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Mycological Society of America

NEWSLETTER

Volume 42, No. 2; October, 1991

Terrence M. Hammill, Editor

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COVER ILLUSTRATION: Basidia and basidiospores of an unknown bolete.
Micrograph by Steve Watson; submitted by Ed Setliff and S. Watson.
Dear MSA Members:

It is an honor to have this opportunity to serve the society as president. Since my formal mycological training has its roots in the mycological tradition of the University of North Carolina at Chapel Hill, this opportunity carries with it a sense of legacy left by Drs. John N. Couch and Lindsey Olive who, sharing this same source of mycological training, also served the society as president. For me this legacy comes with a strong sense of responsibility to our society.

I think all would agree that the recent meeting in San Antonio was outstanding, both in the quality of presentations and congenial surroundings. Our society is indebted to Dr. George Carroll for his excellent and creative organization of the program and to Dr. Robert Koehn for his work and patience making local arrangements and extending "Texas hospitality" to all who attended. Meticulous attention to society matters characterized the services of outgoing president Dr. Donald Barr and secretary Dr. Donald Pfister. The society thanks organizers of symposia and outgoing members of committees. I also express special thanks to the teaching committee chaired by Dr. Michael Tansey for producing the "What Can You Do with Training in Mycology" poster. Congratulations go to winners of awards and appreciation to the members of the awards committee, chaired by Dr. Georgiana May, for the many hours of work put into making selections.

You will find in this issue of the Newsletter a listing of society organization. I was invigorated by how members enthusiastically accepted invitations to work for the society in official capacities, but there are others who have ideas and commitment to MSA who have not been specifically asked to serve. Even if you are not on a MSA committee, there is much that each member can do to increase the impact MSA has in advancing mycology as a discipline. This is my invitation to each member to do just that, contribute in your own way to the society. Below I list ten suggestions as to how members can work for the society, hoping that interested members will take action.

1. If you are at a teaching institution, you can insure that fungal examples are included in biology courses, even if they are not entitled "mycology". Teach your colleagues about how fungi can serve as simple examples of biological principles. To facilitate this activity, the teaching committee is collecting straight-forward experiments using fungi that even nonmycologists can succeed with in the classroom. Thus, if you have suitable experiments that you are willing to contribute to the effort, please pass these along to Dr. John Clausz, chair of the teaching committee. This collection will be edited and made available to members, hopefully aiding mycologists as well as non-mycologists.

2. More than power in numbers, a membership representing the diversity within the field of mycology brings a collective wisdom to our society. MSA membership is down 20% from a decade ago, yet mycology as a discipline has never been more important than it will be as we enter the next century. If you know of a mycologists who could contribute to and benefit from MSA, why not explain to them what the society is and invite them to join? If you supply me with their name, address, and area of research, I would be pleased to "officially" invite them to join also.

3. Despite the success of the meeting at San Antonio, there was one thing wrong. The number of student registrants was down, and expense was probably was one contributor to the decline. Our meeting in Seattle with the American Phytopathological Society should be a wonderful professionally experience for our student members, but again it will be costly to register and attend. Based on Dr. Henry Aldrich's suggestion,
the MSA council has approved travel awards to help defray expenses, encouraging student participation. There are, however, no funds available yet in the endowment for this activity. Recognizing the legacy each of us has received from our mentors, donations made in honor or memory of mentors will be used for these awards this year. Each student award will carry the name of a mentor. If you are interested in contributing to this effort, please find in this issue of the Newsletter how this can be done. In future years with contributions to the endowment fund, interest could be used for activities such as these. Members with longer-term visions for the society can contact Dr. George Carroll, the new chair of the endowment committee.

4. Often mycology is neglected at the national level where important decisions on biology are being made. The council is making an effort to correct this deficiency and is aggressively pursuing avenues whereby mycologists can provide information for decision-making bodies. For example Dr. Mike Allen is serving as MSA liaison to the committee on the National Institutes for the Environment and Dr. Joe Ammirati is the society liaison on Biodiversity. These representatives need your ideas and input, and you should feel free to contact them directly.

5. Placement of our students in mycology is a major concern. Many of us are contacted about positions but have no avenue to assess which students are looking for jobs. Dr. Andrew Methven (Eastern Illinois University) is the new chair of the placement committee, and he will be serving as a "central clearing-house" for information about jobs and placement. Thus, if you know of job openings, contact Dr. Methven. If you are looking for a position, send a copy of your curriculum vitae for his files.

6. Publication of the 22-year Index for Mycologia financed by the society is now a reality thanks to the publication committee with Dr. Mary Palm as chair. This can be purchased through the Mycologia office at the New York Botanical Gardens. Make certain that your library buys a copy.

7. Obviously Mycologia is only as interesting as the articles it contains. Consider submitting your most exciting research to the society's official journal which, in the words of Dr. Charles Mims, is "MSA's window to the world".

8. Our sustaining members provide funds critical for student awards and fellowships. Look at the list of sustaining members on the back cover of Mycologia, support them when possible, and let them know you appreciate their support of MSA.

9. Soon there will be a request for an increase in dues to MSA. I am asking members to support this request for the well being of the society and the continuation of its activities. Council has tried to delay this request as long as possible, but several factors make this request inevitable: (a) the dramatically increasing costs of postage, telephone, and accounting; (b) the rising production costs of Mycologia and the Mycological Society of America Newsletter; (2) the decline in interest rates returned on society assets, and (3) the inability of many "home institutions" of officers and representatives to absorb much of the society's operational costs as they have generously done for many years.

10. Finally do you have ideas as to how the society can be even more effective? If so communicate these with your officers or committee chairs. You do not have to wait to be asked.

Sincerely,

Martha Powell

Martha J. Powell
SOCIETY ORGANIZATION 1991-1992

I. OFFICERS AND COUNCILORS

OFFICERS
Vice-President, 1991-1992 ............... Ronald H. Petersen
Secretary, 1991-1994 ..................... Mary Palm

COUNCILORS
Canada, 1990-1993 ....................... James H. Ginn
Cytology-Genetics, 1991-1993 .......... Rytas Vilgalys
Ecology-Pathology, 1990-1992 ........ Elwin L. Stewart
Morphology-Taxonomy, 1990-1992 ...... Joe Ammirati
Physiology-Biochemistry, 1991-1993 .... Robert Ullrich

OTHER COUNCIL MEMBERS
Past President, 1990 ..................... Charles Mims
Past President, 1991 ..................... Donald J. S. Barr

II. OFFICIAL REPRESENTATIVES

Representative, Committee of Section G, Biology,
American Association for the Advancement of Science,

Representative, Governing Board,

Representative for Public Responsibility,

Representative, Biological Stain Commission,
1989-1992 .................................. T. M. Hammill

Representative, Association of Systematic Collections,
1991-1994 ................................. Amy Rossman


Representative, United States Committee,
International Union of Microbiological Societies (IUMS)
1991-1995 ................................. Roger D. Goos

Representative, International Mycological Association (IMA)
1989-1993 ................................. Donald J. S. Barr

Representative, Committee for the National Institutes
for the Environment (NIE), 1991-1995 .... Mike Allen
III. EDITORS

*Mycologia*
Editor-in-Chief................................. David McLaughlin
Managing Editor................................ Roy E. Halling
Book Review Editor............................ Dean A. Glawe
Index Editor........................................ David F. Farr
Editorial Board....................................
James H. Ginns, Richard Humber, Carlene Raper, 1992
James B. Anderson, John W. Taylor, 1993
Martha Christensen, Cletis Kurtzman, Rytas Vilgalys, 1994
Allen Jaworski, Gary J. Samuels, Paul J. Szaniszlo, 1995
Michael Dykstra, Gary Leatham, Thomas Harrington, 1996

*Mycological Society of America Newsletter*
Editor, 1991-1994.............................. Richard Humber

IV. STANDING COMMITTEES

*Mycologia Memoirs*, Board of Editors
James H. Ginns, Chair, 1989-1992
Richard Howard, Chair, Membership Committee, *ex officio*
Mary Palm, MSA Secretary, *ex officio*

Committee on Finance
F. Brent Reeves, Jr., Chair, 1989-1992
Harold W. Keller, 1988-1992
Roger D. Goos, 1990-1993

Advisory Committee on Nomenclature
Don R. Reynolds, Chair, 1990-1993
Roy E. Halling, 1990-1992
Scott A. Redhead, 1990-1993

Committee on Membership (Sustaining)
Richard J. Howard, Chair, 1989-1992
W. C. Rosing, 1989-1992
C. G. Van Dyke, 1989-1992
Tommy Sewall, 1991-1993

Committee on Placement
Andrew Methven, Chair, 1991-1994
W. L. Austin, 1989-1992
Mike Vincent, 1991-1993

Committee on Endowment
George Carroll, Chair, 1991-1994
Melvin S. Fuller, 1989-1992
Rytas Vilgalys, 1989-1992
Martha Christensen, 1990-1993
F. Brent Reeves, Treasurer *ex officio*, 1989-1992
Committee on Teaching Mycology
John Clausz, Chair, 1991-1994
Judy T. Ellzey, 1989-1992
K. M. Foos, 1990-1993

Committee on Publications
Richard T. Hanlin, Chair, 1990-1993
George Carroll, Chair, Endowment Committee, *ex officio*
David J. McLaughlin, Editor-in-Chief, *Mycologia, ex officio*
James H. Ginz, Chair, *Mycologia Memoirs* Board, *ex officio*
Richard Humber, Editor, *MSA Newsletter, ex officio*

V. ROTATING COMMITTEES

Program Committee
Gerald Bills (Morphology-Taxonomy), Chair, 1988-1992
Allan Jaworski (Physiology-Biochemistry), 1990-1993
Rytas Vilgalys (Cytology-Genetics), 1989-1994
Elwin L. Stewart (Ecology-Pathology), 1990-1995
Steve Miller (Morphology-Taxonomy), 1991-1996

