoming President Blackwell.
11. The meeting was adjourned by President Blackwell.
   Respectfully submitted,
   Mary E. Palm, Secretary

Minutes, MSA Executive Committee Mid-Year Meeting, 5-7 February 1993, Beltsville, MD

1. The meeting was called to order by President Blackwell at 8:40 a.m. on Saturday, 6 Feb. All members of the Executive Committee were present (Blackwell, Baroni, Palm, Petersen, Powell, Rossman).
2. Vice-President Rossmann reported on the candidates for office for the 1993 ballot. They are as follows: Vice-President - Jim Ginns and Don Pfister, Councilors - Cell Biology/Physiology - Rick Howard, Mike McGinnis, Genetics/Molecular Biology - John Leslie, Georgiana May, Systematics/Evolution - Greg Mueller, Carol Shearer. Few nominations were received from the members at large.
3. The Committee on Honorary Members recommended that Drs. Lennart Holm, Erast Parmasto, Josef Poelt, and Jorge Wright be considered by Council and put forth for election at the 1993 business meeting. Some discussion followed regarding criteria for election to honorary member status. The main criterion is international reputation and contribution to Mycology. Need is not a consideration. There are currently 12 living honorary members; 35 are allowed under the new by-laws. The four nominees were unanimously approved by the Executive Committee. Council will be polled by Secretary Palm.
4. President Blackwell reported that the Finance Committee is looking into whether changes in the format and guidelines governing the Endowment Fund require by-laws changes. At present no changes have been recommended.
5. Treasurer Baroni reported that the Society is sound financially and the current membership is 884 1993 renewals, 53 new members, and 28 sustaining members, with 220 1992 memberships not yet renewed. Renewal notices will be sent shortly. Pres. Blackwell will write letters to the 190 members who did not renew after 1990 or 1991 to encourage them to rejoin the MSA. Approximately $7,000 remains in a bank in Colorado. Baroni will again contact Brent Reeves regarding the transfer of the remaining money and other items needed for the successful operations of the Treasurer.
6. Secretary Palm reported that the Council was polled in October and approved the following items: 1) The 1995 meeting will be in San Diego, 6-10 August, with AIBS. 2) Michael Allen is local liaison. 3) The publicity Committee can spend up to $200 on committee activities. 4) Mycologia Editor-in-Chief can spend up to $4000 for purchase of a computer. 5) Advertisements will be accepted in inoculum and revenues will help pay for its production. Cost is $100 per page or less for fraction of page, averaging a cost to the advertiser of $0.09 per recipient. 6) Names were solicited for the next Editor-in-Chief of Mycologia.
   Some discussion followed regarding the precedent for MSA to buy computers for officers or Editors-in-Chief and what to do with those "old" computers. Discussions are still underway with NYBG about their involvement in purchasing the computer for the Mycologia editor. Sandi Frank of NYBG will be present at the Council meeting in Athens. David Morales has been hired to replace the retired Gloria Picca at NYBG. Sabine Huhndorf, MSA historian, would like any old photos of mycological interest, especially those in danger of being discarded.
7. Future meetings
   a) Arrangements for the 1993 meeting in Athens are well underway, with a number of workshops and symposia planned. The deadline for abstracts has been moved to 24 February as announced in the Inoculum now in the mail.
   b) The deadline for the program for IMCS in 1994 is 31 January 1994 and members are encouraged to make suggestions. President Blackwell has asked committee chairs for ideas for symposia. Tony Griffiths has been contacted about MSA hosting a reception for officers of the other participating Societies. Blackwell and Rossmann will continue to work on the NSF Proposal with a tentative June 1993 deadline. Discussion followed regarding other possible sources of funding. Blackwell will appoint a person to coordinate MSA information packets and souvenirs, such as buttons for foreign attendees.
   c) Council approved San Diego as the site of the 1995 meeting as stated in item 6 (above).
   d) The 1996 meeting was discussed but further consideration postponed until the Council meeting in Athens.
8. International Meetings
   a) An announcement was recently received regarding the IUMS 7th Congress of the Bacteriology and Applied Microbiology and the Mycology Divisions in Prague in 1994.
   b) At Peter Raven's request, MSA has endorsed holding the meeting of the International Botanical Congress in St. Louis in 1999.
   c) Notice was received of the 1999 IUMS meeting in San Francisco.
   d) Discussion followed regarding the increasing number of in-
ternational mycological meetings and the need for MSA members to participate. The suggestion was made that these meetings be noted in the Newsletter with a brief paragraph describing the meeting.

9. Secretary Palm received a report from the National Research Council, Board on Agriculture, regarding the April 1992 meeting at which Mike Coffey represented MSA. NRC requested suggestions for candidates to serve on a committee studying the role of colleges of agriculture in the land grant university system. President Blackwell will respond.

10. Immediate Past President Powell reported on the BSA Survey, "Botany for the Next Millennium," conducted in order to prepare a whitepaper on the health of Botany, including Mycology. An ad hoc committee composed of Powell, Blackwell, Petersen, Rossman and Jim Clark (BSA repr.) will summarize the results of the 40+ surveys returned.

11. Vice-President Rossman led a discussion on biodiversity and the need for timely notification of members regarding important issues and opportunities. At Joe Ammirati's request, Blackwell will appoint a new MSA biodiversity liaison. Rossman will pass on information she receives to that person.

12. Efforts to nominate MSA members as AAAS fellows and as members of the NAS are underway.

13. *Mycologia*
   a) President Blackwell is currently recruiting potential Editors-in-Chief to succeed David McLaughlin. The goal is to have a person approved for that position one year prior to Dave's end of term.
   b) McLaughlin requested that the Exec. Comm. make suggestions regarding the appointment of Associate Editors, as approved by Council in 1991. Much discussion followed and the Exec. Comm. agreed that there be some standardization of the structure but with flexibility for the incoming editors. The following recommendations will be made to McLaughlin: 1) Associate Editors be appointed for 2-year terms, renewable to 6 continuous years, 2) the number of Associate Editors be flexible, 3) both Associate Editors and an Editorial Board are needed and a transition system should be proposed to Council, 4) the Editor-in-Chief should screen all manuscripts before sending to Associate Editors, 5) the Editorial Board should be reduced, possibly to 5 members with 5 year, staggered terms, and 6) efforts should be made to represent all subdisciplines on the Boards but these should not be titled positions as such.

14. The status of a publisher for *Mycologia Memoirs* was discussed and the contract with APS for the Ginns manuscript was reviewed. Executive Committee recommended that President Blackwell sign this contract and send a letter about future *Mycologia Memoirs* to Steve Slack, APS Editor-in-Chief, regarding 1) rights to the name *Mycologia Memoirs*, 2) their willingness to handle less saleable titles, 3) editorial problems such as the time factor using two sets of reviewers and whether in the future we could agree on one joint committee, and 4) price for Lubrecht's standing orders. We need to discuss further with APS royalties or other options that benefit MSA. Blackwell will contact NYBG regarding ownership of the title *Mycologia Memoirs*.

15. The January issue of *Inoculum* is in the mail and includes the call for awards nominations and last call for abstracts. February 24 is the new deadline for abstracts. Rich Humber recommended that the deadline for renewing MSA memberships be moved to 31 November to allow sufficient time for new names and address changes to be incorporated prior to the mailing of the January newsletter and the Jan/Feb issue of *Mycologia*. No late fees would be charged until January. Executive Committee approved this for 1994. Council will be polled. A separate mailing of the renewal notice was discussed and recommended. That notice will also ask for an indication of the area of research interest in light of recent change in categories, request inclusion of FAX numbers and E-mail addresses, and include Endowment Fund contribution information. An updated interim Directory will be included as part of a future Newsletter and will include a list of honorary members.

16. Secretary Palm reported that 24 additional copies of the *Mycologia Index* have been sold bringing the total to 341. She suggested that institutional sales might be increased with a direct mailing to subscribers. That idea and the suggestion that some copies be brought to Athens for sale were both endorsed. Sales through other book sellers were also discussed. Palm will contact Sandi Frank, NYBG, concerning these ideas.

17. Endowment Fund
   a) Treasurer Baroni reported that approximately $6500 has been received for the Endowment Fund bringing the total to nearly $24,000. Discussion followed regarding management of the funds and the recommendation was made to place that money in a 12 or 18 month CD. The Finance Committee, which serves in an advisory capacity, will be asked for input regarding management of this fund.
   b) Several requests from George Carroll were considered. Executive Committee unanimously agreed with those requests which in essence temporarily transfer $5710.72 from uncommitted endowment funds to four mentor travel awards in order to bring their totals to $2000 each. This will allow for those four awards to be offered for the 1993 meeting. Money will gradually be returned to the uncommitted fund. Call for applications for the student travel awards will be mailed with the ballot in late February. Henry Aldrich will receive applications and set up a committee to determine awardees.

18. A report was received from Van Cotter that MSA now has 29 Sustaining Members.

19. President Blackwell reported that the Publicity Committee is putting together a questionnaire to determine mycological expertise available. It is expected that this will also allow the Society to document changes in professional mycological positions in North America.

20. Secretary Palm reported that notices were received of the deaths of H. Kern, K.C. Lu, and Larry Olson. The memorial for K. Harrison has been written by J. Ginn.

21. The logistics and pros and cons of a permanent Society address were discussed. Secretary Palm will write to Allen Press and the Association of Scientific Societies (manages APS) about the feasibility and costs of their providing specific services to MSA, such as maintain membership list, send renewal notices, collect dues (check and credit card), supply mailing labels, and publish the membership directory. Sandi Frank at NYBG will be consulted regarding how this will impact on our costs from NYBG and where these services might overlap.

22. Secretary Palm and Rich Humber recommended that the definitions and privileges of the various membership categories be clarified. Blackwell pointed out that family memberships were intended to supply one journal per family but both members would have all other privileges, including the Newsletter. Members of all categories receive the Newsletter. Appropriate clarification will be made in the by-laws by Palm.

23. Executive Committee agreed to provide money for a gift to IMI to be placed in the lobby of their new facility.

24. Past President Powell reported that the Teaching Committee is producing a booklet of experiments, tested by the committee. They hope to have this ready for the June meeting. Carolina Biological Supply has agreed to market the fungi used for the experiments.

25. The meeting was adjourned at 12:40 pm, 7 February.

Respectfully submitted,

Mary E. Palm, Secretary
Minutes, MSA Council Meeting
19 June 1993, Athens, Georgia
Executive Room, Georgia Center

1. The meeting was called to order at 8:35 a.m. by President Blackwell with all Council members present except Allen, Farr, and Ullrich.

2. The minutes of the 1992 Council meeting were approved. These appeared in Inoculum 43(4).

3. The minutes of the mid-year Executive Committee meeting had been circulated to Council by mail. One change was noted by Secretary Palm. Minutes were approved and will appear in Inoculum 44(3).

4. The election results were announced by Vice-President Rosman and are as follows:
   - Vice-President: Don Pfister
   - Councilor:
     - Cell Biology/Physiology: Rick Howard
     - Genetics/Molecular Biol.: Geogiana May
     - Systematics/Evolution: Greg Mueller

5. The Secretary's report had been circulated by mail and was amended to include the notice of the death of Yosio Kobayasi.

6. Treasurer Baroni circulated his report and indicated that the Society is sound financially with a balance in the account at Cortland of $203,244.16. Tim reported that there are still a number of Society items and some money that have not been passed on to him by the previous Treasurer. Discussion followed [these items and the remainder of the funds being discussed were received after the annual meeting - MEPalm]. In order to alleviate the problem of late renewals, Council approved the motion that dues notices be sent separate from the journal. It was also decided that 30 November 1993 would be the deadline for 1994 renewals, although the late penalty would not be imposed until after 31 December.

7. Ms. Sandi Frank, Director of the Scientific Publications Department, New York Botanical Garden, was welcomed. The Managing Editor's report was presented by Roy Halling, who indicated that the final report will be submitted after the end of the fiscal year (June 31). That report will appear in Inoculum 44(3).

8. Secretary Palm reported that 353 copies of the Mycologia 22-year Index have sold. A special offer is being given to promote sales to Institutional subscribers and MSA members. MSA members may purchase a set of Mycologia Index to Volumes 1-58 and the newly published Index to Volumes 59-80 for $62.00, plus handling and postage. Approximately 20 sets will be available for immediate purchase at the meeting. Thanks were extended to Sandi Frank for her efforts in marketing the Indexes.

9. A successor to Mycologia Editor-in-Chief McLaughlin will be needed in approximately two years. President Blackwell contacted suggested candidates with little positive response. Council was encouraged to suggest other well-qualified candidates.

10. Sandi Frank discussed the proposed changes to Mycologia and extended thanks to Rich Humber for all of the work that he has done in the redesign effort. Rich presented samples of those changes to the cover and to the text style of the journal. Discussion over various changes followed with a generally positive reaction to those changes. Cost estimates will be received soon and NYBG will decide on the final changes, which will occur in the next volume of Mycologia. Council thanked Frank and Humber for their work.

11. The report on Mycologia Memoirs was received from McGinnis. Memoir 19 by Ginnis and Lefebvre is being published by APS Press and should be printed by November 1993. A general agreement has been worked out with APS Press for future Memoirs to expedite the review process. Dr. Gail Schumann has been appointed by APS to handle this and future Memoirs and will be in contact with the Mycologia Memoirs Editor for editorial matters and with the authors for matters pertaining to the manuscript. The MSA President will sign any contract made with the Press.

12. Hanlin's report from the Publications Committee was received and brought up the question of the revision of the Mycology Guidebook. Council decided that the Guidebook, available from the University of Washington Press, should be advertised in Inoculum. Council also recommended that we do not proceed on revising the Guidebook unless a person is found who is willing to be editor for the book. Smaller works dealing with more specific topics should be encouraged. University of Georgia Press has indicated that they would allow the MSA to reprint J.H. Miller's A Monograph of the World Species of Hypoxylon.

13. The following motions regarding Inoculum were passed:
   - "The MSA Council authorize a supplementary appropriation of up to $2500 to cover costs of the production and distribution of the fall issue(s) of Inoculum." Discussion followed regarding the option of delivering the newsletter by E-mail to some members. The need for timely distribution of some items was also discussed. President will appoint Don Pfister and others to work towards establishing a mycology bulletin board.
   - "The annual appropriation by the MSA Council for the production and distribution of Inoculum be increased from $10,000 up to a maximum of $12,500."
   - "The Council authorize the assembly of a targeted listing of professional scientific societies dealing with biological sciences and biological issues which will be designated by the President to receive the MSA Newsletter on a pro bono or exchange basis." A preliminary list was circulated. Suggestions should be made to Secretary Palm.
   - "The Council authorize the editor of the MSA newsletter to explore the possibility of establishing a small set of subeditors to assist in the assembly of information to be included in the Newsletter." The benefit of accepting camera-ready material was discussed.

14. The Finance Committee's detailed report responded to a request by Pres. Blackwell to make recommendations regarding the structure and management of the Endowment. Discussion followed regarding the functions of the Endowment Committee and the proposed Board of Trustees and on the amount of money to be invested initially by the appointed trustee. Council passed a motion that the Publications Fund be moved from the Endowment to the General Operating Funds. This will require a bylaws change. Council unanimously agreed that they supported the action of the Finance Committee, the Chair of the Endowment Committee, and the MSA President and Treasurer in determining the future organization of the new Endowment Committee and the management of the Endowment Funds. The committee also recommended that the MSA bylaws be revised for consistency and content. It was noted that determining awardees was still the function of the Awards Committee.