Committee on Awards
Scott Redhead, Chair, 1988-1992
Robert W. Roberson, 1989-1993
J. C. Cooke, 1990-1994
Linda Kohn, 1991-1995
Richard Howard, Chair, Membership committee, *ex officio*

Committee on Annual Lecturer
Robert Ullrich, Chair, 1989-1992
Paul J. Szaniszlo, 1990-1993
Don Hemmes, 1991-1994

Committee on Culture Collections
Richard A. Humber, chair, 1988-1992
Gary J. Samuels, 1989-1993
Lynn Sigler, 1990-1994
Steve Petersen, 1991-1995
Mary Palm, MSA Secretary, *ex officio*

Committee on Nominations
James M. Trappe, Chair, 1989-1992
Martha Christensen, 1989-1993
Charles Mims, 1990-1994
Harold Burdsall, 1991-1995

Committee on Phytopathology
Elwin Stewart, Chair, 1989-1992
Larry F. Grand, 1990-1993
Larry Dunkle, 1991-1994

Committee on Medical Mycology
C. R. Cooper, Chair, 1990-1992
R. C. Summerbell, 1990-1993
Mike Dykstra, 1991-1994

Committee on Ecology
J. C. Zak, Chair 1989-1992
Bob Pohlad, 1990-1993
Mike Allen, 1991-1994
Committee on Liaison with Amateur Mycological Societies and Clubs
W. Litten, Chair, 1989-1992
J. H. Haines, 1990-1993
Elizabeth Farwell, 1991-1994

VI. SPECIAL COMMITTEES AND ASSIGNMENTS

Foray Committee
William B. Cooke, Chair
Gerald Benny
Clark Rogerson
Robert Gilbertson
Mary Palm, MSA Secretary, ex officio
Meredith Blackwell, President elect, ex officio
Martha Powell, President, ex officio

Committee on Publication of Memorials
David J. McLaughlin, Editor-in-Chief, Mycologia, Chair
Sabine Huhndorf, Historian
Martha Powell, MSA President

Smith Award Committee
Tim Baroni, Chair
James Trappe
Nancy-Smith Weber
Harry Thiers

Historian
Sabine Huhndorf

Ad Hoc Committee on APHIS Permits
Amy Rossman, Chair
S. C. Jong
Hal Burdsall, Jr.

Ad Hoc Committee on Mentor Awards for Student Registration
Henry Aldrich, Chair
Gerald Benny
James Kimbrough

Ad Hoc Committee on Society Logo
Meredith Blackwell, Chair
Gerald Bills

Ad Hoc Committee on Nomination of AAAS Fellows
Don Pfister, Chair
Charles Bracker

Liaison on Society Incorporation . . . . . . . Lafayette Frederick

Liaison on Biodiversity . . . . . . . . . . . Joe Ammirati

Liaison for Conservation of Cultural Resources . Greg Mueller

MSA-APS 1992 Joint Meeting-Local Organization Contacts
Local Liaison-Jeffrey Stone
Local Foray-James Trappe and Michael Castellano

VII. AFFILIATED SOCIETIES

The Boston Mycological Club
Illinois Mycological Association
Oregon Mycological Society
Minutes

MID-YEAR MEETING OF THE MYCOLOGICAL SOCIETY OF AMERICA OFFICERS
9 AND 10 MARCH 1991
FARLOW HERBARIUM, HARVARD UNIVERSITY
Cambridge, Massachusetts

1. The meeting was called to order by President Donald Barr at 9:00 AM. In attendance were Donald Barr, Martha Powell, Meredith Blackwell, Brent Reeves and Donald Pfister.

2. After checking the agenda for additions and corrections, Barr made some brief comments regarding his view of the Society and the general lack of participation of mycologists in the mainstream of biology.

3. Barr reported on several activities related to organizations to which MSA is affiliated, particularly as regards various meetings. We did not send a delegate to a special meeting in January of AAAS on funding and morale in academic institutions because of short notice. Mauritz Anderson attended the meeting of the Institute of Food Technologists in November 1990. A draft report was received and will carry the MSA's endorsement following Council approval. The report deals largely with topics tangential to mycology. We were invited to send representation to the American Society of Agricultural Engineers workshop entitled "Our Biosphere...Our Responsibility." Due to the nature of the workshop which allowed little participation from those in attendance, Barr decided not to send a delegate. The draft of the workshop will be reviewed. The National Institute for the Preservation of Cultural Property has contacted the Society regarding a meeting they plan to have at the AlBS in August. Amy Rossman will be asked to coordinate with the group and it is hoped that a council member will be able to attend the meeting in San Antonio.

4. Responding to a letter from Jim Ginns regarding the need for the Society to become involved in computer databases, Barr suggested the formation of a small ad hoc committee to investigate options and possibilities for involvement in the larger community. Barr will form the committee asking Ginns to chair it. The committee will be asked to report at the August Council meeting.

5. A request regarding exchange with Chinese scholars has been referred to Mike McGinnis as chairman of the Medical Mycology Committee.

6. Barr has appointed Tim Baroni chairman of the Alexander Smith Fund Committee.

7. At this date there has been no response from the Mexican Mycological Association to an invitation asking for participation in the San Antonio meeting.

8. The Officers reviewed a letter thanking the Society for the provision of back copies of Mycologia. This is part of the agreement made between the Garden and the Society voted at the last Council meeting whereby Mycologia was sent to various needy institutions. Pfister reported that other letters of thanks had been received and that the Garden had now sent all twenty authorized sets of the journal.

9. We received notice of the death of Lilian Hawker who was a corresponding member. Barr will contact David McLaughlin about the possibility of a memorial in Mycologia.

10. The Secretary reported on a nomination for corresponding member that had been received. The Officers asked the Secretary to try get more documentation and evaluation in this particular case and also asked that an ad hoc committee be established to look into the mechanism of nomination of corresponding members. We should aim to have broad representation among the Corresponding members.

11. The Secretary also reported on the current state of the directory. All entries have been proof read and standardized. The format will include all the items that are now printed in the directory.
12. The Treasurer provided an interim report on the finances of the Society. After general discussion of the report the Treasurer pointed out that there were several areas where the Society will experience some extraordinary expenses, particularly related to publication of the *Mycologia Index*. The Treasurer will pursue the situation. It was agreed that, as recommended by Hal Burdsall, the money generated by the Madison meeting should be placed in the Endowment Fund and the Officers asked that it be placed in the Publication subfund.

13. Vice-President Meredith Blackwell reported on the nomination of Officers. They are as follows: Vice President - Ronald Petersen and Donald Pfister; Secretary - Richard Howard and Mary Palm; Councilor East - Timothy Baroni and David Farr; Councilor For Genetics/Cytology - John Leslie and Rytas Vilgalys; Councilor for Physiology and Biochemistry - Thomas Bruns and Robert Ullrich. There were 24 ballots cast. The nominating committee was chaired by Henry Aldrich and included James Trappe, Martha Christensen, and Charles Mims.

14. We received a letter from Michael Dykstra pointing out an error in the 1990 Council meeting minutes. We erroneously stated that the symposia of the 1990 meeting were the first to be sponsored. Dykstra corrects us pointing out that Meridian Diagnostics had previously supported a symposium at the 1986 MSA meeting. We thank Michael Dykstra for pointing out our error and thank Meridian Diagnostics for their support of the symposium.

15. The Officers received the report from an ad hoc committee chaired by James Anderson which provided recommendations for the reorganization of the Councilor positions. The report recommended the recognition of four interest areas which roughly parallel the four groups now recognized. They are: Ecology/Pathology, Systematics/Evolution, Genetics/Molecular Biology, Cell Biology/Physiology. These are generally defined in the committee report but the committee will be asked to define each of these further. The Secretary will prepare revised bylaws covering Article VI (B) for the August Council meeting which will incorporate the previous vote of Council regarding the elimination of geographic representation.

16. Powell reported on her success to date in the membership drive. She had selected members who had not renewed. She wrote to them asking them to renew and for their comments on the Society. She got a good response. About 40 people have rejoined the Society through her efforts. In addition she has asked Councilors to recommend individuals, not currently members, who should be contacted. She will do one more promotional mailing this summer. She will also prepare a flyer to promote membership. Barr thanked Powell for the excellent job she has done in securing new individual members. She will present a report at Council meeting. Some work will be done on logos and other promotional items.

17. The Officers agreed that Barr should reappoint Roger Goos as the representative to USNC/IUMS. In a letter Goos suggested that the Society should appoint a standing Committee on International Relationships. Barr will ask Goos to be more explicit in his suggestions and provide a mandate for the committee.

18. Several points were discussed regarding IMA and IMC-V. Barr reported that three North American members were elected to the IMA Council -- Blackwell, Carroll, and Ross. In addition the Vice President is E. J. Moore-Landecker and the Secretary-General is Cletus Kurtzman. Thus North America is well represented. The 1990 changes in the IMA constitution were discussed. Under the new constitution there are two types of members: affiliated and sustaining. The Officers felt that we were in the Sustaining category with dues of $400 per year and authorized the Secretary to communicate that to Kurtzman.

IMC-V plans seem well underway. Tony Griffiths of Vancouver is the Director General of IMC-V. The program committee is chaired by Brent Heath. MSA is not involved in the formation of the committee. There are some questions about the publication of the Proceedings of the Congress. David McLaughlin has been contacted. Barr has suggested to Griffiths that MSA should have a representative on his local
committee which acts as liaison between the two organizations.

19. There seems to be no particular progress on the APHIS project of listing pathogenic fungi. We have further indication that the process of gaining permits is not going smoothly.

20. Several names were suggested for our representation for AAAS. The Officers were in agreement that travel expenses should be paid for the attendance of our representative at the AAAS Biological Science Committee meetings. The Officers recommended the payment of airfare and expenses up to $250.