15. George Carroll reported that the Endowment received 100 contributions totaling $23,679.28 since 1 June 1992. Some additional contributions were received by the Treasurer. The auction and T-shirt sales at the Portland meeting brought in $3600. Council approved a temporary transfer of money from the General Endowment Fund to the Myron Backus Graduate Research Fund in order to fully vest that fund so that an award can be made in 1994. Council also approved that the first award of $1000 from the Martin/Baker fund be made in 1994, with a commitment to vesting that fund when the total contributions reach $15,000.

16. A move to accept the currently unofficial logo as the official logo of the MSA passed.
17. Bonding of the Treasurer was discussed, which would protect that officer against results of honest mistakes. The Society's options when an elected official cannot or does not carry out their responsibilities was discussed. President Petersen will appoint an ad hoc committee to look into this matter.

18. Council had previously determined that hiring an organization to provide Membership Services for MSA was desirable for a number of reasons, including relieving the Secretary and Treasurer of some of the more mundane responsibilities of those positions and to enhance the professional image of our Society, the ultimate goal being to maintain and increase membership. Secretary Palm reported on bids received for providing Membership Services, including renewal management, membership list maintenance, interaction with publisher including supplying mailing labels and arranging for shipment of back issues, and a permanent address for member inquiries. Additionally, credit cards could be used to renew memberships and the Service would coordinate the publication of a membership directory, as requested. Allen Press (AP) will provide membership services for approximately $7.00/member/year. The Federation of American Societies for Experimental Biology (FASEB) would provide those services plus complete Secretariat services for between $10.00 and $15.50/member/year. The latter would include most of the duties of both the Secretary and Treasurer, and would constitute full Society management. The American Phytopathological Society indicated that they would consider providing these services but would like to meet with a representative from MSA to discuss services and prices. New York Botanical Garden would still handle institutional subscriptions, no matter which Service we choose. A motion that "the Society continue in the negotiations for business management of the Society's affairs and that the Executive Committee has the authority to approve the final contract" was passed unanimously. This will not necessitate a dues increase.

19. Amy Rossman, representative to the Association of Systematics Collections, reported on various issues regarding national and international activities on biodiversity and the environment. She emphasized the need for mycologists to become active in promoting mycology and the need for mycology to be represented on the biopolitical scene. Rossman presented information on Systematics Agenda 2000, which is a proposal to discover, describe, classify, and organize information on all organisms. Council endorsed a resolution in support of Systematics Agenda 2000. Council also endorsed the concept of All Taxa Biological Inventories as outlined in the Janzen workshop proceedings.

20. Mycologia Editor-in-Chief McLaughlin submitted his report and requested action on several items. Council approved the nominations of Jim Anderson, John Taylor and John Zak to the Editorial Board. Council also approved the following recommendations proposed by the Editorial Board: 1) The Editorial Board will consist of two groups: Associate Editors and an Editorial Advisory Committee. The Associate Editors will handle manuscript reviews and revisions and advise the Editor on their acceptance or rejection with the final decision to be made by the Editor. The Editorial Advisory Committee will be responsible for policy decisions and promoting the development of their research fields within the journal. 2) Associate Editors will be appointed by the Editor, subject to Council approval, for two year terms with renewal for up to six years (two reappointments). 3) The number of Associate Editors will be determined by the Editor with up to a maximum of 12 Associate Editors. The decision on the number of Associate Editors will be left to the Editor. During the transition to an Associate Editor system, Associate Editors may also be Advisory Committee members. Appointment of Associate Editors in the last year of an Editor's term will be made in consultation with the incoming editor. 4) The Editor-in-Chief will receive and send out all manuscripts to Associate Editors and manage details of the editorial process including the manuscript tracking system and the reviewer files. Associate Editors will request reviews, manage revisions, and advise the Editor on acceptance or rejection of manuscripts. Associate Editors will provide manuscripts that have been copy-edited for the Press to the Editor who will make the final decision on acceptance or rejection. The Editor will also check manuscripts for submission to the Press and handle revisions if needed at this stage. 5) The Editorial Advisory Committee will consist of five members. Each member will represent a different field of study. This will not be specified. Advisory Committee members will serve five year staggered terms and will be eligible for re-election to a second term. As terms of the present Editorial Board members expire, one new Board member will be elected each year. Thanks were expressed to Rich Humber for his many efforts on the time-consuming task of redesigning the cover of the journal and modifying the format of the text pages. Additional information in McLaughlin's report can be read elsewhere in this Newsletter. Some discussion took place over the need for a new Editor in approximately two years.

21. Sandi Frank discussed some issues that still need to be addressed regarding the journal modernization including cost of new format, probable increase in mailing charges due to a heavier journal, and how to best utilize the blank spaces left at the end of articles. These details will be worked out by Frank, McLaughlin, and Allen Press.

22. Program Committee Chair Jaworski reported on this year's program, which contains 204 titles distributed as follows: 1 presidential address, 1 annual lecture, 20 symposium talks, 102 contributed papers, 80 contributed posters. Jaworski also made a number of recommendations regarding program organization, including the usefulness of E-mail, which will be incorporated into the Manual of Operations. He expressed thanks to Rich Humber for his efforts in receiving and publishing the abstracts. Council expressed thanks to Jaworski for his work in putting together an excellent program. See his report for other details.

23. Steve Miller reported on an informal survey that he conducted for the ad hoc Publicity Committee. He identified several perceived problems of the MSA including poor image, lack of defined mission or vision, and lack of an identifiable service component. He also discussed ways that MSA and mycology can be promoted. The establishment of a mycology bulletin board was encouraged as was the need for a database of mycological expertise, the importance of interacting with other Societies, the importance of elevating individuals from our ranks into influential positions, and others. The bottom line is: Everyone in the Society needs to make an individual effort in promoting mycology, in whatever way is appropriate for them.

24. Past-President Powell reported on the results of the MSA responses to the Botanical Society of America's survey "Botany for the Next Millennium." Council considered the survey results useful in planning future action. The report from that committee was tentatively approved by Council and members will respond to Powell concerning suggestions. An abbreviated report will appear in the Newsletter.

25. President Blackwell has written to Peter Raven and Quintin Wheeler about the importance of including fungi in plans for the National Biological Survey.

26. President Blackwell noted that David Hawksworth is a strong and effective promoter of mycology throughout the world.

27. President Blackwell detailed other activities and emphasized the need for involvement of mycologists in NSF proposals and influencing processes, the need for MSA to promote the nomination of members as AAAS fellows and members of the National Academy of Science, and the availability of grants from USDA, NIH, NSF, and AID.

28. Tim Baroni announced that the Alexander H. and Helen
Minutes, MSA Business Meeting
22 June 1993, Georgia Center for Continuing Education, Athens, Georgia

1. The meeting was called to order by President Blackwell at 8:05 p.m.

2. Elizabeth Pine, the 1993 Westinghouse Talent Winner, was introduced. Tony Griffiths, representing the planning committee of IMC5, was introduced. Councilors Ginnis, Vilgalys, and Ullrich, and Past President D. Barr were thanked for their service on Council. Thanks were also given to Van Cotter for his efforts in obtaining Sustaining Members, George Carroll for the successful year for the Endowment Committee, and the following persons for their work on the various publications of MSA: R. Humber, Newsletter and journal design; R. Gessner, Book Review Editor; L. Kohn, Mini-review Editor; D. Farr, Index Editor; R. Halling, Managing Editor; D. McLaughlin, Editor-in-Chief.

3. Appreciation was expressed to the following people for their many efforts that contributed to the success of the 1993 meeting: C. Mims, local arrangements; R. Hanlin, foray; D. Porter, social/auction; Wiley Garrett, host; N. Reed, Georgia Center; and UGA graduate students for silk-screening t-shirts and serving as projectionists (D. Geiser, B. Richardson, K. Snetseelaar, J. Shields). C. Bracker, C. Cooper, and K.-E. Eriksson were thanked for organizing symposia.

4. The minutes of the 1992 MSA Business meeting were circulated and approved.

5. Vice-President Rosman announced the results of the election: D. Pfister, Vice-President; R. Howard, Cell Biology/Physiology; G. May, Genetics/Molecular Biology, and G. Mueller, Systematics/Evolution.

6. Secretary Palm's report was circulated.

7. Treasurer Baroni's report was circulated and highlighted orally by Baroni.

8. The list of new members was approved. All requests for emeritus status were approved.

9. Four honorary members were approved: Drs. Lennart Holm, Erast Pamast, Josef Poelt, and Jorge Wright.

10. The report of Editor-in-Chief McLaughlin was presented and will be printed in Inoculum.

11. The report of Managing Editor Halling will be printed in Inoculum after the end of the fiscal year for the NYBG.

12. Highlights of the minutes of the 1993 Council meeting were presented by Secretary Palm. The complete minutes will be printed in Inoculum.

13. T. Griffiths provided information on IMC5, to be held 14-21 August, 1994 in Vancouver B.C. The call for abstracts will be in August or September. He urged all members to attend.


15. R. Roberson presented the following awards: E. Swann, C. Bachewich, best papers; E. Frieders, M. Malik, best posters; F. Lutzoni, L. Norvell, Graduate Fellowships; K. Seifert, Alexopoulos Prize; R.K. Benjamin, C.E. Bracker, Distinguished Mycologists.

16. J. Clausz presented the Weston Teaching Award to T. Leonard.

17. T. Baroni announced that the Smith Travel Award winner is J. Wright.

18. Thanks were given to the committees determining these
Mary and finally culminated in June of 1993 after numerous requests. At the beginning of the 1992 fiscal year, 1 August 1992, the New receipts and disbursements from the current Treasurer's assets were $1,557,2078. After several transfers of the former Treasurer's accounts, the books in the Colorado accounts were closed. Obviously, having two separate Treasurer's accounts allowed mycological advertising. 

1. BUSINESS TRANSACTED BY MAIL: 

a. Council polled on 21 October 1992 about 1) 1995 meeting in San Diego with (2) Michael Allen as local liaison, (3) $200 for Publicity Committee, (4) $4,000 for Mycology Editor-in-Chief computer equipment, and (5) allowing mycological advertising in the newsletter. All passed.

b. Council polled about providing an additional $200 for purchase of Treasurer's computer equipment. Passed unanimously.

c. Nomination Ballot prepared for Fall newsletter.

d. Request for agenda items for mid-year meeting sent to Council and others 4 January 1993.

e. Ballots and other materials mailed in early March to nearly 1,100 members. Thanks to the Special Education Class of High Point High School, Beltsville, MD, for folding materials and stuffing envelopes and to Natalie and Christopher Palm for help with placing stamps on envelopes.

f. Council polled 11 March 1993 requesting that MSA pay for travel and meeting costs for the Westinghouse Science Talent Search winner and for consideration of Drs. L. Holm, E. Parmasto, J. Poelt, and J. Wright for honorary member status. Request passed and all honorary member nominees approved.

g. Council polled 21 April 1993 requesting the temporary transfer of $800 from the General Endowment Fund to the Denison Fund in order to provide a fifth student travel award this year. Passed unanimously.

h. A request for Annual Reports and Agenda items was mailed to Council and others on 3 May 1993.

i. Materials for the 1993 Council meeting were mailed on 8 June to all members of the Council and agendas to all Committee Chairs and Representatives.

k. Responded to requests for membership information/applications, MSA pamphlets, financial aid information on growing mushrooms; requests for Careers booklets, the Careers Poster and MSA brochure were also included; requests for mailing labels - forwarded to NYBG; requests for updates of information on MSA for catalogs and directories.

2. General correspondence was carried out with AIBS, ASC, IUMS, and AAAS.

3. Responded to many telephone requests for information on membership status, Society business, mailing label requests, etc.

4. MID-YEAR EXECUTIVE COMMITTEE MEETING. The meeting was arranged by Secretary Palm and Vice-President Rossman and held in Beltsville, Maryland, on Saturday and Sunday, 6-7 February 1993. Minutes were written and distributed to the Council and will appear in the Fall Newsletter.

5. MEMBERSHIP SERVICES. Requested information regarding various membership services from Allen Press, the American Phytopathological Society, and Federation of American Societies for Experimental Biology. Prepared report for MSA Council meeting.

6. The MSA Manual of Operations was updated. Thanks to those who submitted revised or new material.

7. Notice was received of the deaths of Ralph E. Bennett, Vera Holubova-Jechova, H. Kern, Yosio Kobayasi, Brahma S. Mehrotra, Mildred K. Nobles, Lauritz W. Olson, Frank Seabury, Jr., and Leland Shanor.

Respectfully submitted,
Mary E. Palm, Secretary

Treasurer's Report
1 August 1992 - 15 June 1993

The 1991 financial activities of the Society were filed with the IRS in December of 1992 by the former Treasurer, Dr. Brent Reeves, Jr. The 1992 financial activities of the Society will be filed with the IRS by the current Treasurer in December of 1993.

The information in this report is subject to audit by another member of the MSA. The final report will be prepared when all checks for the 1992 Fiscal Year have cleared and the ledger and report are counter signed by another MSA member. Final accounting of the budgets of the President, the Secretary, the MSA Newsletter editor and the current Treasurer must be reconciled.

At the beginning of the 1992 fiscal year, 1 August 1992, the former Treasurer reported to the IRS that the Society's combined assets were $155,720.78. After several transfers of the Society's funds from the former Treasurer's accounts in Colorado to my accounts at Cortland, which started in September of 1992 and finally culminated in June of 1993 after numerous requests for those monies, the books in the Colorado accounts were finally closed. Obviously, having two separate Treasurer's accounts and having membership dues and other Society financial business being conducted by two separate individuals caused a number of difficulties. A complete audit of the books will be performed by an independent auditor before filing of the 1992 tax returns; however, the finances of the Society appear to be in good order. Please refer to additional comments at the end of this report.

New receipts and disbursements from the current Treasurer's Accounts from 10 September 1992 to 31 July 1993 were as follows: Receipts totaled $116,719.29, including $58,485.00 in membership dues, $4,859.76 interest, $8260.00 in sustaining memberships, $4,070.00 in t-shirt and auction sales (from the 1992 meetings), $2,272.50 in auction sales (from the 1993 meetings), $187.75 from Teaching slides, $6,250.00 in sales of Mycologia Index, $120.00 Alexopoulos Fund and contributions to the Endowment Funds totaling $28,565.00 which include $120.00 Memorial Fund, $55.00 Publication Fund, $215.00 General Fund, $9514.28 Travel Award Funds, $20,310.00 Research Award Funds (see attached ledger for details on these last two items).

Disbursements through 31 July 1993 totaled $108,498.34. These expenditures include: $19,110.00 for printing and mailing...
MYCOLOGIA, $843.42 for back issues, $72.00 for bank returned checks and service charges, $1,184.95 for Executive Council mid-year meeting, $400.00 to NYBG for mailing labels, $25.00 annual incorporation fee, $250.00 President's expenses (allocated), $2,000.00 in Secretary's expenses (allocated), $494.80 in current Treasurer's expenses, $137.27 former Treasurer's expenses, $10,000.00 Newsletter Editor expenses (allocated), $625.78 former Newsletter Editor's expenses (T. Hammill), $2,103.79 for notebook computer for Treasurer/Secretary use, $758.55 manuscript tracking software for Editor-in-Chief, $9,760.90 in additional 1992 Annual Meeting costs (Portland, Ore. - see attached ledger), $8,443.32 in 1993 Annual Meeting costs (see attached ledger), $838.00 for Smith Fund Awards, $1,446.56 for dues to other Societies (see attached ledger), $50,000 moved to a CD (see attached ledger).

Interest rates remain very low. None of our current accounts earn more than 4.85%, with the checking account as low as 2.75%. Nonetheless, the Society is in sound financial condition with receipts plus interest exceeding disbursements.

MEMBERSHIP – On June 15, 1993, the Society membership consisted of 1140 members: 817 regular members, 133 student members, 14 Honorary members, 51 emeritus members receiving the journal, 34 emeritus members receiving only the newsletter, 13 family members, 41 life members, 29 sustaining members, 8 associate members. During this period, 109 individuals or organizations applied for membership. A list of new applicants is attached. The Society experienced a net increase of 47 members over the last year. Continued recruitment is an essential activity of a healthy society, please renew your membership promptly each year and help recruit new members.

COMMENTS – The transfer of the Society’s funds from the former to the new Treasurer was not a smooth one, since this process took nearly 10 months. Additionally, because the former Treasurer continued to receive and cash membership checks and maintain an MSA account until June 1993, and was exceedingly slow about passing on information concerning dues payments, etc. to the new Treasurer, this situation caused an unfortunate amount of confusion about the status of memberships for numerous individuals of the Society as well as creating an inordinate amount of guess work and extra correspondence for me. I sincerely hope that most of these unnecessary problems have been straightened out now. Switching to a membership service operation would certainly eliminate this potential problem in the future.

I strongly suggest that dues notices be mailed separately from the journal this coming year. There were nearly 25% of our members who missed the January 1, 1993 deadline. Many individuals complained to me about not receiving a separate invoice for dues, apparently many people do not perceive bright yellow very well. In any case, a separate mailing would save a great deal of extra work and would most likely lower the anxiety level of a good portion of our membership.

I would like to congratulate both Van Cotter and George C. Carroll for their outstanding efforts in fund raising for the Society's Sustaining Memberships and Endowment Funds respectively. These two individuals worked very hard this year for the Society. Monies obtained from sustaining memberships and contributions are an essential part of our success in supporting new students in their mycological training. Please support sustaining members with purchases of their products when possible and please also consider donating to an MSA fund of your choosing this coming year. We need to have active membership involvement to remain a healthy and growing Society.

The Mycological Society of America is a Section 170(c) organization of the IRS Code of 1954 and is listed in the official IRS publication titled "List of Organizations (Department of Treasury, IRS Publication 78, Rev. 10-91). Contributions to the MSA are deductible for most individuals. Consult a tax specialist if you have any questions (PLEASE DO NOT CALL ME) or if you are considering donating a large sum to the Society.

Please feel free to contact me if you are experiencing any difficulty receiving Mycologia or the Inoculum. I will make every effort to correct any problems or inconsistencies with the handling of your membership.

Respectfully submitted,

Timothy J. Baroni, Treasurer

Financial Summary
Fiscal Year 1992
1 August 1992 – 15 June 1993

Cortland Accounts
1. Checking Account

Balance - 1 August 1992 $43,571.78
(from former Treasurer's Ledger)

Receipts:

Membership dues $58,485.00
Interest on checking & savings accounts 4,859.76
Sustaining Members 8,260.00
T-shirt and auction sales 1992 4,070.00
Auction sales 1993 2,272.50
T-shirt sales 1993 (final amts. not available) ***
Sales of MSA labels ***
Teaching slides 1992-1993 187.75
Alexopoulos Fund 120.00
Sales of Mycologia Index 6,250.00

Contributions to Endowment
Mensural Fund $120.00
Publication Fund $55.00
General Fund $215.00
Travel Funds $9,514.28
Research Funds
Backus 6,525.00
Martin-Baker 13,785.00

Contributions toward June 1993 MSA Symposia 2,000.00

TOTAL RECEIPTS FOR 1993 $116,719.29

Disbursements:

Mycologia (Vol 84, 1992) subscriptions $19,110.00
Regular subscriptions
Late and new subscriptions, requiring back issues 843.42
Bank-returned checks and service charges 72.00
Mid-year Officer’s planning meeting (travel & meals) 1,184.95
Mailing labels from NYBG 400.00
Annual incorporation fee (Washington, DC) 25.00
President’s expenses (allocation) 250.00
Secretary’s expenses (allocation) 2,000.00
Treasurer’s expenses 494.80
Former Treasurer’s expenses 137.27
MSA Newsletter Editor’s expenses (allocation) 10,000.00
Former Newsletter Editor expenses 629.78
Notebook computer Treas./Secretary 2,103.79
Software – manuscript tracking for Editor, Mycologia 758.55

Meeting expenses for 1992
Student presentation awards 400.00
Student travel awards 800.00
Other fellowships & awards 2,350.00
Symposium expenses 5,545.90
T-shirt expenses 665.00

TOTAL MEETING EXPENSES (1992) 9,760.90
Meeting expenses for 1993
Annual Lecturer –
  Paul Lemke 200.00
Program printing 458.00
Student presentation awards 400.00
Student travel awards 500.00
Other fellowships & awards 2,516.57
Symposium expenses 3,084.50
T-shirt expenses 606.00
MSA Social (in part) 120.00
Sponsored student presentation –
  E. Pine 531.25
TOTAL MEETING EXPENSES (1993) 8,443.32

Smith Fund Awards for 1992 (Ginns & Tulloss) 883.00
Dues to other Societies:
  AIBS 360.00
  IUBS 386.56
  Internat. Mycol. Assoc. 400.00
  Assoc. of Syst. Coll. 100.00
TOTAL DUES PAID (1993) 1,446.56

Monies moved to new CD account (0082047120) 50,000.00
TOTAL DISBURSEMENTS FOR 1992-1993 $108,498.34

NET ASSETS IN Cortland CHECKING ACCOUNT $51,792.73

Cortland Accounts
  2. Certificates of Deposit

BALANCE (15 June 1992)
CD #65-46692, Cortland Savings Bank $102,038.00
CD #0082047120, Citizen’s Savings Bank $50,000.00

ITEMIZATION OF FUNDS
Operational Funds (includes part of checking and CD accounts)
  1. Reserve Funds (Restricted)
    Balance, 1 August 1992 $54,909.98
    Receipts:
      Sustaining Member Dues 7,760.00
      Total assets: 62,669.98
      Disbursements: 0.00
      Net 62,669.98
      Interest 2,440.00
      Balance, 15 June 1993 $65,109.98

  2. Life Membership Fund (Unrestricted)
    Balance, 1 August 1992 $15,989.00
    Receipts: 1,000.00
    Disbursements: 0.00
    Net 16,989.00
    Interest 683.00
    Balance, 15 June 1993 $17,672.00

  3. Alexopoulos Fund (Restricted)
    Balance, 1 August 1992 $8,501.76
    Receipts: 120.00
    Disbursements:
      1992 Alexopoulos Award - G. Mueller 350.00
      Net 8,271.26
      Interest 341.00
      Balance, 15 June 1993 $8,612.26

  4. Smith Fund (Restricted)
    Balance, 1 August 1992 $16,491.40
    Receipts: 0.00
    Disbursements:

Endowment Funds
  1. Memorial Fund (Restricted)
    Balance, 1 August 1992 $2,458.67
    Receipts: 120.00
    Disbursements: 0.00
    Net 2,578.67
    Interest 100.00
    Balance, 15 June 1993 2,678.67

Publication Fund (Unrestricted)
  Balance, 1 August 1992 $15,896.07
  Receipts:
    Mycologia Memoirs sales 0.00
    Guidebook sales 0.00
    Contributions 0.00
    Mycologia Index sales 6,250.00
  Disbursements:
    Mailing costs 139.00
    Net 22,007.07
    Interest 224.97
    Balance, 15 June 1993 22,232.04

  3. General Fund (Restricted)
    Balance, 1 August 1992 $15,540.11
    Receipts:
      Auction and t-shirt sales 4,070.00
      Contributions 55.00
    Disbursements:
      T-shirt production costs 665.00
      Net 19,000.11
      Interest 732.00
      Balance, 15 June 1993 19,732.11

  4. Travel Funds (established 1992)
    Receipts:
      C.J. Alexopoulos $500.00
      H.E. Bigelow $4,275.00
      E.S. Luttrell $2,050.00
      E.E. Butler $1,289.28
      W.C. Denison $1,400.00
    Balance, 15 June 1993 $9,514.28

  5. Research Funds (established 1992)
    Receipts:
      M.P. Backus $6,525.00
      Martin-Baker $13,785.00
    Balance, 15 June 1993 $20,310.00

FINANCIAL SUMMARY OF MSA ASSETS
Certificates of deposit in Cortland Accounts, 31 July 1993 $152,038.00
Checking Account 31 July 1993 $51,792.73
TOTAL ASSETS IN CORTLAND ACCOUNTS, 31 July 1993 $203,830.73
Total assets as of 1 August 1992 $155,720.78
NET CHANGE IN ASSETS $48,109.95
Membership Services

The idea of hiring a group to provide some membership services for MSA has been discussed for several years. Some of the reasons for taking this step are:

- Reduction in time needed for Treasurer and Secretary to carry out their responsibilities effectively. This can be a full-time job at times, which is no longer a realistic expectation.
- Desire for ability to charge memberships on credit cards. This is especially critical for foreign members.
- The benefit of having a permanent address for inquiries, rather than the person and address changing every three years. This would eliminate many unnecessary calls. This would provide consistency and increase our image as a professionally run Society.
- Reduction in overlap between files maintained by Treasurer, Secretary, and NYBG.
- The need for overlap between files maintained by Treasurer, Secretary, and NYBG.
- Need for overlap between files maintained by Treasurer, Secretary, and NYBG.

Three different groups were approached about membership services, including Allen Press (AP), the Federation of American Societies for Experimental Biology (FASEB), and the American Phytopathological Society (APS). I received proposals from AP and FASEB. APS indicated an interest but wants an MSA representative to meet with them at their headquarters in order to determine feasibility and cost. Estimates of per member cost are based on a membership of 1100 persons.

We as a Society need to decide which of the services that MSA elected officers currently provide (especially those of the Secretary and Treasurer) should continue to be done on a volunteer (elected) basis or should be done by a commercial group for a fee. FASEB is prepared to manage all aspects of MSA for approximately $15.00/member/year or possibly as little as $10.00/member/year. AP will provide many of the services we need, membership and some routine correspondence for $6.80/member/year. It is my opinion that the services that AP provides would remove much of the very time-consuming and mundane activities of the Secretary and Treasurer. This would be beneficial in allowing those officers to concentrate on more important Society matters. Additionally, it would provide a permanent, unique contact point for persons with questions. FASEB would accomplish the same goals as well as performing most of the current duties of the Secretary, Treasurer, and NYBG.

Although I have no figures from APS, I believe that they could provide any or all of the above services at a fee similar to FASEB.

Mary E. Palm, Secretary

Vice President’s Report on 1993 MSA Elections

Following are the results of the 199 MSA election. I enlisted the assistance of Francis A. “Bud” Uecker and Hilisa Bartolome, both of the Systematic Botany and Mycology Laboratory, to tally the count of the 278 ballots received. In all cases the election was close. We are fortunate to have such highly qualified, interested candidates.

I have written to all candidates concerning the outcome of the election and will ask Meredith to send an appropriately inspiring letter to them also.

Vice President

Donald H. Pfister

Councilors

Cell Biology/Physiology Richard J. Howard
Genetics/Molecular Biology Georgiana May
Systematics/Morphology Gregory M. Mueller

There were no other issues on the ballot.

Amy Y. Rossman, Vice President

Past President (1991)

I continued as liaison to the Botanical Society of America on their project “Botany for the Next Millennium.” On May 2, 1993, I submitted a preliminary summary report based on replies to a questionnaire circulated to 70 MSA members. The report, as revised by MSA committee members, will be presented at the annual council meeting for discussion.

I have also continued to mail out promotional fliers to potential new MSA members.

Martha Powell, Past President, MSA

MSA Publications

Editor’s Report

Mycologia, Volume 85

This report covers the period June 30, 1992 - June 15, 1993.

I. Manuscripts

Number carried over from 1991-92 82
Number received 138
Total 220
Accepted or published 107
Rejected 25
Withdrawn 6
On hand, pending final action (in review process or under revision by author) 82
Total 220

Volume 85:
Numbers 1-2 published; No. 4 in press; No. 5 nearly filled.

II. Editorial Board

Terms of three members, James Anderson, Richard Koske, and John Taylor expire at the end of this calendar year. Two Board members wished to be considered for a second term. The Editorial Board was polled for names of replacements and an election held. The following are nominated to serve five-year terms and all have agreed to serve if confirmed by Council: James Anderson (2nd term), John Taylor (2nd term), and John Zak (1st term).

III. Associate Editor System & Editorial Board Reorganization

The following policy was approved by vote of the Editorial Board. A clear consensus is lacking on whether the Editorial Advisory Committee members should be permitted to run for re-election, but the Board tended to favor this option. Council approval of the plan is requested.

1. The Editorial Board will consist of two groups: Associate Editors and Editorial Advisory Committee. The Associate Editors will handle manuscript reviews and revisions and advise the Ed-
itor on their acceptance or rejection with the final decision to be made by the Editor. The Editorial Advisory Committee will be responsible for policy decisions and promoting the development of their research fields within the journal.

2. Associate Editors will be appointed by the Editor, subject to Council approval, for two year terms with renewal for up to six years (two reappointments).

3. The number of Associate Editors will be determined by the Editor with up to a maximum of 12 Associate Editors. The decision on the number of Associate Editors will be left to the Editor. During the transition to an Associated Editor system, Associate Editors may also be Advisory Committee members. Appointment of Associate Editors in the last year of an editor's term will be made in consultation with the incoming editor.

4. The Editor-in-Chief will receive and send out all manuscripts to Associate Editors and manage details of the editorial process including the manuscript tracking system and the reviewer files. Associate editors will request reviews, manage revisions, and advise the Editor on acceptance or rejection of manuscripts. Associate Editors will provide manuscripts that have been copyedited for the Press to the Editor who will make the final decision on acceptance or rejection. The Editor will also check manuscripts for submission to the Press and handle revisions if needed at this stage.

5. The Editorial Advisory Committee will consist of five members. Each member will represent a different field but exact fields will not be specified. Advisory Committee members will serve five year staggered terms and will be eligible for re-election to a second term. As terms of the present Editorial Board members expire one new Board member will be elected each year.

IV. Implementation of Associate Editor System

Five or six members of the Editorial Board have agreed to serve as Associate Editors. Before the Associate Editor system can be implemented, modernization of the editorial office needs to be completed, and directions for the Associate Editors need to be put into writing, especially the policy on how a manuscript is to be finally accepted or rejected. The Associate Editor system should be implementable by late summer. Council approval is requested for the Associate Editors.

V. Journal Modernization

The ad hoc Committee on Journal Modernization (R. Humber, chair; G. Samuels; P. Szaniszlo) considered redesigned articles on 8-1/2 x 11" page in several type faces provided by Allen Press. These and the cover were modified further by R. Humber and copies produced for circulation to the Editorial Board. Copies of the designs approved by the Editorial Board are being prepared by Allen Press. Special thanks are owed Richard Humber for taking on this time consuming task and for providing samples for the Board. The change to the new format will begin with Volume 86.

Articles in Volume 85 are being grouped by subject with the Editor assigning papers to subject areas.

VI. Editorial Office

Software for a new manuscript tracking system and reviewer files have been purchased. A new computer is on order. The old computer, an IBM XT without monitor, will be available for other use in the Society this fall.