21. We discussed the Placement Committee. It has been inactive for the last few years, but the Officers felt that it should be activated.

22. Discussion of the Long Range Planning Committee Report was introduced by Martha Powell who had collected comments from Council members. Several items will be brought to Council for consideration. These will be brought in the form of a series of motions, provided below, with the recommendations of the Officers. Some of these if approved will require significant by-laws changes. Items dealing with the subject areas are covered above. In terms of general comments it was pointed out that those polled did not think that subject area committees involved with the program would be successful in a small society such as ours. It was felt that these would lead to fragmentation and separation of the Council from subject areas.

Motion #1 - That the subject area Councilors serve as the program committee with the president-elect as chair of the program committee.
Recommendation: The Officers voted 4 to 1 against this motion.
Explanation: The functions of the program committee seem to be carried out well at this time. Some of the respondents suggested that we should not try to improve a system that is already working well. Some of the Officers felt that the rotation of Councilors is such that it would be difficult for any of them to serve effectively on the program committee without having the several years experience.

Motion #2 - The Society should establish an executive committee to meet as necessary to 1). monitor progress of committee activities, 2). execute plans of Council, 3). plan additional activities. Any one member of the Executive Committee may refer a decision of the committee to the full council for consideration. The executive committee would be composed of the immediate Past President, the President, the President Elect, the Vice President, the Treasurer and the Secretary.
Recommendation: The Officers unanimously support the formation of an officially recognized Executive Committee.

Motion #3 - The Council will transfer the power to authorize additional expenditures (those above the level approve by council) from the Finance Committee to Council.
Recommendation: This was unanimously supported by the Officers.

In addition to the above motions the Council made other suggestions and comments regarding the Long Range Planning Committee Report.
Publications -- It was recommended that the President ask the Publications Committee to prepare a statement outlining the committee's mandates and guidelines for its operation. The comments received to date suggest that the committee should A) oversee and coordinate all publication efforts with final control resting with editors, managing institutions, and the Memoir Committee; B) work with sustaining membership committee to secure subsidies for publications; C) work with education committee on developing materials for high school and college level students, with the possibility of marketing them with a commercial firm; D) consider publication of a revised careers booklet.

On the issue of Associate Editors for Mycologia, those who responded to Powell suggested that it should be up to the new editor to establish these positions.
Several recommendations were made about the contents of *Mycologia*. These were that reviews, symposia and edited abstracts should be considered for publication. Officers were quick to point out that publication of any of these items would reduce the number of pages available for research papers unless significant new funds were raised.

Motion #4 - Non-members may publish in *Mycologia* but with the payment of page charges at either the same or a higher rate than is offered to members.
Recommendation: The officers were split on this issue 2 to 2 with 1 abstaining.

Newsletter - There are mixed impressions about the newsletter. It was pointed out that it is more expensive per page than *Mycologia*. The officers feel that the format, content and frequency of the Newsletter should be changed. In order to reduce the materials now published in the Newsletter, the following motion will be made for discussion at the Council meeting:

Motion #5 - Financial reports from the Treasurer and the Secretary reports will be published in full in the Newsletter. Summaries of other committee reports will be published in the Newsletter with a note advising that full committee reports are available upon request from the Secretary. A handling fee will be charged.
Recommendation - This motion receives unanimous support of the Officers. It will be essential that good archives be kept.

Two final recommendation from the respondents were made: 1. That the Society actively participate in the Society of Scientific Presidents. 2. That Barr should contact the Sustaining Membership Committee to develop a packet of material stating the benefits of membership. This would involve the ways in which we can promote their interests, etc.

23. Palm supplied a full report and sample pages of the new *Mycologia Index*. The Officers reviewed the budgets and the progress. **Palm asked the Officers to set a price for the Index for non-members.** After some discussion the Officers recommended a price of $70.00 for institutions. Council had previously approved a price of $40.00 (pre-publication) and $50.00 (after publication) for members. Prepublication price should be offered until 1 October pending delays and readjustments. Palm may shift the date if needed. Regarding the handling of the billing for the Index the officers felt that it was best for Palm and her committee to make the choice between NYBG and Allen Press. Allen Press offers a more competitive price while the Garden offers a continuity with *Mycologia*. Officers suggested that if we were permitted to sell the Index at the meeting we could. It would be up to Palm. Alternatively we could supply order forms at the meeting.

Palm also addressed the question of finding a new publisher for the Mycologia Memoirs. The officers support Palm’s efforts and encourage her to get comparative estimates from APS and other presses.

24. Clark Rogerson wrote that he had extra copies of the Newsletter that needed to be disposed of. Pfister was to ask Clark to extract four copies for the auction at the San Antonio meeting. Newsletter availability will be advertised in the next Newsletter. Those not claimed by 1 October should be discarded.

25. Clark Rogerson will be giving up the position of Historian and has suggested Sabine Huhndorf be appointed.

26. The Officers considered the comments of Georgiana May, chairman of the Awards Committee. The Officers support her ideas about simplifying the application process for the Graduate Fellowship. We encourage the Awards Committee to develop promotional material regarding the awards. In answer to a specific question regarding the Alexopolous Prize the Officers felt that nomination should stand for two additional years and after that time updates should be requested. Under extraordinary circumstances the
award could be given to two individuals in a single year but only if both were in their last year of eligibility. The Officers felt that graduate students should not be eligible for both the oral and the poster presentation prizes. Students should choose which of the competitions they wish to enter. May will be asked to revise the description of the committees activities and functions.

27. The group reviewed a report submitted by Hal Burdsall on the requirements and operation of independent meetings. We thank him for his useful report and will incorporate it as an appendix in the Operations Manual.

28. A Council mailing will be done to seek authorization of the presentation of a special service award to the Lubrechts. This would recognize their work for the society. Blackwell will prepare material and oversee the award.

29. There are several areas in which the Society perhaps should be involved. These have to do with biodiversity and the environment. The Society has been asked to support the Center for Biodiversity. Since we have an ad hoc committee on Biodiversity chaired by Joe Ammirati, Barr will contact the Committee to solicit their opinion. We have also received a resolution in support of the National Institute for the Environment. This is being reviewed by Michael Allen, chairman of the Committee on Ecology. We will seek a council vote if needed and, if the resolution is approved, we will designate a representative.

30. Martha Powell addressed two issues having to do with NSF. First, we have three reviews from the travel grant submitted in support of IMC-IV travel. There was discussion about the ways in which the grant was handled by NSF and the misleading advice that was received. Efforts will be made to address some of the criticisms expressed with this proposal when the next proposal is prepared. Blackwell will be in charge of writing it. Second, Powell pointed out that there was a task force to evaluate the Directorate of NSF. At a very late date we were asked to send documents but there were no mycologists involved in the committee work and testimonies. We were represented somewhat indirectly by the Botanical Society of America but it raises several issues about our lack of representation at NSF. We should perhaps make sure that we are involved in BSA by sponsoring a joint symposium. It also points out that we should make an effort to prepare a societal agenda for use at such times.

31. The agenda and meeting schedule for the Council meeting in August was discussed. Barr stated that he felt that business was often done in a rushed way and that the length of the meeting should be increased. To do this he has arranged for us to have a meeting room for the entire day on Sunday including the evening. The officers decided to use the evening session to receive summaries of committee reports and to discuss them. If chairmen of committees are unable to attend they will be asked to send a delegate. All members are invited to attend Council meetings; an announcement to that effect will be made in the Newsletter.

32. Blackwell was asked to check with our local representative for this summer’s meeting, Robert Koehn, and Program Chairman, George Carroll, about plans for the auction. She will check the Endowment Committee about plans for printing tee-shirts.

33. The future meeting sites are listed below with discussion:

1992 - Portland, Oregon with APS

1993 - Officers will recommend accepting an offer to host an independent meeting at the University of Georgia presented by Charles Mims. AIBS will be meeting at Ames, Iowa in 1993.

1994 - The International Mycological Congress will be held in Vancouver in 1994. The
Officers recommend no MSA meeting in 1994 but that MSA plan to have a Business meeting, Council meeting and Presidential address at Vancouver. This will be referred to the IMC-V local organizing committee.

1995 - It was generally felt that it would be appropriate to meet with AIBS in 1995 because it is important to remain in contact with the groups represented by AIBS. We have an invitation to meet again with the Canadian Phytopathological Society but their meeting place for 1995 has not yet been finalized. Blackwell is to investigate possibilities for a meeting with them.

1996 - The Canadian Phytopathological Society is meeting in Saskatoon, Saskatchewan but the Officers felt that there would probably be significant difficulties in easily travelling there.

34. A proposal was reviewed from Allen Press. Allen Press would take on the maintenance of our membership lists and dues collection. Were this to be done the Society would be committing to an additional financial obligation but the services would relieve the Treasurer particularly and the Secretary of some of the routine work they now perform. A contract will be prepared for the Council meeting at which time there should be discussion. Were the plan to be accepted, it would be implemented in the last year of Brent Reeves’s term. Since agreeing to such a plan would undoubtedly require that dues be increased, we will need to prepare documentation on the projected increases in the production of Mycologia as well. The Officers are in favor of moving these services to Allen Press.

35. In line with the President’s opening comments regarding the role of the Society in national and international activities, Barr introduced a discussion about ways in which we might work toward broader recognition of the Society and its members in the scientific community. He has referred to the Awards Committee the possibility of nominating someone from the Society for the AIBS Service Award. He will also assure that nominations be put forth for AAAS Fellows by working through our AAAS section representative. The Officers agree that the Awards Committee should move forward with nominations. Martha Powell, as President Elect, will look into the nomination of Society members to the AIBS Board of Directors.

36. A draft of the Society’s Operations Manual was given to the Officers and revisions were requested. The Secretary will have another draft version ready for the Council meeting.