VII. Council is reminded that a new Editor will be needed in about two years.

David J. McLaughlin, Editor-in-Chief

Review Editor, Mycologia

Following up on suggestions from the Editorial Board, as well as some additional suggestions from MSA members and my own ideas, I have contracted with the following individuals to prepare nine mini-reviews for Mycologia (title and dates for manuscript completion suggested by the authors are indicated):

<table>
<thead>
<tr>
<th>Author</th>
<th>Title and Dates for Manuscript Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Young Kwon and Sam Wells</td>
<td>Conidial microscopy, January 1993</td>
</tr>
<tr>
<td>George Carroll</td>
<td>Tree endophytes, June 1993</td>
</tr>
<tr>
<td>Howard J. Arnett</td>
<td>Fungal crystals, June 1993</td>
</tr>
<tr>
<td>R. L. Peterson</td>
<td>The process of root colonization by mycorrhizal fungi, early summer 1993</td>
</tr>
<tr>
<td>Robert Üllrich</td>
<td>Mating types in Basidiomycetes, summer 1993</td>
</tr>
<tr>
<td>Robert Robertson</td>
<td>Hyphal tip growth, summer 1993</td>
</tr>
<tr>
<td>Richard Summerbell</td>
<td>Fungi involved in AIDS, November 1993</td>
</tr>
<tr>
<td>Michael Miller</td>
<td>Mycorrhizae and restoration ecology, mid-1994</td>
</tr>
<tr>
<td>Jack Rogers, Keith Seifert</td>
<td></td>
</tr>
</tbody>
</table>

I have approached several additional people who declined the offer; I am hopeful that two of these, Scott Redhead and Roy Halling who could not schedule the project in 1992-1993, will agree to prepare a review on Biogeography of Fungi in the coming year. I also received one manuscript which was reviewed and then returned to the author because it duplicated material to be published in much the same form elsewhere.

Once completed, a manuscript is to be reviewed by one member of the Editorial Board and one other individual, with the goal of getting a review from a general reader and another from a specialist familiar with the research area. I will edit the manuscript, advise the author, and serve as an intermediary between the author and the Editor-in-Chief. Certainly the biggest challenge confronting the Review Editor is in acquiring a finished manuscript from the authors. While the willingness of so many to agree to prepare a manuscript has been encouraging, the unanticipated and unproductive correspondence that has been required as deadlines are set, pass, and are then must be re-set has been a burden. I issue a heartfelt request to authors to set realistic deadlines and honor them!

Potential authors should note that reviews to be published in Mycologia must be original, i.e., not published elsewhere.

Your ideas for Mycologia reviews and reviewers are strongly solicited.

Linda M. Kohn, Review Editor


Publishing Activity:
During FY 1993, Mycologia was published as issue nos. 84(4), 84(5), 84(6), 85(1), and 85(2). 353 Units of the Mucologia Index, published in September 1991, have been sold as of 17 May 1993.

Circulation:

<table>
<thead>
<tr>
<th>Issue</th>
<th>Subscribers</th>
<th>Comps.</th>
<th>Exchanges</th>
<th>Members</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>84(4)</td>
<td>1078</td>
<td>17</td>
<td>99</td>
<td>1078</td>
<td>2317</td>
</tr>
<tr>
<td>84(5)</td>
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<td>20</td>
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<td>1077</td>
<td>2333</td>
</tr>
<tr>
<td>84(6)</td>
<td>1114</td>
<td>21</td>
<td>97</td>
<td>1081</td>
<td>2352</td>
</tr>
<tr>
<td>85(1)</td>
<td>942</td>
<td>9</td>
<td>95</td>
<td>939</td>
<td>2027</td>
</tr>
<tr>
<td>85(2)</td>
<td>994</td>
<td>12</td>
<td>95</td>
<td>1053</td>
<td>2206</td>
</tr>
</tbody>
</table>

Marketing and Promotion FY 1993:

- Mycologia was included in the NYBG publications catalogue, published in August 1992, and was displayed at the 1992 AIBS meeting in Hawaii.
Finances:

An audited Financial Report for FY 1991-92 was published in Mycologia 83(2). The New York Botanical Garden operates on a 1 July–30 June fiscal year and so only a preliminary fiscal accounting is possible at this date.

The unaudited budget figures as of 30 April 1993 suggest that Mycologia is sound (figures available on request) with one more issue to be produced this fiscal year.

The proposed FY 1994 budget has recently been submitted to the NYBG Budget Office for review and approval. It is virtually the same as the FY 1993 budget and will remain so unless some of the costs created by the expected changes to Mycologia result in additional costs.

Roy E. Halling, Managing Editor

Mycologia Index Sales

Listed below is a summary of the Mycologia Index, Volumes 59-80, 1967-1988, sales figures compiled from July 1, 1992, through May 17, 1993:

<table>
<thead>
<tr>
<th>Category</th>
<th>US</th>
<th>Foreign</th>
<th>Sales ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSA Members (@$50.00*)</td>
<td>3</td>
<td>3</td>
<td>300.00</td>
</tr>
<tr>
<td>Institutional (@$70.00*)</td>
<td>7</td>
<td>12</td>
<td>1,330.00</td>
</tr>
<tr>
<td>Agents (@$70.00*)</td>
<td>10</td>
<td>—</td>
<td>700.00</td>
</tr>
<tr>
<td>Non-MSA individuals (@ $70.00*)</td>
<td>—</td>
<td>1</td>
<td>70.00</td>
</tr>
</tbody>
</table>

* Amounts due to the Mycological Society of America per agreement with Maria Lebrón and Mary Palm.

To date, 353 units have been sold.

Sandi Frank, Manager, Scientific Publications Dept., The New York Botanical Garden

[Note from Mary Palm, 2 June 1993 — The sale of 36 copies since 1 July 1992 brings the total copies sold to 53 and total money received by the Mycological Society of America to $18,820.00. Of the 353 sold, 212 copies were to MSA members. In order to increase sales to institutions, of which there are over 1000 subscribers, an advertising campaign was devised by myself and Sandi Frank. Institutions that have not purchased copies will receive and advertisement and order form. A special offer of this Index as well as the Index to Vols. 1-58, of which 239 remain, will be made.]

Inoculum (MSA Newsletter)

1992-1993

Several new policies were established for Inoculum in the 1992-93 year: It was agreed that short biographies of deceased mycologists would be included in the newsletter (and that such biographies would not be restricted only to members of MSA). It was also agreed, with approval of Council, that the newsletter would accept paid advertising of general interest to the mycological community served by the newsletter; postal regulations prohibit bulk-mailings by nonprofit organizations from including advertisements for banks or other financial services, or travel services.

After consultation with the Treasurer, it was decided that all issues of Inoculum should be sent to new members in the year in which they join the MSA, but that back issues for the year in which late renewals of MSA members are received will not be sent.

The change-over to the roughly quarterly publication schedule for the newsletter caused many problems in January 1993 because of the many ongoing changes in the mailing list as late renewals and new memberships trickled in. These late renewals and new memberships not only required mailing of a large number of issues of the January newsletter by first class mail to domestic and foreign recipients, but also forced a supplemental printing of 50 copies of the January number. All told, the 1st class postage paid for mailing of copies of Inoculum outside of the regular bulk mailings has come to a total of approximately $180 since I took charge of the newsletter; the majority of this was expended in the non-bulk mailings of copies of the January 1993 number of Inoculum. The undesirable logistics and expenses of handling such distributions of the newsletter outside of the normal bulk mailing led the newsletter Editor and Treasurer to suggest to Council that the date for receiving membership renewals be moved forward; this suggestion was discussed and adopted by Council at the time of the mid-year meeting of the Executive Board.

The breakdown for the expenses of producing and distributing Inoculum are running ahead of what had been anticipated, although there is no question that the total number of pages and comparatively high density of information on those pages have increased dramatically in comparison to previous versions of the newsletter. The Council should consider whether it wishes the newsletter to continue in the manner set of the two issues distributed in 1992 and two (to date) in 1993 or to begin to scale back on coverage of news and items not so directly tied to MSA business. In any event, it might be necessary for the Council to authorize an additional appropriation of up to $2500 if the remaining two newsletters for 1993 are to be comparable in the pagination and contents that are currently anticipated, and to consider increasing the annual appropriation for newsletter expenses to a maximum of $12500.

It could be advantageous to the Mycological Society of America to establish a list of other professional societies focusing on the biological sciences and at least several major amateur mycological societies and clubs in North America with whom newsletters might be exchanged on a pro bono basis. This could serve...
not only to publicize the MSA and its various interests and activities and to give mycology a greater voice in national forums dealing with biological issues, but would provide further sources for information of concern and interest to the MSA membership. Such a listing was discussed in principle with Amy Rossman.

The positive reaction from the membership about the appearance and contents of the newsletter has been gratifying but does not lighten the overall (and unassisted) burden on the editor’s time in preparing them. It is not surprising in view of the number and lateness of the hours during which the editor has labored on this newsletter — nor, however, is it excusable — that a number of serious errors have evaded correction to appear in print. Sincere and highly embarrassed apologies are extended to all who may have been directly affected by these errors. Some of these errors might be eliminated and the general work load spread if the assembly and correction of material included in the MSA newsletter were distributed among a small group of editors rather than concentrated in a single editor. There are both advantages and disadvantages to such an approach to the production of the newsletter; guidance of the Council is sought regarding this potential change in the process of assembling the MSA newsletters.

MSA Newsletter Finances (1 Sept. 1992–31 May 1993)

Interest-bearing checking account
(Citizens Savings Bank; Ithaca, NY)

Balance, 1 September 1992  [$ 5537.40]

EXPENSES

Vol. 43(1-3), June 1992  911.75
Foreign postage/labor (late-cleaning check)  911.75
Vol. 43(4), October 1992  3447.57
[1200 copies; 58 pages]
Printing/envelopes/stuff & label  2313.57
Foreign postage  859.29
Labor  72.00
Bulk mailing to US addresses  202.71
Vol. 44(1), January 1993  2187.46
[1250 copies; 30 pages]
Printing/envelopes/stuffing/labelling  1390.96
Foreign postage  590.97
Labor  64.00
Bulk mailing to US addresses  141.53
Vol. 44(2), April 1993  4630.60
[1200 copies; 80 pages]
Printing/envelopes/stuffing/labelling  3178.76
Foreign postage and labor  1193.16
Bulk mailing to US addresses  258.68
Miscellaneous expenses  540.23

Class-postage  146.80
Bank service charges  26.69
US Postal Service, annual renewal fee for bulk mail permit  75.00
US Postal Service (unused residue in bulk mailing account)  241.74
Cash withdrawal for miscellaneous postage, etc.  50.00

INCOME

MSA appropriation (1/21/93)  10,000.00
Interest on checking account  111.14
Advertisement  25.00

Checking account balance, 31 May 1993:  3955.93
Cash on hand  17.23
Credit in USPS bulk mailing account  241.74
Balance of inoculum assets, 31 May 1993:  $ 4214.90

Richard A. Humber, Editor

Mycologia Memorials Committee

During the past year memorials have been published for E. Silver Dowding and Kenneth A. Harrison. Memorials are in preparation for Edith Cash, William Bridge Cooke, Ross Davidson, Bernard Lowy, and have been requested for Mildred K. Nobles, Lauritz Olson, and John Tuite. The Memorial Committee has been notified of the death of Leland Shanor for whom a memorial is needed.

David J. McLaughlin, Chair

Mycologia Memoirs Board of Editors

An agreement between Drs. J. Ginns and M.N.L. Lefebvre, MSA and the APS Press has been signed for the publication of a corticoid fungus monograph. Ms. R. Deng has submitted a manuscript for evaluation describing the fungi of China studied by Dr. S.C. Teng. Once the review process has been completed, the Board will reach its decision regarding this manuscript.

The Board Members have begun discussions concerning the use of new media for publishing contributions such as CD-ROM. New acquisition processes for new manuscripts are being explored.

Michael R. McGinnis, Chair

Publications Committee

As a whole, the Publications Committee was not confronted with any major decisions or matters to consider during the ten months since our 1992 meeting. Changes to the journal and the newsletter considered the previous year have proceeded and are being implemented.

At the Portland meeting the Committee Chair and the Chair of the Mycologia Memoirs Committee (Jim Ginns) met with Miles Wimer and Steven Slack of APS Press to discuss some concerns with regard to having APS Press publish the Memoirs series. These concerns were satisfactorily resolved and processing of the next Memoir by APS Press was begun. Gail Schumann of APS was designated the Associate Editor to handle the Memoirs manuscripts. Several telephone conversations were held with Dr. Schumann to resolve various matters that arose during the review process as the manuscript moved through the APS procedures. All matters appear to have been worked out, and this should smooth the way for future Memoirs.

One matter which the Publications Committee did not consider that is included in the outline of Committee responsibilities is the Mycologia Guidebook. This matter has been under review for some time, most recently by Joe Ammirati, although I do not know what conclusions he reached. I believe he conducted a survey on the Guidebook, but I do not recall seeing the results.

Following are some thoughts on the Guidebook. Since these were not presented to the Committee, they must be regarded as reflecting only my personal views.

An informal survey of a number of our younger members in attendance at the Portland meeting indicated that few refer to the Guidebook, and several were unfamiliar with it. This suggests that either we are not using it or we are not making our students aware of its value as a reference. It is probably most useful to younger professionals, since we become familiar with much of what it contains through experience. It also is very useful to non-mycologists who need to work with fungi or want to include them in a course.

In the list of Publications Committee duties I was given, it states that the Committee should “coordinate and facilitate the publication of individual works to replace outdated information
in sections of the Guidebook. This indicates that Council has made the decision to abandon the one-volume format of the present Guidebook and replace it with a series of individual references, such as that by Mel Fuller on aquatic fungi. If this is true, I was not aware that such a decision had been made.

I believe there is a need for an updated version of the present Guidebook, complete in one volume, with the objective being to provide materials and techniques for studying representatives of the major taxonomic groups, as well as areas such as genetics and ecology. In addition to being a useful source of information concerning working with fungi, if it is published by the Society, as I believe it should be, it will also serve to advertise the Society to all who use or see it.

A single volume reference is quite different in scope and content from the type of work Fuller published for the aquatic fungi, in which detailed, illustrated information was provided for numerous individual species. Both types of publications are useful, but I consider them complementary rather than competitive. The more detailed treatments appeal more to the researcher or to advanced studies with fungi; they also take longer to prepare and are more costly, and I believe it would be more difficult to organize their production.

If the present Guidebook is to be revised, it will need to be a multiple-author work prepared under an editor/author, as is commonly done now. Few workers can spend the time required to write materials for such a reference without receiving credit for a publication, as was done with the original Guidebook. Council needs to decide whether to proceed with revision of the Guidebook, the form it should take, and then seek an editor who will undertake the project. To continue to debate this annually achieves nothing; if the project is not considered worthwhile, it should be forgotten.

Richard T. Hanlin, Chair

[Editor's note: The Council wished it to be known that the indexed second printing of the Mycological Guidebook is still available (University of Washington Press, ISBN 0-295-95841-3; $50.00), and that Council will not actively pursue the preparation of a new edition of the Guidebook.]

MSA Committees

Endowment Committee

Between June 1, 1992 and June 1, 1993 the MSA endowment has received 100 contributions in support of the following endowed funds:

<table>
<thead>
<tr>
<th>Fund</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alexopoulos Travel Fund</td>
<td>$500.00</td>
</tr>
<tr>
<td>Backus Graduate Research</td>
<td>6525.00</td>
</tr>
<tr>
<td>Bigelow Travel Fund</td>
<td>1275.00</td>
</tr>
<tr>
<td>Butler Travel Fund</td>
<td>1289.28</td>
</tr>
<tr>
<td>Denison Travel Fund</td>
<td>1400.00</td>
</tr>
<tr>
<td>Luttrell Travel Fund</td>
<td>50.00</td>
</tr>
<tr>
<td>Martin Baker Fund</td>
<td>12,425.00</td>
</tr>
<tr>
<td>General uncommitted</td>
<td>215.00</td>
</tr>
<tr>
<td><strong>GRAND TOTAL</strong></td>
<td><strong>$23679.28</strong></td>
</tr>
</tbody>
</table>

This total does not include miscellaneous small contributions made to the Memorial Fund which were sent directly to Tim Baroni or contributions to the Smith and Alexopoulos Prize Funds. It also does not include $1500 transferred from the Smith Fund to the Bigelow Travel Fund at the request of the donor Margaret Barr-Bigelow (pending communication with a representative of the Smith family). Notes of thanks have been sent to all donors. It should be mentioned that a substantial fraction (over $19,000) has been raised largely through the efforts of June Wang, Martha Christensen, and their respective small committees. The endowment committee will continue to solicit money for the above subfunds as well as others currently under consideration.

In addition to the contributions noted above, the auction and T-shirt sales at the 1992 meetings in Portland netted almost $3600 for the general uncommitted endowment. We hope the auction at this year's meeting will do even better.

As a result of council action between September 1, 1992 and May 1, 1993 money has been transferred from the general uncommitted endowment to several travel funds so that 5 Mentor Travel Awards of $100 each could be made to graduate students for the 1993 meetings in Georgia. The awards were decided by an ad hoc committee at the University of Florida composed of Henry Aldrich, Gerald Benny, and Jim Kimbrough [whose report appears separately].

Looking now to the future, the endowment committee wishes to strongly support the recommendations and bylaw changes put forth by the finance committee (Henry Aldrich, chair). These recommendations propose that all the society endowment funds be put into a separate account to be administered by the endowment committee, who will keep the necessary records. There is much to recommend this. We could invest endowment funds more aggressively than general society funds and perhaps secure a 7% return annually. Further, it would obviate the necessity for continual transfer of checks and records between the endowment chair and the treasurer. We are particularly concerned that the endowed funds, as currently invested, are not earning even the 5% targeted as the payout level for endowed awards.

The endowment committee also wishes to put forth the following specific recommendations:

1. The society transfer $3475 from general uncommitted funds to the Myron Backus Graduate Research Fund, thus fully vesting the fund and guaranteeing that an award will be made in 1994. The society has in hand annual pledges of $250/yr for the lives of the donors; these are contingent however on guarantees that an award will be made.

2. The society guarantee that a first award of $1000 from the Martin/Baker Fund be made in 1994 and further state its intention to fully vest the subfund with money from the uncommitted endowment when the sum of total contributions reaches $15000.

3. The committee be enlarged to include up to 8 members, each member to be charged with a particular task or area of fundraising, e.g., wills/bequests, auction/T-shirt sales, new subfund development, liaison with awards committee, publicity, fund management. New members will be appointed to the committee by MSA president on the recommendation of the Endowment Chair. It will be understood that committee members who conspicuously fail to deal with appointed tasks will be asked to resign from the committee.

The Finance Committee has recommended that the endowment fund be managed by a Board of Trustees consisting of five members. The endowment committee would like clarification on this issue. Does the Board of Trustees = the Endowment Committee? If not, how will the two bodies interact? Is the Chair of the Endowment Committee automatically the Chair of the Board of Trustees? Council should discuss alternative proposals - for
example, that there be three endowment trustees, a subset of the members of the endowment committee consisting of the Chair, the Fund Manager, and the person involved with wills and bequests.

George Carroll, Chair

Finance Committee

President Blackwell asked the Finance Committee to examine the MSA Endowment in its current form and to work with George Carroll to develop a proposal to change its structure to accommodate the research and other awards recently established and to give the Endowment an oversight committee responsible for guiding its investments and expenditures. We attempted to do this in line with discussions at the 1992 Council meeting in Portland.

First, the chair gathered detailed information on the American Phytopathology Society Foundation and on the Endowment of the Phytopathological Society of America. Dr. Frank Howard and the late Dr. Robert Hoshaw were very helpful in providing information on the organization and functioning of these two models. The Phytopathology Foundation was beyond our present capacities since it depended on having a permanent national headquarters with full-time paid staff. The Phyological Society model was more suited to our situation, and large portions of its bylaws were incorporated into our proposed revision.

We are proposing to make the foundation categories more general, so that new subfunds may be added without bylaws revisions being required. Bylaws changes will be necessary in Article 13. A Board of Trustees is proposed to attempt to improve the yields on the endowment investments and to make more funds available for the various categories of awards. The Board would take a more active role in soliciting contributions, bequests, and fundraising events for the same reasons. The Board would interact with and report directly to the MSA Council. We also recommend that the president initiate a complete bylaws examination/revision to check for sexist language or other outdated sections and to incorporate our proposed revision of Article 13. The entire body of bylaws should be made internally consistent.

Henry Aldrich, Chair

MSA Endowment Fund Contributors

Between 1 June 1992 and 1 June 1993 MSA received 100 contributions totaling some $23,780 to various endowed funds (see the above report for details). Some donors contributed to more than one fund or to the same fund twice. Individual contributions ranged from $10 to $3000, and more than half came from non-MSA members. Donors are listed below. The endowment committee wishes to add public acknowledgment to previously expressed private thanks. We are not a society of millionaires. Our main hope for expanding the MSA endowment to cover numerous existing needs lies with individuals who may contribute moderate sums annually on a continuing basis. We urge you to send in your contribution today. If you would like to start another graduate travel fund in honor of a recently retired or deceased mycologist, please contact Charles Mims at the University of Georgia [FAX: (706) 542-1291; Phone (706): 542-0624; e-Mail: pathathuga].

Alexopoulos Graduate Travel Fund

<table>
<thead>
<tr>
<th>Name</th>
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<td>William Sorensen</td>
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<td>Ralph Gustafson</td>
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Bigelow Graduate Travel Fund

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<td>Tim Baroni</td>
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<td>Margaret Barr Bigelow</td>
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Butler Graduate Travel Fund

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Denison Graduate Travel Fund

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<td>John Haines</td>
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Luttrell Graduate Travel Fund

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<tr>
<td>Mary Palm</td>
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Backus Graduate Travel Fund

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<td>Edward Backus</td>
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<tr>
<td>Bristol-Meyers Squibb Inc.</td>
<td>Philip A. Orpurt</td>
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<tr>
<td>Mrs. O. H. Calvert</td>
<td>Philip N. C.</td>
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<tr>
<td>Martha Christensen</td>
<td>Janet Phelps</td>
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<td>G.T. Cowley</td>
<td>C. Gardner Shaw</td>
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<td>Richard Elander</td>
<td>Polly Smith</td>
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<td>Marka Hemphill</td>
<td>G.F. Templeton</td>
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<td>Clifford Hesseltine</td>
<td>The Upjohn Company, Inc.</td>
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<td>Allan A. Ichida</td>
<td>Peter/Pamela Tsao</td>
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<td>Daniel Mahoney</td>
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Martin/Baker Faculty Research Fund

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<td>Gladys Baker</td>
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<td>Paul Dunn</td>
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<td>Marie Farr</td>
<td>Patricia K. Putnam</td>
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<td>Hiram L. Fong</td>
<td>Clark Rogerson</td>
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<td>Ruth Frederich</td>
<td>Herbert Roth</td>
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<td>Jasper Garner</td>
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<td>Derral Herbst</td>
<td>Norma Smith</td>
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<td>Diana G. Horton</td>
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<td>Frank Howard</td>
<td>Martin Stoner</td>
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<tr>
<td>Jacqueline Jacobson</td>
<td>Ewell Stowell</td>
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<td>Mary Coker Jadin</td>
<td>L.D./S. Swindale</td>
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<td>Noel P. Kefford</td>
<td>Robert Thorne</td>
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<td>Harold Keller</td>
<td>Alice Wald</td>
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<td>Lorene Kennedy</td>
<td>June Wang</td>
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<tr>
<td>Beatrice Krauss</td>
<td>Arthur Weidlon</td>
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<tr>
<td>Charles Lamoureux</td>
<td>Kenneth/Elino Wells</td>
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<tr>
<td>Benny Lee</td>
<td>Marion Williams</td>
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<tr>
<td>Hope Lee</td>
<td>Chin Yang</td>
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<td>Paul Lentz</td>
<td>Anne Yee</td>
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Unrestricted contributions

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<td>Paul Lentz</td>
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<tr>
<td>N. Nakamura</td>
<td>J.D. Rudolph</td>
</tr>
<tr>
<td>J. Silver</td>
<td>S.I. Udagawa</td>
</tr>
</tbody>
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Thanks to these contributors! We all need to work together for the Endowment to grow ... PLEASE HELP!
1993 MSA Mentor Travel Awards

President Blackwell asked me to solicit and judge applications for the Mentor Travel Awards again this year. The program differed from last year in that in 1992 one-time contributions of $100 were solicited to try the program. Because of last year’s success, efforts were made through the Newsletter and other channels to establish accounts of $2000 each in the endowment, the interest of which would fund Mentor awards of $100 annually. As of May 15, 1993, contributions had accumulated sufficient for 5 awards in honor of E.S. Luttrell, Howard Bigelow (2 awards), Edward Butler, and William Denison.

Student applications were solicited through the spring newsletter. Twelve applications were received. Gerald Benny, James Kimbrough, and I screened and ranked the applications. Since there was to be a less than 50% success rate, we gave preference to graduating students. The society membership really needs to be encouraged to contribute to this category of the endowment. These awards have a lot of impact for the few dollars involved.

The following awards were recommended for 1993:

<table>
<thead>
<tr>
<th>Student</th>
<th>University / Advisor</th>
<th>In honor of:</th>
</tr>
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<tbody>
<tr>
<td>Bier, James</td>
<td>Indiana Univ. / K. Clay</td>
<td>E.S. Luttrell</td>
</tr>
<tr>
<td>Curthone, Ignazio</td>
<td>Univ. of Toronto / L. Kohn</td>
<td>H. Bigelow</td>
</tr>
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<td>Samuel Hammer</td>
<td>Harvard / D. Pfister</td>
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<tr>
<td>Scott LaGreca</td>
<td>Duke / W. Culberson</td>
<td>E. E. Butler</td>
</tr>
<tr>
<td>Sharyn Rusk</td>
<td>N. Colorado Univ. / S. Lee</td>
<td>W. Denison</td>
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</table>

Henry Aldrich, Chair

Awards Committee

The call for nominations and applications for MSA awards and fellowships was published in the Inoculum (1993) 44: 14-15.

MSA Graduate Research Prizes: The 1993 Awards Committee was made up of Robert W. Roberson (Chair), John Cooke, Linda Kohn, and Rodney Roberts. Due to the large number of student papers being judged at this year’s meeting, RWR enlisted the help of four additional ad hoc judges: Karen Klomparens, Frank Dugan, James E. Adaskaveg, and Steve Rehner. From this group, two subcommittees were formed. One committee will be judging posters (John Cooke (Chair), Linda Kohn, Karen Klomparens, and Frank Dugan) while the other will judge oral presentations [Robert W. Roberson (Chair), Rodney Roberts, James Adaskaveg, and Steve Rehner]. Each subcommittee will make their selections independently.

Robert W. Roberson, Chair

Awards Committee motions on revisions of awards processes submitted to Council:
1. Nomination Procedures:
   1a. Distinguished Mycologist Award – The committee feels that letters of support are helpful in making decisions, however the number required should be clearly stated. We move that the instructions outlining the requirements of the ‘nomination folder’ be reviewed to state that up to five letters of support may accompany each nomination. This number would include the supporting letter from the nominator.

   In addition, it is unclear to the committee how long a nominee may remain in the pool. Currently, nominees are automatically carried over from one year to the next. We move that the nominee’s file be updated each year in order to be reconsidered for the Distinguished Mycologist Award. This action would constitute a renomination of the candidate. It would be the job of the nominator to contact the Awards Committee Chair to renominate the candidate and discuss applicable updates. Additional letters of support would not be required.

   1b. Alexopoulos Prize – The motions we propose are as follows:

   (i) That the number of supporting letters be specified. We suggest limiting it to 5; this number would include the nominating letter.

   (ii) That the number of reprints submitted be restricted to 7-10. These reprints should represent those which the nominee feels have made the most significant contributions to the field of mycology. In doing so, we feel the process will be less work for all involved and will not compromise the ability of the committee to make sound judgments.

2. Confidentiality for the Distinguished Mycologist Award:

   It is impossible to guarantee confidentiality. Perhaps decreasing the number of supporting letters will help. In addition, we move that a statement be included in the published instructions expressing the importance of confidentiality.

Honorary Member Committee

The Honorary Member Committee of MSA has reviewed nominations for the following four mycologists and recommend that they be placed on the next MSA ballot for election as honorary members.

1. Dr. Lennart Holm, Institute for Systemic Botany, University of Uppsala, S-75121, Uppsala, Sweden (born 1921).
2. Dr. Erast Parmasto, Institution of Zoology and Botany of the Estonian Academy of Science, Tartu, Estonia (born 1928).
3. Dr. Josef Poelt, Institut für Systematik Botanik, Universität Graz, Austria (born 1924).
4. Dr. Jorge E. Wright, Universidad de Buenos Aires, Argentina (born 1922).

All of these outstanding mycologists have been highly productive research scientists for approximately 40 years. Their extensive publications have greatly enhanced knowledge of many groups of fungi and have established them as international leaders in our profession. In recognition of their achievements, we strongly recommend that they be placed on the ballot for election as honorary members.

Robert L. Gilbertson, Chair

Nominations Committee

The business of the Committee was initiated in early October and was concluded on November 20, 1992 with submittal of our slate of nominees to the Vice President. Committee members were Hal Burdass, Charles Mims, Don Barr and myself. All business, essentially, was conducted by phone and fax.

Overall the process went smoothly and yielded a strong slate of candidates.

Martha Christensen, Chairman

Smith Fund Committee

The awardee for 1993 is Dr. Jorge Wright for studies on Lycoperdales and Tulostomatales.

Timothy J. Baroni, Chair

Teaching Committee

The Teaching Committee has continued the projects and responsibilities of the past and begun a new project.

1. We have evaluated the candidates for the William H. Weston Award for Teaching Excellence in Mycology. Dr. Tom Leonard has been selected as this year’s recipient.

2. The Committee is maintaining the teaching slide collection. Due in part to the interest generated at the last meeting in Oregon we have received three requests for slides. One person purchased the entire slide collection. At total of 359 slides were pur-
chased. An accounting for costs and receipts follows. One additional request was received from a commercial firm presenting a list for one of their clients. Since we had only one slide that specifically met their needs, I sent our list of available slides to them to forward to the client. He could then choose from our listing whatever he wants. However, nothing has been heard since I responded in November of last year.

3. Three requests have been received for the posted title: What can you do with training in Mycology? Currently 96 copies of the poster are available. One letter was received from Kenneth Cochran, Executive Secretary of NAMA. His association frequently receives requests about for career information. He routinely informs these people of his Association sends out a copy of our poster. He also informs them of our Society and directs their Society inquiries to me as chair of the Teaching Committee.

4. The test bank questions are still available in paper and/or diskette format from Mike Tansey, former Teaching Committee Chair. I have not been able to contact Mike to determine if he has received requests. I think the computer edition can be reorganized by topic to be more useful. I will attempt a reorganization this summer and have the rest of the committee critique it.

5. The development of a handbook has been on hold this academic year due to other pressures. This summer I will request a write-up of the experiment from all persons suggesting an exercise for the handbook. These write-ups will be put into a standard for mat, returned to the author to assure accuracy, and tested by members of the teaching committee. Through my connections with the Microbiology educators’ group of the American Society for Microbiology, I hope to have some of the end user group test the experiments to learn what pitfalls exist when the experiments are performed by the end user. We hope to be able to have several experiments available for a workshop at the next annual meeting.

6. The Teaching Committee has begun a new initiative at the suggestion of one of our members, George Carroll. George has suggested that the committee might serve as a clearing house for connections with the Microbiology educators’ group of the American Society for Microbiology. I hope to have some of the end user group test the experiments to learn what pitfalls exist when the experiments are performed by the end user. We hope to be able to have several experiments available for a workshop at the next annual meeting.