The meeting was adjourned at 12:35 PM on 10 March after nearly 12 hours of meeting.

Respectfully submitted,

Donald H. Pfister, Secretary
1. The meeting was called to order by President Barr. Councilors Porter, Ginns, and Anderson were absent; also Past President Burdsall was absent.

2. The agenda was reviewed and revised.

3. Election results were announced by Blackwell.
   - Vice-President: Ronald Petersen
   - Secretary: Mary Palm
   - Councilor East: David Farr
   - Councilor Genetics-Cytology: Rytas Vilgalys
   - Councilor Physiology-Biochemistry: Robert Ullrich

   There was some discussion of nomination procedure which generally seems to be working. 250 ballots were cast in the election which is a reasonably good turnout. Nominations were still low.

4. President's business covered five topics:
   A. The Society was invited to participate in a meeting of the American Society of Agricultural Engineers in Chicago. The workshop "Our Biosphere...Our Responsibility" provided little chance for interaction and our designated representative Cletus Kuntzman and Barr agreed that there would be little point in MSA participation. So MSA did not participate.
   B. Jim Ginns suggested that MSA should look into database systems for collections and systematic information. Ginns was asked to chair an ad hoc committee but declined. Powell will look into setting up the committee.
   C. Following the resignation of Harry Thiers as chairman of the Smith Fund, Tim Baroni was appointed.
   D. The Society has been invited to participate in various planning meetings held in San Antonio by the National Institute for the Conservation of Cultural Property. Participants will report.
   E. President moved to thank program and local arrangements committee. George Carroll and Robert Koehn.

5. The Secretary's report was read.
6. The Treasurer reported on current finances.

A. A transfer of $3,000 from Reserve Fund to Life Membership fund was approved by Council. This will allow the Life Membership Fund to pay for life members subscriptions from interest income.

B. The Council approved unanimously the placement of the income from the Madison meeting in the General Endowment Fund. This will allow a flexible use of the funds.

C. Reeves reported that $13,450 would be paid from the publication fund as the last major expenditure related to the Mycologia Index.

D. Reeves reviewed estimated expenses particularly those related to this meeting and Council agreed to award a maximum of two awards each for graduate student posters and oral presentations. The change should be reflected in the Manual of Operations. Expenditures of $2,300 were approved for the current Program Committee.

E. It was pointed out that the auditor's report should be published in the Newsletter.

7. Report of Editor-in-Chief, Mycologia. The full report is given elsewhere. Discussion centered on changes in the journal format and on a request to publish symposia from IMC-5.

A. On the question of IMC-5 symposia, the editor was asked if Mycologia would be able to publish the symposia as a part of Mycologia. The IMC program committee would like to find a way to provide the published symposia as a regular part of the journal so that all members would automatically receive it. This would need a considerable subsidy and special editorial considerations. The question was referred to the Mycologia editorial board and to the NYBG publications office for a feasibility study. Council voted 7 to 2 to ask NYBG to explore the feasibility of publishing the symposia for IMC-V as a supplement to Mycologia and to make recommendations. Concerns were expressed regarding late-joining members, the costs, and communications between IMC-V organizers and the Society. The Editor of Mycologia is to be the contact and spokesman and Joe Ammirati is to be informed as our liaison with IMC-V. A motion was unanimously approved that the venture must be self-financing.

B. Council approved the nomination of three editorial board members based on editorial board nominations: Michael Dykstra, Gary Leatham, and Thomas Harrington. A motion stating that it is recommended that members of the editorial board should not serve consecutive terms was passed with a vote of 6 in favor, 3 against, and 1 abstaining.
C. Several motions and much discussion related to changes in journal policy or format.

   i. It was unanimously approved that associate editors for Mycologia should be established.

   ii. The question of the policy for non-members publishing in Mycologia was referred to the editorial board. With the suggestion that they should consider differential page charges and/or a submission fee.

   iii. It was moved that Councilors recommend that the Editorial Board establish subject subsections in Mycologia. This was unanimously approved.

   iv. The Editorial Board was asked to consider bringing a name change for the journal to council.

   v. The Editorial Board should consider mechanisms for the solicitation of manuscripts for Mycologia.

   vi. It was moved that abstracts should be published in Mycologia. This was defeated 6 against, 4 in favor.

   vii. It was moved that Council approve an increase in page size. This was accepted 9 for, 1 against. Roy Halling noted that NYBG will need to approve. There will be financial considerations. This led to discussion of history of Society and journal association.

   viii. The question of rapid review of manuscripts was referred to the editorial board to formulate policy.

   ix. It was moved that Council approve in principle the appointment of a production editor for Mycologia. This was narrowly passed 4 in favor, 2 against, 3 abstain. If implemented, this would require finding a volunteer. A determination of costs to NYBG and willingness--it it were a paid position--will be required. There was some discussion of subscription prices at this time.


   A. Concern was expressed over increased manufacturing costs and increases in costs associated with "revisions and remakes."

   B. It was noted that Mycologia was not listed in the last Allen Press catalogue. Roy Halling will check into it.

   C. Powell and Reeves both questioned calculations of overhead
and direct and indirect costs as now assessed by NYBG. It appears we are paying direct costs for overhead items. Halling will investigate.

D. Questions were raised about cost of producing Mycologia and how we are servicing both Society members and subscribers. It was decided to ask Ron Petersen to look into various costs and the ways in which other journals operate.

E. Wording for an addition to the Instructions to authors was discussed which would cut down on revisions in page proof changes.

F. Council recommended against a reduction in type size for book reviews but recommended a type size reduction in the materials and methods section. Council recommended leaving the Literature Cited section as it is regarding type size.

9. Report of Editor and Managing Editor of Mycologia Memoirs. Four manuscripts were published this year. No manuscripts are in hand.

10. Report on the Newsletter. Terry Hammill will be stepping down as editor. Council voted unanimously that substantial changes should be made in the Newsletter. Changes should be considered such as type of material included, format, and a quarterly publication of the Newsletter.

11. Discussion of proposed change in Councilors representation. Council unanimously noted to propose by-law changes as follows:

The Council shall consist of the President, President-Elect, Vice President, Secretary, Treasurer, the two preceding Past Presidents, and eight Councilors representing four subject areas: (1) Ecology/Pathology, (2) Systematics/Evolution, (3) Genetics/Molecular Biology, (4) Cell Biology/Physiology. Councilors are elected for two year terms. The Vice-President shall automatically succeed to the office of President-Elect in the year following his or her election, and to the office of President in the year following that.

12. Several motions were made related to the Long Range Planning Committee report. These were presented by Martha Powell.

A. Moved: That the subject area councilors should serve as the program committee with the president-elect as chairman of the program committee. This was unanimously defeated. Councilor involvement was urged through having them organize symposia or through writing newsletter columns.

B. Moved: The Society should establish an executive committee to meet as necessary to: 1) monitor progress of
committee activities, 2) execute plans of Council, 3) plan additional activities. Any one member of the Executive Committee may refer a decision of the committee to the full council for consideration. The executive committee would be composed of the immediate Past President, the President, the President Elect, the Vice-President, the Treasurer and the Secretary. This was unanimously accepted.

C. Moved: The Council will transfer the power to authorize additional expenditures (those above the level approved by Council) from the finance committee to Council. This was unanimously approved.

D. Moved: Financial reports from the Treasurer and the Secretary's report will be published in full in the Newsletter. Summaries of other committee reports will be published in the Newsletter with a note advising that full committee reports are available upon request from the Secretary. A handling fee will be charged. This was passed with one vote in opposition.

E. Moved: That the incoming President should be sent to this year's meeting of the Society of Scientific Presidents as an observer to evaluate the feasibility of MSA participation. Passed with 8 in favor and 2 abstaining.

13. The new Manual of Operations was distributed. Suggestions for changes and modifications should be passed on to Mary Palm. All Councilors and Committee chairs should receive a copy and make necessary additions and corrections.

14. Future meeting sites were discussed:

1992 - Portland, Oregon with APS. There was some discussion about the high cost of the San Antonio meeting and the fact that the Portland meeting will also be expensive. This limits student participation.

1993 - University of Georgia as an independent meeting at the invitation of Charles Mims. Council recommended a June meeting. The site was unanimously approved by Council.

1994 - Meeting with IMC-V. Council unanimously voted that we not meet separately. It was hoped that we could have a Council meeting, business meeting and Presidential Address.

1995 - No discussion.

In general, Council supports University-based meetings. The Society should investigate meeting with the Ecological Society, Society for Applied and Industrial Microbiology, American Bryological and Lichenological Society and the Phycological Society.
15. Two nominations for Corresponding Members were presented: Vera Holubova-Jechova and E. J. H. Corner. Both were approved by Council and will appear on the spring ballot.

16. A by-laws change was unanimously approved which would change the notation Corresponding Member to Honorary Member.

17. A report from an ad hoc committee on Corresponding Members composed of Robert Lichtwardt and Robert Gilbertson was reviewed and Council recommended a by-laws change. This was unanimously approved. The change reads as follows:

Corresponding Members are distinguished senior scientists with a long record of significant contributions to knowledge of fungal biology and who reside in and work in countries other than the U.S.A. and Canada. The number of such members is limited to 35 living scientists. Members of the MSA may submit nominations, accompanied by a detailed documentation of the credentials of the nominee, to the Committee on Corresponding Members. The Committee for Corresponding Members will be a rotating committee and will be composed of 3 past presidents of MSA. The Committee on Corresponding Members will review the nominations and report its recommendations to the Council of MSA. After evaluation of the committee's recommendation, the Council will present the selected nominees for election by the membership at the annual business meeting. Corresponding members shall have all of the privileges of a regular member but shall not pay dues.

A notice of election will be placed in the Newsletter.

18. Sabine Huhndorf was unanimously confirmed as Society Historian.

19. There was discussion of our involvement in nomination of AAAS Fellows. It is council's view that the AAAS representative should collect information and make nominations of Fellows either directly or through our elected Fellows.

20. Candidates were discussed for nomination to AIBS Board of Directors. Martha Powell as new president will make recommendations.

21. Council voted 8 for, 1 abstain that the AAAS representative should be given airfare plus $250 to attend the AAAS, section G annual meetings.

22. Joe Ammirati, our IMC-V liaison, presented information on IMC-V planning.

A. MSA will await outcome of a September meeting of IMC planners before loaning any money. There was much discussion on this point particularly in light of our initial statement that we would not be financially involved.
B. MSA is asked to sponsor one major event such as a symposium. Money will need to be raised. More information will be forthcoming.

C. Several MSA events will be planned such as business and Council meetings and Presidential address.

MSA will pay Ammirati's travel for meeting planning.

23. It was voted that MSA would sever the current contract for publishing *Mycologia Memoirs*. Several alternatives seem promising including APS Press. These will be investigated by the Publication Committee and Memoirs Committee. Halling will sever the contract. He will serve on the Memoirs committee.

24. It was moved that: a name change be considered by the Memoirs Committee for *Mycologia Memoirs*. This was unanimously endorsed by Council.

25. A report on local arrangements was presented by Robert Koehn.

26. A proposal was presented from Allen Press to take over various of our business operations including membership lists, billing, directory services. This would cost the society an additional $10.00/member but would provide continuity and stability and provide several additional services. A dues increase would be necessary. There was much discussion, and it is clear there will have to be negotiations with NYBG.

Recognizing the possibility of a dues increase and the need to move quickly on this because of contracts, the council voted 5 for, 3 against to authorize the Officers to recommend a dues increase for the spring ballot not to exceed $20 for regular and other $40 memberships, and $12 for student and other $20 memberships.

With a vote of 7 for and 1 against, Council moved to adopt the Allen Press proposal.

27. Program Committee Report--George Carroll

Carroll noted the number of participants is somewhat lower than last year and that due to other factors, one workshop was cancelled. He noted that we again have supported symposia and that the amount of support needed for a symposium is about $1,500. When funds are raised, the Program Chair must be the coordinator.

There was discussion about the cost of mailing and the expense of the convention setting. He suggested changes in the Abstract format to conform with those of AIBS.


We will meet with APS and plans call for an integration of programs. APS will provide much of the services and much of it will be included in the registration fees (which will be high).

Gerald has prepared a letter of committment which was approved by council.

A local arrangements chairman will be designated.
29. Awards Committee--Georgiana May reported on various improvements and streamlining of procedures and on this year's awards.

30. Council instructed several delegates to report back to Council on activities of the National Institute for the Conservation of Cultural Property.

31. Martha Powell reported on her efforts to run a membership drive and council approved production and budget ($110) for a brochure.

32. A letter to Mike Tansey involving the use of slides from the MSA slide collection by APS was discussed. Council supported Tansey's recommendation that providers of the slides should be contacted for release of the slides.

33. The report of the Food Technologist was endorsed by Council.

34. Barr reported briefly on IMA by-laws changes and dues restructuring.

35. Joe Ammirati reported on Biodiversity activities and conservation activities (also written about by Jim Ginns). Ammirati will continue on an ad hoc committee to look into how MSA should be involved with biodiversity activities.

36. Council asked the president to write to APHIS regarding the slow response to our permits committee (chaired by Rossman) report. Members are also asked to write Amy Rossman about difficulties that have been encountered.

37. Finance Committee Budgets were approved as follows:

<table>
<thead>
<tr>
<th>Role</th>
<th>Budget</th>
</tr>
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<tbody>
<tr>
<td>President</td>
<td>$250</td>
</tr>
<tr>
<td>President Elect</td>
<td>$250</td>
</tr>
<tr>
<td>Vice-President</td>
<td>$250</td>
</tr>
<tr>
<td>Secretary</td>
<td>$2000</td>
</tr>
<tr>
<td>Treasurer</td>
<td>$500</td>
</tr>
<tr>
<td>Program Chair</td>
<td>$2000</td>
</tr>
<tr>
<td>Newsletter</td>
<td>$10,000</td>
</tr>
</tbody>
</table>

38. Committee reports were circulated by mail and accepted.

Dismissed 9:45 p.m.

Respectfully submitted,

Donald H. Pfister
Secretary's Report

1 June 1990 to 1 August 1991

1. Business transacted by mail:
   a. In June 1990, materials were mailed to Council for the annual meeting.
   b. In conjunction with the Vice-President, materials were prepared in September for the nomination ballots.
   c. In February, materials were mailed to Officers regarding the mid-year meeting.
   d. Materials were prepared in March and mailed in early April to members. This included announcements for fellowships and awards, ballots, and annual meeting reminders.
   e. New members were sent Directories, a welcome letter and a copy of the Brief History of Mycology in North America.
   f. 86 requests for membership information or Careers in Mycology were received and processed.
   g. Various committee chairs were corresponded with, particularly Publications and Fellowships.
   h. Letters were written to appropriate organizations and legislators concerning MSA's support of resolution on the Center for Biodiversity and the Institutes for the Environment.
   h. General correspondence was carried on with AIBS, IMA and AAAS.

2. The mid-year meeting of the Officers was arranged by the Secretary and was held in Cambridge, MA on Saturday and Sunday, 9 and 10 March 1991.

3. A new Directory of Members was prepared for the printers by the Secretary. This will include a listing of past officers, the current by-laws, and an alphabetical listing of the members.

4. The Manual of Operations was updated and distributed to Officers. New Committee Chairs should receive appropriate sections.

5. I wish to conclude this report by thanking the various officers with whom I have served for their goodhumored camaraderie. I wish to offer particular thanks to my secretary at the Farlow Herbarium, Carolyn Hesterberg, who did much of the detailed work which allowed me and the Society to keep on track.

Respectfully submitted,
Donald H. Pfister
FISCAL

The 1989 financial activities of the society were filed with the Internal Revenue Service in December, 1990 by the Treasurer.

At the beginning of this fiscal year, 1 August, 1990, the Society had combined assets of $122,913.11, of which $22,913.11 was in checking and $100,000.00 was in a certificate of deposit. Of this total, $4,516.50 is in credit to past and present members of the Society. A list of our credit accounts is attached.

On a cash basis, new receipts and disbursements from 1 August, 1990, to 27 July, 1991 were as follows. Receipts totaled $74,642.69, including $45,288.00 in membership fees, $2,950.00 in Symposium contributions, $6,974.46 in interest, $561.65 in sales from Memoirs, $79.27 from Guidebook sales, $5,400.00 in Sustaining membership fees, $1,655.00 in contributions to the Smith Fund, $135.00 in contributions to the Alexopoulos Fund, $260.00 in contributions to the Endowment Funds, and $218.20 in Annual Review sales revenues.

Disbursements through 27 July, 1991 totaled $53,406.45. These disbursements included $23,842.42 for Mycologia, $292.00 in bank charges and bad checks, $68.00 in travel assistance for a representative to the Food Technologists Workshop, $1,623.28 in expenses for the mid-year Officers meeting, $150.00 for mailing labels, $250.00 in 1990 program expenses, $1,033.00 for expense defrayal of the Annual Lecturer, $25.00 Annual incorporation fee, $3,056.28 in Secretary expenses, $33.58 in President expenses, $446.68 in Treasurer's expenses, $2,822.67 in Symposium speaker support, $1,000.00 that was not included on 1989 Fiscal Year Report for a Student Award, $6,000.00 in Travel Awards to IMC4, $1,104.32 for the Smith Award, $2,771.62 in Dues to other societies, $8,000.00 for the MSA Newsletter, $673.40 in T-shirt costs and advanced production expenses, $10.50 in Mycologia Index Project expenses, and $203.70 to Annual Reviews for purchases by members through the Society.

The Society enjoys a sound financial status where receipts exceed disbursements. There are significant additional expenses that we will have during this meeting and in the next few months, including program expenses and awards, expenses for the Index project, and dues to societies.

A final account for Fiscal Year 1990 (to 31 July, 1991) will be completed in mid-August, 1991. The ledger and final Report for 1990 will be reviewed by another MSA member, and the report will be published in the MSA Newsletter.

MEMBERSHIP

As of July 27, 1991, the Society membership consisted of 1163 paid members: 871 Regular members, 134 Student members, 13 Corresponding members, 67 Emeritus members receiving the journal, 9 Family members, 35 Life members, 28 Sustaining members, 2 Affiliate members, and 4 paid Associate members. During this period 77 persons or organizations applied for membership. A list of new members is included. The Society has experienced a net increase of 58 members over the last year. I hope that all current members will renew their membership and recruit additional new members in order to strengthen our Society.

Dues notices will be included with Vol. 83 #4 of Mycologia. Last year the membership renewal envelope was white in color and several members did not recognize
this as the renewal envelope. This year the envelope is suppose to be yellow for easy recognition. Please take note and return your dues promptly. Members are reminded that the $10.00 late fee will be assessed after 1 January, 1992 for those members who have not paid their dues. This late fee is not a penalty; rather the fee is used to defray costs to the Society for late shipment of *Mycologia* and the *Newsletter* and must be assessed to keep the Society financially sound. You will note that the society had to pay $3,664.92 extra for late subscribers and sending back issues. Your cooperation with prompt payment of dues will reduce these costs; your understanding and payment of a late fee, when applicable, is appreciated.