7. An accounting of funds received and spent by the committee:

**RECEIPTS**

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**EXPENSES**

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**Committee on Placement**

During the past year, five individuals have filed “Employee Data Forms” and a curriculum vita with the committee. A dozen employers have either submitted employee data forms to the Placement Committee or contacted the Chair of the committee regarding job opportunities for mycologists. Each individual with a vita on file was notified of the job by mail. Although most of the job opportunities were subsequently advertised in the *Inoculum*, a few were not due to the short period of time available to fill the position.

One problem which has become increasingly apparent in the last year is that many prospective employers are looking for potential employees “immediately.” As such, they are often unable or unwilling to wait two or three months for the job announcement to appear in the *Inoculum*. While the Placement Committee can readily contact individuals who have filled “Employee Data Forms,” the committee does not have access to students who will soon finish a degree and seek employment. The most effective, short-term solution would be to send a message to all ‘e-mail subscribers” each time the Placement Committee receives a job announcement. In this way, a greater number of faculty and students would have access to job announcements in a much shorter period of time. Prospective employers might be encouraged to send job announcements to the Placement Committee if the committee could ensure rapid distribution to a larger number of potential applicants. An ad will be placed in the next issue of the *Inoculum* advising job seekers to send an e-mail address to the Chair of the Placement Committee and notifying prospective employers of our e-mail service.

A more permanent solution would be an electronic bulletin board in which job announcements could be posted on a regular basis and readily accessed by students and faculty alike. The Chair of the Placement Committee is currently investigating the possibility of offering or linking up to such a service through Computer Services at Eastern Illinois University.

The Placement Committee respectively suggests that the MSA Council consider establishing a Mycology Bulletin Board not only for listing job opportunities but as a way of keeping members informed of activities within the Society.

*Andrew S. Methven, Chair*

**Culture Collection Committee**

The committee was virtually inactive during the last year. Although a workshop on various methods for the preservation of fungal cultures was proposed by the chairman of the committee last year (Dr. Humber), the suggestion was not considered further. A copy of a complaint about service by the American Type Culture Collection was received by the chairman of the committee, as was the reply from Dr. Jong (ATCC). The complaint was discussed with Dr. Rossman, MSA representative to ATCC and member of the ATCC Board of Managers. Correspondence has been deposited in the MSA archives (NYBG/Sabine Huhndorf).

Problems with the issuance of import permits by USDA/APHIS have been an ongoing problem for mycologists. A change of personnel at the Hyattsville office during the year but the effect of that change on the permit process is not yet known.
It is easy for an outgoing and not very active committee chairman to suggest what the committee should have done or should do in future, but I am going to make the suggestions anyway. I also volunteer to remain on the committee, or to work with the new committee, on what I think are important and timely tasks.

The loss of mycology positions in the United States is widely recognized. Concomitant with this loss is, or may be, the loss of personal culture collections. These orphaned collections may hold strains that were cited in publications but that were not deposited in the ATCC; they certainly hold isolates that can contribute to an understanding of fungal biodiversity. The MSA culture collection committee can immediately provide a great service to mycology by identifying personal culture collections, orphaned, threatened, or active, and the nature of their contents. As a second step, orphaned collections should be evaluated and, where appropriate and possible, acquired for deposition. A third task would be to prepare a catalogue of strains held by MSA members that are available for distribution. The MSA could prepare the catalogue, leaving the details of strain acquisition to be worked out by the individual strain holders. A long-term aim would be to prepare a database of fungal collections of fewer than 2000 number held by MSA members.

The US Department of Energy (DOE) has established the Sub-surface Microbial Culture Collection (SMCC) for the preservation of microbial cultures isolated from terrestrial subsurface environments. This collections of cultures is located at Florida State University. While I am not suggesting the establishment of a culture collection, I am suggesting that DOE might support the establishment of a database of the many small and dispersed mycological culture collections in the USA. The database, similar to that prepared by SMCC, would provide biogeographical, ecological, biochemical, and taxonomic information. Information about SMCC is available from Dr. David Balkwill, Department of Biological Sciences/B-162, Florida State University, 312 Nuclear Research Building, Tallahassee, FL 32306. Information on the DOE program is available from Dr. Frank J. Wobber, Office of Health and Environmental Research (ER-74), US Department of Energy, Washington, DC 20585.

While the above suggestion is desirable, it will require actual work that the incoming committee might not want to undertake. At the very least, the incoming committee should consider membership in, or collaboration with the US Federation of Culture Collections (USFCC) (for which Steve Peterson is on the program committee). The USFCC has a Culture Collection Committee which is currently chaired by David Boone (Oregon Graduate Institute of Science and Technology, 19600 NW von Neumann Drive, Beaverton, OR 97006-1999; phone 503-690-1145).

Gary J. Samuels, Chair

Medical Mycology Committee

Our activities this year consisted entirely in setting up the [medical mycology] symposium for Athens. Credit is due to Dr. Chet Cooper, who worked very hard on getting this symposium together. Plans for next year include a review article for Mycologia on fungi important in AIDS/HIV patients. Dr. R. C. Summerbell will author this review.

Richard C. Summerbell, Chair

Phytopathology Committee

1. Responsibilities of the Phytopathology Committee were developed, approved by the committee, and submitted to President Meredith Blackwell. A copy of the responsibilities is attached.

2. The Committee initiated inquiries into the APHIS permits situation brought to the attention of the MSA Culture Collection Committee and this Committee. It was suggested that due to a recent (Fall 1992) change in some responsibilities in APHIS, we should adopt a wait-and-see attitude. This was done.

3. Concern was expressed the IMCS may not have sufficient plant pathology on the program. A letter from Dr. Thomas Harrington, APS Mycology Committee's representative to IMCS, was discouraging in that nearly everything had been planned at the meeting he attended. No follow-up by this committee was done.

Larry F. Grand, Chair

Foray Committee

The Annual MSA Foray is planned for Saturday, June 19, 1993. Local arrangements have been made by Dr. Richard Hanlin, Department of Plant Pathology, University of Georgia. As of 26 May 1993, Dr. Hanlin has informed me that 70 people have registered and that arrangements have been made for two buses to accommodate transportation of the group. Dr. Hanlin also has advertised the foray in the April issue of the MSA newsletter, Inoculum 44(2), and therein has described the details of the trip. The trip will begin at 7:30 am and will conclude at 4:00 pm. Official site information for fungal collections will be provided. At the end of the trip, laboratories and microscopes will be made available in the Plant Science Building. Representatives of the foray committee will attend the foray and assist in the collection and identification of fungi. A group portrait of foray participants and lists of fungi collected that are provided by specialists of major fungal groups will be published in the societal newsletter.

On behalf of MSA, the foray committee would like to acknowledge an outstanding effort by Dr. Hanlin and thank him for making all of the local arrangement and for advertising the 1993 Annual Foray in the MSA newsletter.

James E. Adaskaveg, Chair

Committee on Liaison with Amateur Mycological Societies and Clubs

The committee has initiated a specimen-based database for fungi from both amateur and other sources outside of major biosystematics institutions. The project was formed jointly with Hank Mashburn of the Carnegie Mellon University, School of Computer Science, Pittsburgh, PA 15213. Mr. Mashburn is a member of the MSA committee of the North American Mycological Association. A poster at the 1992 MSA meeting advertised database availability, explained how it was based on specimens deposited in recognized herbaria, and how it is available to any researcher, amateur or professional. It was thought to be of particular interest to the study of biogeography of fungi and as a finding aid for monographers.

It is hoped that the project will stimulate the interest of amateur and professional mycologists and grow to become a useful resource for both.

John Haines, Chair

Program Committee

The 1993 meeting will be held at the Georgia Center for Continuing Education located on the University of Georgia campus. MSA is meeting alone this year as it did in 1990 when the meeting was held at the University of Wisconsin. The local arrangements chairperson is Charles Mims with the Foray organized by Dick Hanlin. Dave Porter is coordinating the MSA Auction and Social.
Planning for the 1993 meeting began in the spring of 1993 when the program chair began receiving mail requesting space on the program. Tony Griffiths wrote requesting an opportunity to speak about IMCS during one of the plenary sessions. Chet Cooper and Charles Bracker wrote requesting space for symposia. A third symposium was added when Karl-Eric Eriksson was contacted about a symposium on the use of fungi in the pulpwood industry. Dr. Eriksson is not a member of MSA so his agreement was welcomed by the society at large.

Future program chairs should be aware that some communication is necessary in order to establish a line of contact. Although copies of “Application for a Place on the Program” and “Application for a Symposium” are sent in duplicate to Rich Humber who then sent a copy to the program chair. This arrangement was for the convenience of the symposium organizers contacting industrial firms is that the person contacting the company is often better known to individuals in the company than is the program chair.

The program chair worked closely with Rich Humber (Inoculum editor) in getting out the call for papers. Because the meeting is in June this year, a first call for papers was sent out in the Fall followed by a second notice in the Winter. Abstracts were sent in duplicate to Rich Humber who then sent a copy to the program chair. This arrangement was for the convenience of the Inoculum editor who has the task of publishing the abstracts and wanted to be able to scan the abstracts as they arrived rather than have to deal with them all at once. This worked well until the program chair’s point of view. Correspondence between Humber and Jaworski was greatly facilitated by the use of e-mail and it is strongly recommended that future program chairs use this method of communication with the editor of Inoculum. Authors were sent the program chair through regular mail, Rich Humber was able to send electronic files of the titles and authors to the program chair which saved the laborious task of creating these files again for use in generating the program. It was also possible to send, via e-mail, an electronic copy of the program to Rich Humber for inclusion in the spring issue of Inoculum. In all instances, there was a great savings in time and effort when files were exchanged via e-mail. Future program chairs should be aware that some communication is necessary in order to ensure that the person receiving the file will be able to print the file and/or enter it into the word processing program. Files for this year’s program were sent in WordPerfect format.

The program for this year contains 204 titles distributed as follows: 1 presidential address, 1 annual lecture, 20 symposium talks, 102 contributed paper talks and 80 contributed posters. This is approximately the size of the 1992 program when the MSA met jointly with APS. Since there were only three symposia, it was possible to set a program with no more than two concurrent sessions. There are also two workshops that will occur before the meeting officially opens. These were not set up or scheduled by the program chair but were advertised in Inoculum prior to the meeting. There was only one request for an evening roundtable discussion. Included in the program are 21 posters and 27 talks in the graduate student competition. Since there were only two concurrent sessions scheduled, it was not difficult to schedule the student talks such that they did not conflict with another student talk. All posters were scheduled for an afternoon early in the meeting but the posters are to remain up until near the end of the meeting. The physical layout at the Georgia Center is such that the posters will be set up in an area in between the two major lecture halls. This should encourage maximum exposure of the posters. The large number of posters that have to be judged during a single afternoon session places a burden on the Awards Committee. This was discussed with the Awards Committee chair, R. Roberson. There is a need to expand the Awards Committee to have sufficient membership to allow separate teams to judge the posters and the talks.

MSA provided $2,000 to help cover costs associated with the program. Each symposium organizer was promised $500 ($1,500 total) and $500 was held to cover costs of printing the program (actual cost $509.25). This allowed no reserve to cover numerous phone calls made to organize session chairs and to return phone calls from members seeking information about the meeting. To date, symposium organizers received contributions from three companies totaling $1750. This is less than has been contributed in recent years and may reflect the economy since two companies that contributed $1250 last year for the cell biology methodologies symposium did not contribute funds this year.

This is the second time the current program chair has organized the MSA program; the first time was in 1983 when MSA met with APS. These were two different experiences that allow for a discussion of the pros and cons of meeting separately vs. in conjunctions with another group. Meeting with another group is advantageous in that, at least with APS or AIBS, the program chair does not have to worry about printing the program and a number of other tasks normally taken on by a professional staff. The negative to having another group organize and print the program booklet is that they set the deadlines which takes away any latitude in accepting late submissions. It is also more expensive for professional to set the type for the booklet. While meeting with another group provides a more diverse total program, it is much easier to avoid conflicts when we meet alone. In an overall comparison, it is much more work for the program chair when the society meets alone. This is primarily due to the time it takes to get the program booklet into camera-ready form complete with an appendix and suitable cover.

Thanks are due a number of individuals who have contributed to the development of the MSA program for this year. Charles Mims has been excellent at keeping the program chair informed of items associated with the meeting. Dick Hanlin has provided sound advice on a number of occasions. Meredith Blackwell took an active interest in the program from the beginning and promptly responded to many questions. Special thanks are due Rich Humber for provision of electronic files and rapid communication of late-arriving abstracts in both electronic and hard copy forms. Rich also kept an eye on the program as it was developing calling attention to errors of omission and commission. The staff at the Georgia Center have been most cooperative and willing to work with us to insure a successful meeting. Particular thanks go to Norma Reed who took a special interest in our meeting.

Alan Jaworski, Chair

Publicity and Public Relations Committee

Perceived problems regarding MSA and its functions:
1. Low and declining membership
2. Image
3. No identifiable mission or vision
4. No identifiable service component (as compared to other societies, for example)

Goals for the Publicity Committee
1. To better promote the MSA and its activities
2. To increase membership in the Society
3. To orchestrate a better image for mycology and the Society
4. To increase knowledge about and awareness of fungi
5. To elevate more individuals from our ranks into influential positions
6. To maintain or increase the number of positions held by active mycologists
7. To further ensure a future place for mycology and the MSA
Steps for accomplishment of goals
1. We need a clearinghouse for publicity of mycological concerns. This might work by having a file of addresses, phone numbers, etc., of newspapers, institutions, and influential people who could not only help to get the word out, but to help get the right word out to the right people at the right time. This could be anything from announcements of courses that have proven successful to announcements of new books or results by our members. A list of influential people with whom we are in contact may eventually result in one of our rank being seated in the National Academy or on a grant review panel, etc. In looking through the duties of committees in MSA, it appears as if many of the committees already exist. The Publicity Committee could simply act as the distributor for information from and to the other committees.

2. We need some way to collect statistics on mycological concerns such as number of national competitive grants submitted/funded that have some bearing on mycology, number of mycological positions opened/closed, number of service events involved per year, etc. Perhaps this could be accomplished with a yearly survey of members and other mycologists.

3. A change in format of Mycologia. This is in progress. The area categorization in the contents will probably help. I would also suggest that the editor, review editor or editorial board encourage or invite highly visible researchers to submit manuscripts to Mycologia. Historically, several specialized groups have splintered from MSA, just as we did from the Botanical Society.

4. A yearly survey of members and other mycologists.

5. I would encourage the MSA to become sister-societies or members of other organizations that we currently are not affiliated with. We also need to make sure that the liaisons for those groups are active and well spoken. Examples would be microbiological or industrial mycology societies.

6. Identify and promote a specific set of services that either individual members or the Society in general can provide. We need to make ourselves invaluable to the public, industries, congress, etc.

7. We need a clearinghouse for lists of individuals, groups, etc., with special talents, charisma, abilities, etc., that could be called upon to ‘perform’ at functions, meetings, or wherever to always put the best foot forward. This way there is always someone waiting with the information in hand when the opportunity presents itself.

Steven L. Miller, Chair

Committee on Sustaining Membership
The Committee on Sustaining Membership is pleased to report the addition of seven new MSA Sustaining Members for 1993; two of the seven are Companies which had been former Sustaining Members. We welcome the new Sustaining Members: Abbott Laboratories, American Cyanamid Company (Medical Research Division), Bristol-Myers Squibb, Carolina Biological Supply Company, field & forest products, inc., Myco Pharmaceuticals Inc., and Mycosearch, Inc.

The Committee urges all MSA members to express their appreciation to our Sustaining Members; a list of our Sustaining Members is published in each issue of Mycologia and of Inoculum. Buckman Laboratories International, Inc., and Genencor International did not renew their Sustaining Memberships for 1993; we are sorry to lose them as Sustaining Members. Spawn-Mate, Inc., consolidated their Sustaining Membership with the Sustaining Membership of Amycel, Inc.

Therefore in summary, we added seven and lost three Sustaining Members and now have 32 Sustaining Members.

The Committee recommends, as an addition benefit to our Sustaining Members, that the List of Sustaining Members be published in a prominent place in the MSA Membership Directory.

The Committee welcomes suggestions of prospective Sustaining Members, please contact Van T. Cotter (phone: 609-799-0400 x2479; fax: 609-275-3569; e-mail COTTERV@PT.CYANAMID.COM).

Van Cotter, Chair

MSA Representatives & Liaisons

MSA Liaison to IMC5
MSA Liaison for Biodiversity
MSA Representative to AIBS

In a note to the mid-year meeting of the MSA Executive Committee I indicated that I would not be able to continue working in Biodiversity or as representative to AIBS due to departmental and college administration and asked to be released from these duties.

IMC5 – Tony Griffiths, Secretary General, IMC5, will be in Athens for the MSA meeting to deal directly with questions, comments, etc. from MSA members. He should have the most up-to-date information on the Congress.

We have a meeting in Vancouver July 26 where we will likely start to focus on the light at the end of the tunnel. The second circular will be mailed this summer, which will have considerable information on the Congress. Basically, I have heard very little about IMC5 in the past several months, perhaps things are going smoothly. On the other hand, I have had a difficult time trying to get people to put field trips together. I’m about to send another set of reminders! On that positive note I will terminate this brief report. Enjoy the Council Meeting!

Joe Ammirati

MSA Representative to the ATCC
This year the American Type Culture Collection (ATCC) selected a new Director, Dr. Ray Cypess, who assumed the position on 1 June 1993, succeeding Dr. Robert Stevenson. Dr. Cypess has a background in animal parasitology and most recently held a position as Vice Provost of University of Tennessee. Although not well versed in matters of importance to mycology, he is learning quickly and beginning to appreciate the diversity and relevance of fungi. Jerry Motta served on the Advisory Team for the Department of Mycology which reviewed the Department in September 1992. Frances Molina has successfully initiated a program in the molecular systematics of yeasts as well as species related to shiitake. Because the position held by Elmer Davis is critical to the Department, a successor is being sought several years prior to his retirement.
The ATCC endeavors to serve the scientific community by providing authentic strains for research purposes at a reasonable cost. Maintaining diverse fungal cultures is expensive and this not-for-profit institution must constantly be reviewing their financial position. A grant from the National Science Foundation helps to support the Department of Mycology. Scientists are encouraged to obtain and deposit authentic fungal cultures at the ATCC. Comments relating to fungal strains at the ATCC should be directed to Dr. Motta or myself.

Amy Y. Rossman, Representative to ATCC

MSA Representative to the US National Committee for the International Union of Microbiological Societies (USNC/IUMS)

The annual meeting of the committee was held on Friday, January 15, 1993, in Room 280 of the National Academies of Sciences Building in Washington, D.C.

Items of major interest to members of the MSA included a discussion of the 1994 Mycology Congress to be held in Prague, Czechoslovakia, from July 3-8. A First Announcement of the Congress has been distributed and is available from the Secretariat, IUMS Congresses 94, Institute of Microbiology, Videnska 1083, CS-142 02 Prague 4, Czechoslovakia. The program will include a broad range of mycological topics.

Dr. Shadomy, Mycology Division Chair, reported that the Division has been strengthening its relationships with the IMA (International Mycological Association) and ISHAM (International Society for Human and Animal Mycology).

Concern was expressed by your representative about the scheduling of two mycological congresses in the same year as happened in 1990 and will happen again in 1994. Dr. Shadomy explained that efforts are being made to avoid this in future, and that future congresses will be held in separate years to avoid overlap with the IMA and ISHAM sponsored congresses.

Other items of interest included a discussion on the transport of plant pathogens. Although several viewpoints were heard, definitive action was not taken.

Dr. S. C. Jong, representing the World Federation of Culture Collections, discussed the status of endangered culture collections. The Committee passed the following resolution: “The USNC applauds the IUMS for taking the lead in the effort to safeguard endangered culture collections and suggests that IUMS look at the broader issue of microbial collections as a source of genetic diversity with value to biotechnology industries.”

Dr. Marvalee Wake, Chair of the USNC for the International Union of Biological Sciences, briefed the Committee on the IUBS biodiversity program “Diversitas.” She noted that gaps are emerging in the microbiology and marine biology elements of biodiversity. IUMS/IUBS cosponsored a meeting in Amsterdam (1992?) to discuss the role of microbiology in diversity. A suggestion as made that IUMS begin to build its own program and find ways to interface with the three elements of IUBS activity.

I continue to feel that it is in the interest of the MSA to maintain membership in the IUMS and recommend to the Society that its membership in the committee be continued.

Roger D. Goos

MSA Representative to the IMA

Apart from a widely distributed Newsletter (Spring 1992) there has been no communication from the International Mycological Association.

Donald J.S. Barr, IMA Representative

Liaison for Conservation of Cultural Resources

The National Institute for the Conservation of Cultural Property (NIC) report on Conservation and Preservation of Natural Science Collections is currently in galley. The report will be sent to NSF and to individual participants in the project during June 1993. NIC’s direct role in the project will end at that time. The report summarizes their over two-year project aimed at identifying needs and challenges facing natural history collections in the United States. This report should provide information on the state and status of conservation of the nation’s natural science collections. A large component of this report is based on discussions that NIC had with natural science organizations including MSA. The primary MSA/NIC discussion was held during a luncheon at the San Antonio Meetings in 1991. I will be among the participants receiving the main report as well as several subreports from various “materials workshops,” e.g., paper, magnetic data storage devices (diskettes, etc.), and liquids used in collection storage (alcohol, etc.).

While their formal project is now ended, NIC will be available for consultation and to facilitate discussion, etc. between interested societies. I have asked them to send me a list of the natural science organizations that interact with NIC.

The Council will be provided with a copy of all of these documents.

Gregory Mueller

MSA Representative to AAAS

The AAAS representative report is very short this time because I was unable to attend the Boston meeting, and I was unable to find any MSA member in the Boston area who would have been in town the weekend of the meeting.

When I took on this job, I was confident that I would be able to attend every meeting, particularly since the MSA could provide the air fare. However, two years of experience has shown that I cannot do so.

A solution is to ask me to organize an informal group of AAAS representatives, each in one of the several cities that AAAS rotates through, and have this group represent MSA to AAAS.

Regarding Fellows of AAAS, I have located three MSA members who are fellows, and could nominate more. I have had a harder time locating distinguished mycologists who are members of AAAS. Perhaps we could ask the members to supply us with this information at registration.

John W. Taylor

MSA Representative to the Association of Systematics Collections

The Association of Systematics Collections (ASC) was involved in several activities of importance to mycology this year including working with Congress and the National Academy of Sciences to further research in biological diversity. I participated in the workshop organized by Dan Janzen (Univ. of Pennsy-
vania, Philadelphia) to determine how to conduct an All Taxa Biological Inventory (ATBI). Although the idea is somewhat overwhelming for fungi, I went prepared to describe the tremendous diversity and numbers of fungal species. The workshop was exciting, with the result that significant resources will be dedicated to microorganisms, insects, and the information management system (see Science, 30 April 1993).

Throughout the year I had been participating in Systematics Agenda 2000 – Charting the Biosphere, an attempt to prioritize the needs in systematics. Again, fungi, nematodes, and bacteria have emerged as understudied groups of organisms that require more international attention. Three major thrusts are outlined, namely, (1) discovering and describing all organisms, (2) classifying those organisms using phylogenetic methods; and (3) organizing that information into a comprehensive knowledge base. A summary of the program is available.

Mycologists need to be more involved in the science policies and politics and, toward that end, I have forwarded the names and resumes of several prominent mycologists to ASC and members of the media. We must seek opportunities to work with the media and Congress. If you are contacted by the media or have ideas about how we can gain more publicity for mycology but need help in implementing them, please contact me. The ASC publishes a newsletter, the Washington Initiative, with information about funding opportunities and requests for Congressional input that have a short response. Dave Farr will be setting up a mycology bulletin board for those willing to write Congress about legislation that affects mycology. Please send him your e-mail address if you are interested.

Amy Y. Rossmann

[The following resolution was adopted by the MSA Council.]

Resolution in Support of Systematics Agenda 2000

Whereas, biological information is critically important for the understanding and protecting of our planet’s biological diversity;

Whereas, systematics provides the foundation for obtaining, utilizing and communicating about biological information;

Whereas, “Systematics Agenda 2000: Charting the Biosphere” has been written to support documentation of the biological diversity of our world to set forth plans on how to document that biodiversity;

Whereas, the goals of “Systematics Agenda 2000” are to discover, describe, and classify the world’s species within 25 years and to organize that information in an efficiently retrievable form that best meets the needs of science and society;

Whereas, governmental agencies and citizens of the world have need for biological and systematic data to meet our obligations to document, protect, and sustain biological diversity;

Whereas, science and society will benefit in that new species discovered will multiply society’s inventory of usable resources, knowledge of species diversity will assist in discovery of new products and selection of new and improved food crops and medicines, and baseline data will be generated to monitor global climate and ecosystem change;

Therefore, the Mycological Society of America supports the program put forth in the “Systematics Agenda 2000”, is committed to full involvement in the project, and urges other scientists to support “Systematics Agenda 2000” and the concepts it proposes.
**Dubey, Tara** — P.O. Box 411, Elizabeth, IL 61028. Phone: 815-753-1187 (work), 815-858-2567 (home).

**Farr, Marie L.** — 13530 Sherwood Forest Drive, Silver Spring, MD 20904. [The April Inoculum listed an incorrect street number.]

**Freitag, Michael** — DGI-CBMB, PO Box 9100, Portland, OR 97292-1000. Phone: 503-690-1133.


**Hardham, Adrianne R.** — Phone: 61-6-249-4168; fax: 61-6-249-4331.

**Haynes, James D.** — Dept of Biology, 1300 Elmwood Ave., State Univ. College at Buffalo, Buffalo, NY 14201. Phone: 716-647-1814.

**Headrick, John M.** — Monsanto Co., Mail Zone 5045, 800 Lindbergh Blvd., St. Louis, MO 63167.

**Jabaji-Hare, Sühla** — Plant Science Dept., Macdonald Campus of McGill Univ., Ste Anne-de-Bellevue, Quebec H9X 3V9, Canada. Fax: 514-398-7897.


**Kernaghan, Gavin** — Dept of Botany, Univ. of Alberta, Edmonton, Alberta T6G 2E1, Canada. Phone: 403-492-7010.

**Kropp, Bradley, R** — Biology Dept., UMN 5305, Utah State University, Logan UT 84321.

**Lubrecht, Harry** — 38 Country Rte 48, Forestburgh, NY 12777.

**McBeath, Jenifer Huang** — Phone: 907-474-7439.

**Minter, David W.** — CAB International Mycological Institute, Bakeham Lane, Egham, Surrey, TW20 9TY, UK.

**Molitoris, H. P.** — Botanical Institute, Univ. of Regensburg D-93040 Regensburg, Germany. Phone: [49] 941-943-311; fax: [49] 941-943-3106.

**Moore, Delores** — Phone: 803-383-8093; fax: 803-8129.

**Newhouse, Joseph R.** — 935 Brown St. Belle Vernon PA 15012.

**O'Donnell, Kerry** — fax: 309-681-6686

**Petrini, Orlando** — Microbiology Institute, ETH-Zentrum, CH-8092 Zürich, Switzerland. Phone 01-256 3351; fax 01-262 0647.

**Reeder, R. D.** — fax: 519-582-4223.

**Rifflé, Jerry W.** — 6087 East George St., Syracuse, IN 46567.

**Rodriguez, Katia F.** — 1181/2, W. Court St., Ithaca, NY 14850.

**Ryvarden, Leif** — Botany Dept., Univ. of Oslo, Box 1045 Blindern, N-0316 Oslo, Norway. Phone: (+22) 854623.

**Schafer, Derek J.** — 765 Newtown Road, Villanova, PA 19085. Phone: 215-995-0138.


**Schmitt, Johannes A.** — Univ. Saarlandes, Fachrichtung Biochemie, Postfach 1150, D-66041 Saarbrücken, Germany.

**Seibt, Dieter** — Lerchenweg 33, D(W)-7071 Ruppenstihofen, Germany. Phone: 07176-3334.

**Schmitter, Lynn R.** — 114 Elm Dr., Neptune, NJ 07753. Phone: 908-750-7837.


**Specker, Robert** — phone: 706-542-1783.

**Stewart, Elwin L.** — Pennsylvania State Univ., Dept. of Plant Pathology, 212 Buckhout Lab., University Park, PA 16802-4507. Phone: 814-865-7448.

**Tam, Betty** — 1003 Locust St., Oakland, OR 97462.

**TeStake, Diane** — Dept of Biology, Lif 136, Univ. of South Florida, Tampa, FL 33620-3150. Phone: 813-974-1594; fax: 813-974-3263.

**Thorn, Greg** — Center for Microbial Ecology, Michigan State Univ., East Lansing, MI 48824.

**Throne, Ulf** — phone: +45 4593 1222 - 2630 (direct line)


**Yaegashi, Hiroshi** — National Institute of Agro-Environment, Sci., Tsukuba, Ibaraki 305, Japan.

**Yang, Zhonghua** — Dept. of Pharmacology, SONY Health Science Center, 3135 WH Hall, 766 Irving Ave., Syracuse, NY 13210. Phone: 315-464-7968.

**Yang, Hong-Ren** — Taiwan Agricultural Research Institute, Dept. of Plant Pathology, 189 Chung-Cheng Rd., Wu-Feng, Taichung, 41301 Taiwan, ROC.

**Yoon, Cheol-Sik** — Daegu Si, Namgu Daemyeong 8 Dong 2000-19, South Korea 703-038. Phone: (53) 473-6636.

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"**LOST**" **MSA MEMBER??**

Can anybody provide the correct address for:

**Phyllis E. Kempston**

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The MSA welcomes the following **NEW MEMBERS**:

**Akers, Brian P.** — Dept. of Plant Biology, Southern Illinois University at Carbondale, Carbondale, IL 62901. Phone: 618-536-2331.

**Armour, Michael** — PO Box 406, Glenoma, WA 98336.


**Baisden, Carol M.** — Environmental Sciences Program, Univ. of Massachusetts, 110 Morrissie Blvd, Boston, MA 02125-3393. Phone: 617-287-7463.

**Bastide, Paul Y. de la** — Ctr. Rech. Biol. Forest., Université Laval, Cité Universitaire, Québec B1K 7P4, Canada.

**Belanger, Faith** — Dept. of Plant Science, Lipman Hall, Cook College, New Brunswick, NJ 08903. Phone: 908-932-8403; fax: 908-932-8899.

**Bristol-Meyers Squibb** — Attn: Dr. P. B. Fernandes, PO Box 4000, Pharmaceutical Research Institute, Princeton, NJ 08543-4000.

**Burke, Harriet A.** — 665 Huntington Ave., Boston, MA 02115. Phone: 617-432-4638; fax: 617-432-4122.
Yosio Kobayasi
Dr. Kobayasi died of heart failure on 6 January 1993 in Funabashi, Chiba, Japan, at the age of 86. During his long career, Dr. Kobayasi served as Curator of the National Science Museum (Tokyo), as President of the Mycological Society of Japan, and as Vice-President of the International Mycological Association. His notable contributions to the field of mycology and his able leadership in the development of Japanese mycology in particular won him both national and international respect. His far-ranging collecting trips took him to the Aleutian Islands, East Asia, New Guinea, the Antarctic and Arctic, East Africa, South America, and other regions. His research covered a diverse spectrum of topics including *Labyrinthula*, chytrids, jelly fungi, *Inocybe*, gasteroid fungi, yeasts, and entomopathogenic fungi (especially *Cordyceps* and *Torriuella* species). The majority of his work focussed on the monographic research of the clavicipitalean entomopathogens found in Japan and elsewhere. His colleagues at the National Science Museum offer their sincere thanks to all who showed him such kindness during his lifetime.