Special thanks are due those persons and companies who supported the Society through their generous gifts and to Richard Howard who is the Sustaining Membership chair. Dr. Howard's efforts allow the Society to make substantial awards to deserving students. Contributions and Sustaining Memberships are an essential part of our success. You are reminded that the IRS guidelines indicate that contributions cannot be included in your Federal Income Tax as charitable deductions. Since the Society is the beneficiary of industry support, I ask that you try to support Sustaining Members with purchases of their products where possible. Special thanks also are given to last year's program chair, John Taylor, for his efforts in securing additional funds for symposia at our meetings and to George Carroll, this year's program chair, and Robby Roberson for the funds they secured for this year's meeting.

The Society owes its gratitude to Martha Powell for the successful job she did as Vice President in encouraging past members to renew their membership in the Society and to Don Pfister for his efforts in keeping records on the membership. And a very special appreciation goes to Hal Burdsall for his Herculean efforts at the 1990 Madison meetings. Hal's efforts also benefited our treasury by about $9,000.00.
FINANCIAL SUMMARY -- FISCAL YEAR 1990
1 August, 1990 - 27 July, 1991
COLORADO ACCOUNTS

1. Checking Account

BALANCE - 1 August, 1990 $22,913.11

RECEIPTS:
Membership Dues $45,288.00
Return on 1990 Program Account (Madison) 9,314.11
Contributions for 1991 Symposium speakers 2,950.00
Interest 6,974.46
Sales of Mycologia Memoirs 561.65
Sales of Mycology Guidebook 79.27
Sustaining Members 5,400.00
Smith Fund 1,655.00
Alexopoulos Fund 135.00
T-shirt Sale and Auction 1,807.00
Contributions to Endowment:
  Memorial Fund 110.00
  General Fund 130.00
  Publication Fund 20.00
  Sales of Annual Reviews 218.20

TOTAL RECEIPTS $74,642.69

DISBURSEMENTS:
Mycologia (Vol. 81, 1989) Subscriptions 20,177.50
  Regular Subscriptions 20,177.50
  Late and New Subscriptions and Back Issues 3,664.92
  TOTAL FOR MYCOLOGIA 23,842.42
Bank - Returned Checks and Service Charges 292.00
Travel of Representative to Inst. Food Technologists Workshop 68.00
Mid-Year Officer's Planning Meeting (travel and meals) 1,623.28
Mailing Labels from NYBG 150.00
1990 MSA Program Expenses (Madison) 250.00
1990 MSA Program Expenses (Annual Lecturer) 1,033.00
Annual Incorporation Fee (Washington, D.C.) 25.00
Secretary's Expenses (supplies, postage and phone) 3,056.28
President's Expenses 33.58
Treasurer's Expenses (supplies, postage, data entry) 446.68
1990 MSA Symposium expenses 2,822.67
1990 MSA Award 1,000.00
IMC4 Travel Awards 6,000.00
Smith Award 1,104.32
Due to other Societies:
  Association of Systematic Collections 50.00
  AIBS 315.60
  International Union of Microbiological Societies 500.00
  International Mycological Association (back dues) 1,906.02
  TOTAL DUES PAID 1990-91 2,771.62
MSA Newsletter Editor Expenses (1990-91): 8,000.00
  Advance payment on 1991 T-shirts 500.00
  1990 T-shirt costs 173.40
  Mycologia Index Project: postage 10.50
  Annual Reviews: payment for copies sold 203.70

TOTAL DISBURSEMENTS 53,406.45

NET Assets In Checking Account
July 27, 1991 44,149.35
COLORADO ACCOUNTS

2. Certificate of Deposit (CD)

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<td>TOTAL Receipts</td>
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<tr>
<td>(all interest is directed into checking account)</td>
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</tr>
<tr>
<td>NET Assets in CD's</td>
<td>100,000.00</td>
</tr>
</tbody>
</table>

ITEMIZATION OF SPECIAL FUNDS

OPERATIONAL FUNDS

1. Reserve Funds
   Balance, 1 August, 1990 | 42,274.47 |
   RECEIPTS:
     Sustaining Members Dues | 5,400.00 |
     TOTAL                  | 47,674.47 |
   DISBURSEMENTS:
     1990 Student Awards   | 1,000.00 |
     TOTAL Disbursements   | 1,000.00 |
   NET                    | 46,674.47 |
   INTEREST               | 2,974.46  |
   BALANCE, 27 July, 1991 | 49,648.93 |

2. LIFE Membership Fund:
   Balance, 1 August, 1990 | 8,731.00 |
   RECEIPTS                | 0.00     |
   NET                     | 8,731.00 |
   INTEREST                | 600.00   |
   BALANCE, 27 July, 1991  | 9,331.00 |

3. ALEXOPOULOS Fund:
   Balance, 1 August, 1990 | 8,471.76 |
   RECEIPTS                | 135.00   |
   NET                     | 8,606.76 |
   INTEREST                | 600.00   |
   BALANCE, 27 July, 1991  | 9,206.76 |

4. SMITH Fund:
   Balance, 1 August, 1990 | 18,557.80 |
   RECEIPTS                | 1,655.00  |
   DISBURSEMENTS:
     Award                 | 1,104.32  |
     NET                   | 19,108.48 |
   INTEREST                | 1300.00   |
   BALANCE, 27 July, 1991  | 20,408.48 |
ENDOWMENT FUNDS

1. MEMORIAL Fund:
   BALANCE, 1 August, 1990  1,713.67
   RECEIPTS in memory of  110.00
   DISBURSEMENTS:  0.00
   NET  1,823.67

   INTEREST  100.00
   BALANCE, 27 July, 1991  1,923.67

2. PUBLICATION Fund:
   Balance, 1 August, 1990  17,612.90
   RECEIPTS on Mycologia Memoirs and Guidebook Sales  640.92
   RECEIPTS from Contributions  20.00
   DISBURSEMENTS:
      Mycologia Index Project: postage  10.50
      NET  18,263.32
      INTEREST  1,200.00
      BALANCE, 27 July, 1991  19,463.32

3. GENERAL Fund:
   BALANCE, 1 August, 1990  2,638.40
   RECEIPTS:
      Auction and T-shirts  1,807.00
      Contributions  130.00
      Madison Meetings profit  9,064.11
      TOTAL RECEIPTS  11,001.11
   DISBURSEMENTS:
      T-shirt costs and advance  673.40
      NET  12,966.11

   INTEREST  200.00
   BALANCE, 27 July, 1991  13,166.11

FINANCIAL SUMMARY OF THE SOCIETY

Assets:
Checking Account 27 July, 1991  $44,149.35
Certificate of Deposit 27 July, 1991  100,000.00
TOTAL ASSETS, 27 July, 1991  144,149.35
Assets, 1 August, 1990  122,913.11
NET Change in Assets  $21,236.24

Respectfully submitted,

F. Brent Reeves, Jr., Treasurer
Editors' Reports

MYCOLOGIA

OFFICIAL JOURNAL OF THE
MYCOLOGICAL SOCIETY OF AMERICA
PUBLISHED BY
THE NEW YORK BOTANICAL GARDEN

ROY E. HALLING
Managing Editor
The New York Botanical Garden
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Annual Report
Mycologia, Volume 83
This report covers the period July 1, 1990 - June 30, 1991

Manuscripts:
Number carried over from 1989-90...................... 52
Number received.................................. 146
Total............................................ 198

Accepted or published............................ 92
Rejected........................................ 16
Withdrawn....................................... 3
On hand, pending final action (in review process or under revision by author).................... 87
Total............................................ 198

Volume 83:
Numbers 1-3 published; No. 5 in press; No. 6 about half filled.

1) Mycologia Office. With some assistance from Ron Petersen the transition has been fairly smooth. New software has been added and protocols developed for handling the computerized correspondence. Dictation equipment has been obtained. The secretarial assistance of Marilyn Allison has been indispensable in getting out the mail and maintaining the databases.

2) Mini-reviews: The Editorial Board has approved publishing short (10 printed pages or less) reviews of very active research areas, especially some of the topics that form the basis of the Society's symposia each year. These reviews will be invited but the Editorial Board also will consider submissions from members. One mini-review is in preparation and several others are in the planning stage.

3) A "Guide for Preparation of Papers" has been prepared to assist authors and reduce the editing required by this office and the press. It will be published in the Jan/Feb issue of the journal. It is being sent to authors with revisions but will be required with initial submissions in the future.
4) Increased Editorial Board involvement in operation of the journal has been obtained through periodic mailings and an annual board meeting. The Board is considering a number of changes intended to improve the journal, make it more attractive, and increase the number and variety of papers submitted. All of the proposed changes are in the discussion stage.

5) Editorial Board: Terms of three members -- Michael Dykstra, Darrell Weber, and Gary Leatham -- expire at the end of this calendar year. The Editorial Board was polled for names of replacements, then voted on nominees in 3 subject areas: Ultrastructure, Physiology/Biochemistry, and Plant Pathology. The following are nominated to serve 5-year terms and all have agreed to serve if confirmed by Council: Michael Dykstra (second term), Gary Leatham (first regular term), Thomas Harrington (first term). Special thanks are due Darrell Weber for his three terms of service on the Board.

Respectfully submitted,

David J. McLaughlin

During 1990-91, two issues of the MSA Newsletter were produced, Vol. 41(2) and Vol 42(1). The October issue consisted of 64 pages plus cover and inserts; the April issue consisted of 60 pages plus cover and inserts.

The MSA Council authorized at its meeting of June 23, 1990, a budget for the MSA Newsletter of 10,000 for the 1990-91 issues. Those issues were published and distributed for a total cost of $5,727.62 (or $4,272.38 under budget, including labor, supplies, printing, mailing, and phone costs). The following tables summarize the expenses for production of the 1990-91 issues:

TABLE I. Expenses for 1990-91

1. Printing Costs, SUNY-Oswego College Publications
   (two issues plus inserts -- 1,500 copies each)  $1,982.42
2. Mailing Costs  $3,175.03
3. Supplies  $86.17
4. Labor Costs  $444.00
5. Phone Bills  $40.00

TOTAL EXPENSES  $5,727.62

TABLE II. Comparisons between 1989-90 and 1990-91

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<th>Year</th>
<th>Printing</th>
<th>Mailing</th>
<th>Supplies</th>
<th>Labor</th>
<th>Phone</th>
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<td>1990-91</td>
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<td>$-100.22</td>
<td>$-69.15</td>
<td>$+16.14</td>
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### TABLE III. Chronological Accounting of Check Book

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<thead>
<tr>
<th>Date</th>
<th>Description</th>
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<th>Balance</th>
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</thead>
<tbody>
<tr>
<td>June 18, 1990</td>
<td>Account Balance last reported in MSA Newsletter (Oct. 1990)</td>
<td></td>
<td>$10.84</td>
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<td>June 30, 1990</td>
<td>Interest</td>
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<td>Sept. 15, 1990</td>
<td>Service Charge</td>
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<tr>
<td>Oct. 15, 1990</td>
<td>Service Charge</td>
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<td>$35.54</td>
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<td>$4,035.54</td>
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Final Balance (8/13/91) $2,372.49
### TABLE III. Cross Reference of Accounting

1. Balance in **MSA Newsletter** Account (6/18/90)  $10.84

2. Payments received from MSA Treasurer and deposited in Oswego City Savings Bank for two issues of MSA Newsletter (1990-91)  $8,000.00

3. Interest on Account  $110.27

   **************************** TOTAL CREDITS  $8,121.11

4. Service Charges on Account  $21.00

5. Publication and Distribution of **MSA Newsletters**, Vols. 41(2) and 42(1)  $5,727.62

   **************************** TOTAL EXPENSES  $5,748.62

6. Balance in **MSA Newsletter** Account (8/13/91)  $2,372.49

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Respectfully submitted,

[Signature]

Terence M. Hammill, Editor
October 15, 1991
Summary of Mycologia Managing Editor Report

Six issues of volume 82 of *Mycologia* were published during calendar year 1990 at a total production cost of $93,065.57, or an average of $15,547.32 per issue (147 pp avg; 105.98/pg). To date three issues of *Mycologia* 83 (1, 2, 3) have been published at a cost of $41,745.78, or an average cost of $13,928.06 per issue (135 pp avg; $103.36/page). During the fiscal year expenses were $147,324.85 and income was $153,403.30. Labor costs have increased $1.00 per page in 1991 and there has been an increase in "Revisions and Remakes" to an average of $5.21 per page. Rewording in the "Instructions to Authors" is suggested. Financially *Mycologia* is projected to operate at a deficit this year. The net result of the FY 1992 budget is that the *Mycologia* accumulated fund balance will be reduced by $28,068.00. Currently there is $84,604.30 in this account. It is recommended that the Society consider increasing the annual contribution per member. Currently this stands at $17.50 while the journal costs a minimum of 31.50 to produce. We request that the Society's Council consider increasing the contribution per member to $22.50 for 1993. At the current membership level this would represent an added expense of $5,750.00 per year to the Society. The $22.50 contribution does not fully cover the cost of producing the journal but it helps to close this gap. Recommendations are presented for improving page cost effectiveness.  (Roy Halling)

Summary of Mycologia Memoirs Board of Editors Report

Four members of the Editorial Board complete their term as of the August meeting. They are Margaret Bigelow, Meredith Blackwell, Rodney Roberts and Donald Pfister. They have contributed considerable time and effort to assure that the high quality of the memoirs series is maintained. It was a banner year for Memoirs, four books have appeared in print. Inquiries from several authors regarding submission of manuscripts, the time it will take to have a manuscript published, etc. were answered. At present, there are no manuscripts in the reviewing stream, so submissions will be handled promptly. (Jim Ginns)

Summary of Managing Editor's Report, Mycologia Memoirs

Since the annual meeting in Madison, four Mycologia Memoirs were issued. These are:


No. 16. Lekh R. Batra. World species of Monilinia (Fungi): Their ecology, biosystematics and control.


No. 18. Michael Corlett. An annotated list of the published names in Mycosphaerella and Sphaerella.

Extra copies of Mycologia Memoirs nos. 1-4 previously owned by the MSA, and previously housed at the New York Botanical Garden, were sold to Harry Lubrecht for $300.00 and are now available directly from him. A current listing of available Mycologia Memoirs can usually be found on one of the back pages in *Mycologia*. (Roy Halling)

Other Reports

Summary Report of MSA Representative to IMC5

The first formal meeting for IMC5 is scheduled to take place on 9 September 1991 at UBC. There is a possible need for an interest free loan from MSA to IMC5 for up to $10,000. This should be discussed by Council. MSA involvement in the program should be discussed and Council should recommend the particular types of events they wish to have included. (Joe Ammirati)
Summary Report of the Ad Hoc Committee on Fungal Biodiversity

MSA should be active in supporting resolutions, legislative actions etc. dealing with Biodiversity. The Society should have a committee, with broad representation, to become involved in these issues and to stimulate researchers to write, discuss, and generally participate in Biodiversity activities and to interact with other groups. There will be an evening discussion at the Portland meeting on fungal biodiversity and conservation. (Joe Ammirati)

Summary of the Report of the Endowment Committee

The committee was contacted about establishing a fund dedicated to a society member; further discussion will be necessary. The committee suggests further refinement of its role in relationship to the auction and T-shirt sales. (Frederick Spiegel)

A. H. and H. V. Smith Fund Award Committee

There were four applicants. Awards were given to:

1. Prof. Dr. Meinhard Moser, Innsbruck, Austria. For work at University of Michigan herbarium to study Corinarius collected by A. H. Smith.
2. Dr. Solomon Wasser, Kiev, USSR. For work at University of Michigan Herbarium to examine A. H. Smith collections of Agaricales for comparison with USSR mycota. (Timothy J. Baroni)

Summary of Foray Report

The Foray at Wisconsin was well attended but no one has provided a list of the fungi collected. There will be no Foray at San Antonio because of the anticipated lack of fungus fruit bodies in mid-August. If any fungi are collected, Foray Chairman W. B. Cooke would appreciate a list so that a total list can be prepared. (William Bridge Cooke)

Summary of Teaching Committee Report

During the past year, the committee has developed and reviewed files of nominees for the William H. Weston Award for Excellence in Teaching, and has chosen Martha Christensen to be this year's recipient. We suggest that the MSA President notify the President of Professor Christensen's University and her department chairman concerning the award. The committee has actively sought nominations for next year's award, and will prepare a biography of Professor Christensen for publication in the MSA Newsletter. The committee has conducted a new survey of mycology textbook publishers' plans, and has prepared a summary handout of responses, to be distributed at the 1991 annual meeting. The 1990 survey was distributed at the 1990 annual meeting and as an insert in the MSA Newsletter. The committee prepared and distributed a mycology examination question file (test bank) preliminary edition in 1990, and has prepared a final version for distribution at the 1991 annual meeting and by mail. With Council approval, we have prepared a poster advertising "What Can You do with Training in Mycology?", for initial distribution at the 1991 annual meeting. The MSA 2x2 slide collection has been added to, and a catalog has been made available to MSA members; slides have been sold at cost to MSA members. (Michael R. Tansey)

Summary Report of the Publications Committee

The cumulative Mycologia Index is currently at the bindery and will be available after 1 August 1991. Order forms will be mailed with future issues of Mycologia. The cost of the Index, including postage, will be approximately $52 (US) and $53 (non-US) to members prior to 1 Oct 91 and $62 and $63 respectively after that date. Institutions will be charged $82 (US) or $83 (non-US). MSA Council approved the following US prices,
based on our costs: $40.00 member before 1 Oct, $50.00 after 1 Oct, and $70.00 to institutions. The final price includes NYBG ($3.00) and Allen Press ($3.50) handling fees, miscellaneous costs NYBG ($2.50) and postage ($3.00 US, $4.00 other).

Dick Hanlin is looking into possible publishers for Mycologia Memoirs in order to reduce the cost of the individual Memoirs. That information will be presented at the San Antonio meeting for discussion and decision by Council. (Mary Palm)

Summary of Culture Collections Report

The culture committee calls members attention to the following: the Seventh International Congress for Culture Collections to be held in Beijing, China on October 12-16, 1992; guidelines published by the Standards Committee of the World Federation for Culture Collections (WFCC). Announcements of these appear in the Newsletter. (S. C. Jong)

Report of the MSA Representative to AAAS

The Annual meeting of Section G, Biological Sciences Committee of the American Association for the Advancement of Science (AAAS) met Saturday evening, 16 February 1991 in Washington, DC.
1. Affiliated Societies were encouraged to be active in AAAS business and meetings. Ideas for symposia for future meetings are requested and welcomed. 2. Affiliated Societies were also encouraged to nominate persons to be considered for AAAS fellows. At present, Sect. G (20,000 members) can nominate approximately 50 persons. There is no requirement for length of membership pre or post nomination or involvement in AAAS. Fellows are elected based on their contribution to science. 3. The committee recommended that the AAAS governing board pass resolutions in support of the Center for Biodiversity and the National Institutes of the Environment. AAAS supported the resolutions. M. Palm subsequently requested the MSA council to consider passing similar resolutions. Council voted to support such resolutions. 4. A resolution supporting the availability of the controversial RU 486 for research was passed by the committee. 5. The AAAS Publications Office is launching a new books program and is interested in ideas and topics from Section members. M. Palm has been in contact with that Office in regard to publishing some mycological works through this outlet. (Mary Palm)

Summary of Report of the Representative to the U. S. National Committee of the International Union of Microbiological Societies (IUMS)