Frank Seabury, Jr.
The Citadel, Charleston, SC 29404
Testrake, D — testrake@chuma.cas.usf.edu
Throne, U — ibutul@kbar.dth.dk
Untereiner, WA — waunter@botany.utoronto.ca
Volk, T — fswa=set.volk/ou=s2a@mhats.atmail.com
Wildman, HG — hw0474@ggr.co.uk
Wong, G — gwong@uhunix.uhcc.hawaii.edu
Worrall, J — jworrall@mailbox.syr.edu
Wright, JE — wright@biowri.edu.ar
Wubah, DA — e1b2wub@toe.towson.edu
Zak, JC — yzjоз@ttacs1.ttu.edu

Charles Bracker, in addition to being named one of MSA's Distinguished Mycologist (see p. 8), has been named the first George B. Cummins Distinguished Professor of Botany and Plant Pathology at Purdue University in recognition of his pioneering work in fungal ultrastructure and development and excellence as a teacher.

Jorge E. Wright • was appointed a member of the Argentine National Academy of Exact, Physical and Natural Sciences.

Travelling Mycologists

Jorge E. Wright • was visited by Drs. Gabriel Moreno and Lic. Alberto Altes from the Universidad de Alcala (Spain) so that they could study Gasteromycetes in the herbarium. Dr. Moreno gave a workshop for graduate students from all over Argentina on the identification of Agaricales. Dr. S. Binyamini (University of Tel-Aviv, Israel) spent two weeks examining materials of Gasteromycetes from the Herbarium. Dr. Wright spent a month working on the taxonomy of Gasteromycetes from Spain and Baja California (Mexico) in the Dept. of Plant Biology, Universidad de Alcala de Heneres (Spain) during March. He presented a lecture on "The Fungi of the End of the World (Tierra del Fuego)".

Dave Minter • and Paul Cannon • of the Biosystematics Services (International Mycological Institute) visited the N.G. Kholodny Botanical Institute, Kiev, Ukraine, and collected in the Crimea during May and June 1993.

Changes of Affiliation or Status

Chet Cooper • took a new position in mid-August as the Associate Director of the Mycology Reference Laboratory and an Assistant Professor of Dermatology within the newly created Center for Medical Mycology at Case Western Reserve University in Cleveland, OH.

Gregory M. Mueller was promoted to Associate Curator of Botany at Field Museum of Natural History on 23 August 1993.

New Research Project Reported

Tara Dubey • (1) Accumulation of dimilin in fungal cells. (2) Effect of dimilin on chitin synthetase of Saccharomyces cerevisiae (26108, 26109) with USDA Forest Service grant, Morgantown, WV.


30 November 1993 is coming!

This date is important to the MSA for 2 reasons:

• MEMBERSHIP RENEWALS —
The MSA Council set this as a new and earlier deadline for renewing MSA memberships for 1994.

REPORT OF THE 1993 MSA FORAY —
Lists of fungi collected and identified from the 1993 MSA foray (with other key collection information such as collection site, substrate, host, etc.) are due.

Send the information to Jim Adaskaveg, Dept. of Plant Pathology, University of California, Davis, CA 95616.

HEY!
Where is all your NEWS??
Send it in to Inoculum!
Fungi Wanted

Aquatic hyphomycetes and phcomycetes from acidic streams other than those in West Virginia for RFLP studies.

Tara Dubey •

Living cultures of Septoria species recovered from Oenothera biennis (evening primrose).

RD Reelerder •

Air-dried specimens of Capronia and Acanthostigmella (Herpotrichiellaceae) from which to obtain cultures.

Wendy Unterainer •

Dried specimens, preferably with detailed notes, of cylindrical to fusiformly stipitate species in the Cortinarius subgenus Myxacium. A reminder: these are Cortinarius species with a slimy pileus and stipe.

Michelle Seidl •

South American specimens of Bovista, Lycoperdon, Morganella, Vascellum, Abstoma, and Calvatia (other than C. lilacinà, C. rubroflava, or C. fragilis) would be most welcomed towards a monographic treatment of the Lycoperdaceae for the region. Kodachromes of fresh condition would be much appreciated.

Jorge E. Wright •

Fresh (living) or dried specimens of Ramalina americana and its allies; fresh (living) material of other Ramalina spp.

Scott LaGreca

Publications Wanted


Ahmet Asan

Equipment Available


Henry C. Aldrich

Are the needs and wants of all MSA members so simple that we have so few items submitted to the Mycological Classifieds?!

This is still one of the most effective forums for members to inform each other about specific mycological goods and services that are available or wanted.
Vacancies

Molecular mycologist, University of California, Riverside.
An 11-month tenure-track position as Assistant Professor of Plant Pathology in the College of Natural and Agricultural Sciences (21%) and Assistant Plant Pathologist in the Agricultural Experiment Station (79%), University of California, Riverside. Salary will be commensurate with qualifications and experience and based on the UC pay scale. Responsibilities: Appointee is to develop an innovative research program in the molecular genetics of fungal plant pathogens. It is anticipated that the faculty member will develop a strong basic and applied program employing molecular genetic approaches to the identification and/or control of plant pathogenic fungi. Teaching responsibilities will involve mycology and plant pathology courses and direction of graduate student research in plant pathology and the interdepartmental genetics group. Qualifications: Ph.D. degree in Plant Pathology or related biological fields required with postdoctoral training or experience in plant pathology and modern molecular genetics of fungi. Application: A curriculum vitae, statement of research interests, reprints of relevant publications, transcripts and three confidential letters of recommendation should be sent to: Dr. Noel T. Keen, Search Committee Chairman, Department of Plant Pathology, University of California, Riverside, CA 92521. Application Deadline: 1 December 1993 or later if a suitable candidate has not been selected from the original pool. Date Available: 1 July 1994. Women and minority candidates are encouraged to apply. An Equal Opportunity/Affirmative Action Employer.

The Biology/Microbiology Department at South Dakota State University invites applicants for a nine-month tenure-track teaching and research position. Responsibilities will include teaching an introductory botany course, involvement in introductory biology program, and developing advanced course(s) in area of expertise. Development of a collaborative research program in area of expertise and pursuit of extramural funding support are expected. Development of a collaborative research program in area of expertise and pursuit of extramural funding support are expected. The successful applicant must have a Ph.D. in botanical science or a closely related area, earned by 1 January 1994. Effective teaching ability or potential, skill in communicating with students, effective interpersonal relations skills, and evidence of research capability required. One year of postdoctoral research and experience in grant writing and generating extramural funding desirable. Send letter of application with curriculum vitae, statements of teaching goals and research interests, documentation of experience related to the position's expectations, and three letters of reference to: Dr. Chuck McMullen, Head, Department of Biology/Microbiology, South Dakota State University, Box 220;78, Brookings, South Dakota 57007. Telephone (605) 688-6141. Review of applications begins 6 July 1993; the position will remain open until filled. Starting date is negotiable. An Equal Opportunity/Affirmative Action Employer. [from Herbarium News]

Postdoctoral Position in Fungal Molecular Biology.
A position will become available in October 1993 for a postdoctoral research associate interested in characterizing peptide synthetase genes from ergot peptide-producing fungi Acremonium coenophialum and Claviceps purpurea. A PhD by the time of appointment is required. Previous experience with recombinant DNA techniques is desired. This is a two-year appointment with an annual salary of $22,500 plus benefits. Please send c.v., brief description of research experience/interests, and names and addresses of three references to: Dr. Daniel Panaccione, West Virginia University, Division of Plant & Soil Sciences, 401 Brooks Hall – P.O. Box 6057, Morgantown, WV 26506-6057. Call (304) 293-3911 for more information.

Manager of Graduate Studies, New York Botanical Garden.
Prestigious botanical science, horticultural and educational institution seeks a Manager of Graduate Studies to administer the Graduate Studies Program in conjunction with participating universities. Duties include teaching and advising students, preparation of budgets, fundraising, development of an active scholarly research and publication program and participation in division-wide initiatives. Must have excellent teaching record at the graduate level and solid experience administering academic programs in a graduate university setting. PhD in botany or biology with specialization in systematic and/or economic botany. Salary commensurate with experience, excellent benefits including 4 weeks vacation. Send resume to: Personnel Administrator-MGS, The New York Botanical Garden, 200th St. & Southern Boulevard, Bronx, New York 10458-5126. AA/EEO/M/F/D/V

Postdoctoral Research Associate.
The Agricultural Chemical Research Department of Rohm and Haas Company has a postdoctoral opening for a Plant Pathologist or Mycologist. This position, located at our Spring House (PA) Research Center, involves the evaluation of exploratory compounds for broad spectrum fungicidal activity. Research opportunities include understanding mechanisms of fungal resistance and pathogen/chemical/host interactions. The appointment is for one year with the possibility for a second year. The successful candidate will be a research scientist with demonstrated independence, expertise in handling fungal cultures, and proficiency in statistical techniques for experimental design and data analysis. Excellent oral and written communicating skills, a team orientation, and word processing, SAS and/or equivalent computer skills are also required.

Please send resumé or CB, transcripts and names of three references to: Dr. James D. Burke, Rohm and Haas Research Laboratories B-70, 727 Norristown Road, Spring House, PA 19477-0904. Rohm and Haas is an affirmative action/equal opportunity employer. Application deadline is 15 November 1993.

IMPORTANT NOTE TO ALL MSA MEMBERS!
All job and educational placement opportunities sent to Andy Methven, Chair of the MSA Placement Committee will be made immediately available for inspection by Andy's e-mail addresses — cfasm@uxa.ecn.bgu.edu or cfasm@uxa.ecn.bitnet
The Last Word

The long gap between the last issue of Inoculum and this will be made up, in part, by a short gap between this issue and the final one for 1993 (and the first for 1994). The fourth number will be the shortest of the year, focussing on MSA business and getting some details out of the way in preparation for IMC5 in Vancouver next year.

Several problems have plagued the newsletter this year, some of which are my fault and some of which were completely out of my control. I must and do accept the full blame for uncorrected errors in the content of the newsletter [and there have been too many of them for my liking], despite the care with which I do try to prepare the material for inclusion. Some of these errors have caused me and their victims acute embarrassment and considerable annoyance since they occurred in critical places. Two examples, both from the January newsletter, are the wrong phone number of the AAA Express Service (for travel between Hartsfield International Airport in Atlanta and Athens, and the uncorrected misspelling of the University of Georgia as the payee for checks on the registration application. I offer my sincere and profound apologies to all of you who were victimized by these uncorrected errors.

I have no help in preparing this newsletter, and it takes an enormous amount of time and attention to try to get it right. The final preparation of each number immediately before it goes to the printer takes up more of my time than I can comfortably afford – both at work (often to outrageously late hours) and at home – but, sadly, this is when most of the problems occur.

Problems in the distribution of this newsletter have been a headache for the Society. A distressing number of you failed to receive the January and/or April newsletters in a timely fashion (or never received one or both of these newsletters even though mailing labels with your names were received and, I must assume, affixed to envelopes). Such lapses in the mails understandably play havoc with close calculations that I try to do about the number of copies of the newsletter printed (requiring me to go back for several auxiliary printings of the January issue), and quickly drives up the overall cost the MSA since the inexpensive bulk rates are unavailable for these later mailings. Recipients of Inoculum outside the US seem to have been much better served (by a courier service used by Cornell University) and often receive their issues in long before the American recipients have theirs in hand.

If any of you who read the minutes and reports in this issue might notice that the MSA Council has authorized me to investigate the possibility of relieving some of the editorial burden of this newsletter by naming one or more assistant editors (much as will soon occur with a decentralization of some duties of the Editor of Mycologia), I still do not know how this might best be done, but suspect that subeditors responsible for gathering and preparing news items, the calendar, and MSA membership items (including the directory information and Mycological Classifieds) would be a huge help. I would be thrilled to speak to any of you who might be interested in helping out with Inoculum, and am prepared to help anybody seriously interested in the task to learn some of the finer points of the task.

I must also note out that next year will be the last year of my three year term as editor. The redesign of the newsletter was the hardest part of my charge, and my successor will have plenty of models to use as a model and for reference on ways of assembling this gigantic jigsaw puzzle. Somebody will have to do the job or be in overall charge of it; I do not believe that it will be as hard a task as many of you imagine must be. The interest and dedication to get the job done are the major requirements for the editor; I have been helped in my term by having excellent computer facilities and access to a large collection of fonts that help to “make” the look of the newsletter. I will be happy to serve as a consultant for whomever follows me as the editor of Inoculum.

Rich Humber

The deadline for receipt of items for the next newsletter is:

Friday,
20 November 1993

Please submit all items by electronic mail if this is reasonable for you. There is no need to send computer disks for items that are only a few lines long. For longer items, computer disks labelled with the format (DOS or MAC), word processing software, and title of the file with your items are much appreciated. Include hard copy of the information on the computer disk.
Richard A. Humber
USDA-ARS Plant Protection Research Unit
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Page 1
Inoculum
Newsletter of the Mycological Society of America

QUESTIONNAIRE
Information for the Newsletter

Submit this sheet or other material to the Editor at your earliest convenience. **Early submission of material will expedite the preparation and issuance of Inoculum.** *Inoculum* will be issued four times a year, in January, April, October, and a month before the Annual Meeting (with the program, abstracts and other related material).

⇒ ⇒ Please be sure that information for the Newsletter is legible (preferably, readable by scanning software).

I strongly encourage you to send text on 3.5 inch disks in Apple Macintosh or IBM/compatible formats. In addition to ASCII text files, word processing files created by MacWrite, MS-Word, or WriteNow (for Macintosh computers) or by MS-Word or Word Perfect (for IBM or compatible computers) can be used. Send both the disk and hard copy of the material and a self-addressed stamped envelope (if you wish the disk back). Submissions by electronic mail to my Internet mailbox (see above) are also encouraged.

Name: ___________________________________________ [ ] Address change

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

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SUGGESTED ITEMS FOR SUBMISSION:
[Use the current *Inoculum* as a model]:

Major and minor news items of interest to MSA members
Announcements to MSA
Forthcoming events, meetings, workshops, etc.
Official business of MSA and its committees
News from affiliated societies
New research projects
Mycological essays
Mycological humor
Mycological artwork
Foray checklists
Changes in affiliation
Honor, awards or promotions received
Mycological travel
Other personal news
Letters to the Editor
Fungi wanted or available
Mycological services available or needed
Publications available or sought
Computer software available or sought
Employment available or sought
Fellowships available or sought
... or anything else you feel is appropriate!

Use the back or attach additional pages as needed!
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You are encouraged to inform the Sustaining Membership Committee (Van Cotter, Chair) of firms or foundations that might be approached about Sustaining Membership in the MSA. Sustaining members have all the rights and privileges of individual members in the MSA and are listed as a Sustaining Members in all issues of Mycologia and Inoculum.
INDICES TO MYCOLOGIA
Volumes 1 – 80

The recently published Index covers Volumes 59-80 of Mycologia and complements the previous Index to Volumes 1-58. The Indices are an integral part of Mycologia and are references that are never out of date. Both indices provide access to information by way of a Fungous Index, a Host Index, and a Subject Index. They are useful references even if you don't own a full set of the journal. As a special offer to MSA members, you can purchase both of these Indices for the price of one. Make your set of Mycologia even more valuable by having an index to information in all of the volumes published through 1988. Save yourself a trip to the library by owning your own Indices!

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