The annual meeting of the US National Committee was held on January 11, 1991 in Washington, DC. It was reported that three new commissions, namely: ICAST (International Commission on Antifungal Susceptibility Testing), ICFS (International Commission of Clinical Fungal Serology), ICPA (International Commission of Penicillium and Aspergillus), and that ICM (International Commission on Mycotoxicology) has merged with a similar committee of ISPP (International Society of Plant Pathology). Also discussed was a possible three year cycle for IUMS Congresses, which would make alternate year Congresses possible for IMA (International Mycological Association), ISHAM (International Society of Human and Animal Mycology) and IUMS. Plans are being made for an International Congress of Bacteriology and Mycology to be held in Prague in 1994. (Roger Goos)

Report of the Committee on Membership (Sustaining)

The Committee on Membership is pleased to report the addition of seven new sustaining members for 1991. These new patrons of the society include DowElanco, DuPont Agricultural Products Department, Lilly Research Laboratories, Mycro-Solutions, NOR-AM Chemical Company, Sandoz Pharma Ltd., and the University of South Florida Foundation Mycology Research Fund. A complete list of sustaining members appears in each issue of Mycologia and the MSA Newsletter. The Committee urges our general membership to show their appreciation to Sustaining Members of our Society at every opportunity. Unfortunately, we must also report the loss of nine sustaining members from our 1990 roster, including American Cyanimid Company, Amycel Inc., Belco Glass Inc., Campbell's Fresh Inc., Difco Laboratories, Hanseen Pharmsaceutica, L. F. Lambert Spawn Co.,
Inc., SmithKline Beecham Pharmaceutical and Spawn Mate Inc. Concerning the report of the Long Range Planning Committee, there has been insufficient time to consider relevant recommendations this calendar year. The Membership Committee will take up these matters and report to council in 1992. (Richard J. Hoard)

Medical Mycology Committee

The Medical Mycology Committee has discussed how it could improve the understanding of medically important fungi. The committee plans to approach the organizing committee for the next MSA meeting and propose a symposium dealing with molecular approaches that are being used to characterize medically important fungi. We believe that such a symposium will be of enormous interest to the members of the MSA. (Michael R. McGinnis)

Summary Report of the Awards Committee

The major activity of the 1990-1991 Awards Committee was reviewing applicants for Society fellowships, prizes, and awards. We also streamlined and simplified the application materials for the awards and fellowships. Awards were presented as follows: Distinguished Mycologist - Richard Korf and Robert Lichtwardt; Alexopolous Prize - Dean Glawe; Graduate Student Fellowships - John Hopple (a student of R. Vilgalys) and Karen Snetselaar (a student of C. Mims). Student presentations--both posters and papers--were judged by the committee at the meeting.

Summary Report of the Program Committee

The 1991 meetings of the Mycological Society of America were held under the auspices of AIBS at the Hilton Palacio del Rio Hotel and at the neighboring convention center in San Antonio, Texas. No foray was organized because of the unfavorable climate for fungi around San Antonio at this time of year. The program consisted of one workshop, one presidential address, one annual lecture, 70 oral presentations (20 by students), 61 poster presentations (15 by students), 29 symposium presentations and 2 evening discussions (3 presentations). These figures do include last minute additions, but do not include cancellations (about 6). The total number of presentations was 165, a significant decrease from an all-time high of 197 at the meetings in Madison in 1990 but comparable to the number presented in Toronto in 1989. I would like to thank the following people: Harold Keller, who led a successful workshop on the Myxomycetes; Maria Lebron and Don Reynolds, who organized well-attended evening presentations; and symposium organizers Tom Chase, Kris Pirozynski, Robby Roberson, Rytas Vilgalys, and Don Wicklow. Special thanks go to Don Reynolds, who provided an airline ticket for David Hawksworth, and Kris Pirozynski, who supported his own symposium with $1200 from his home institution, the Canadian Museum of Nature. Past program chairs Sandra Anagnostakis and John Taylor provided timely advice to the perplexed. Finally, I wish to acknowledge the unflagging cooperation of Newsletter editor Terrence Hammill and local arrangements chair Bob Koehn. Both the program committee and MSA were well served by these people. (George Carroll)
Report of the Awards Committee 1991

The Awards Committee consisted of John C. Cooke, Univ. of Connecticut; Scott Redhead, Biosystematics Research Institute; Robert Roberson, Arizona State University and as chairperson, Georgiana May, University of Minnesota.

The "dawning of a new era of mycological research" as stated by Charles Bracker can best be seen in high quality of the Graduated Student Research Award presentations. After much consideration, the following were chosen to receive these prizes.

**Poster Presentations ($100 prize).**
1. Pat Leacock (University of Minnesota) for a poster titled: The genus *Lactarius* in Minnesota. The poster was well presented and Pat is correlating biome diversity with species distribution.

2. Rob Specker (University of Georgia) for a poster titled: Lactic acid production by *Lagenidium* spp. Rob demonstrated a certain joy of discovery and we ignored his acidic comments.

**Oral Presentations ($100 prize)**
1. Joey Spatafora (Louisiana State University) for an oral presentation titled: Nuclear-encoded small subunit ribosomal DNA and Ascomycete evolution. The committee appreciated his knowledge of both molecular and organismal biology.

2. Rosmaria Lopez-Franco (Purdue University) for an oral presentation titled: Dynamics of the Spitzenkorper in growing hyphal tips. Many people were impressed with both the elegance of the approach and the enthusiasm of its execution.

**Graduate fellowships ($1000 prize)**
1. Karen Snetselaar (University of Georgia, student of Charles Mims). Karen received the award for a very well written proposal titled: Mating and the infection process in the smut fungus *Ustilago maydis*, a pathogen of maize. The goal of her studies is to "bridge the gap between molecular studies of mating type interactions and macroscopic observations of disease expression in maize." Her letters described here as a person who will make...
her mark as a mycologist and who doesn't describe what she does as work simply because she enjoys it so much.

2. John S. Hopple (Duke University, student of Rytas Vilgalys). John received the award for a very complete proposal titled: Systematic investigations in the basidiomycete genus *Coprinus*, phylogeny, character evolution and development. One goal of his study is to "make a systematic treatment of *Coprinus* to answer the question: How does the evolution of morphological and developmental characters compare in *Coprinus*? John was described as a person who no doubt enjoys his profession and as a renaissance scientist employing many approaches and techniques to answer a question.

ALEXOPOLOUS PRIZE

The Alexopolous prize is made possible by a gift to MSA in the name of C. J. Alexopolous. It is awarded annually to an outstanding young mycologist for his or her research. The award must be made within 10 years of the nominee's Ph.D. The level of accomplishment demonstrated by nominees during that period is impressive. This year's award was given to Dean Glawe, University of Illinois, nominated by Jack Rogers.

Dean Glawe received his Ph.D. from Jack Rogers at Washington State University in 1982. Emphasizing the importance of teaching mycology, Dean did not know that he wanted to be a mycologist until he took the courses of Jack Rogers, Rubin Durand and Gardner Shaw. Thus, Dean considers himself an "accidental mycologist" but his research and teaching accomplishments are anything but accidental. Dean has served as a Counselor for MSA, on the Teaching Committee and as Book Review editor for *Mycologia*. His courses at the University of Illinois are very well received. His reprint file testifies for a tremendous amount of information on the Diatrypaceae and further studies on this important group will certainly benefit from his elucidation of their life histories. In that reprint file one also finds an illuminating review entitled, "Early Accounts of Fungal Bioluminescence". Dean moves on in his studies of Fungal Evolution with the use of molecular techniques and one is quite certain that he knows which organism he is grinding up. Dean's contributions to mycology are already many and we can only expect more in the future.

DISTINGUISHED MYCOLOGIST

The dawning of a new mycological era hardly means that our more experienced scientists are riding off into the sunset. Their youthful spirit
and vigorous research program can serve as a model to all mycologists. Two awards were given.

Richard P. Korf

In awarding Richard P. Korf the Distinguished Mycologist Award, we have awarded a person who is described as a superb and gifted teacher of mycology, as an outstanding model of a professional mycologist and who has an international reputation in the taxonomy of discomycetes. We have awarded a mycologist who has won Gugenheim and Fulbright Awards and whose publications and contributions will certainly continue into the future. Dick Korf improved other mycologist's research and publication by motivating the production of Mycotaxon and writing the keys for The Fungi IVA.

With his prodigious production of students and collaborators, Dick Korf's influence is felt around the world. Teaching mycological courses and training students were accomplished with considerable energy and humor and, apparently, optimism in approaching even the grungiest of specimens. Excerping comments from letters of support:
"Dick is somehow all at once a dignified leader, consummate professional, active hands-on researcher and a not-to-grown-up adult." From the poet Harold Wentworth:
"And a toadstool systematist is a guy who systematizes discos, If you know discs systematology, Boy, you know your mushroomology."
From many letters of support, it is apparent that Dick Korf has strongly impacted the world of mycology.

Robert W. Lichtwardt

Born in Rio deJaneiro Brazil perhaps initiated Robert Lichtwardt's interest in travelling the world to collect Trichomycetes. Certainly we must credit Dr. Lichtwardt for single handedly bringing the Trichomycetes into the light from the dark corners of arthropods. His research into this group covers all areas of biology. One is convinced that his curiosity is as intense now as it was 40 years ago when he began the work.

Robert Lichtwardt's research is published extensively, including a recent book on the Trichomycetes and over 50 papers on the group. Certainly these will provide the basis for all future research on this fascinating and important group of organisms. Dr. Lichtwardt has served mycology and the MSA well. His many students and postdoctoral associates continue to make contributions to mycological research and speak well of
his ability to guide research. His students seem infected with the same intense interest in the fungi as he himself displays. He served as the president of MSA in 1971, Editor-in-Chief of Mycologia 1965-1970 and Counselor 1963-1965. He is an honorary life member of MSA. Dr. Lichtwardt's dedication to his science is legendary and his research exemplary.

WILLIAM H. WESTON AWARD FOR EXCELLENCE IN TEACHING
MARSHA CHRISTENSEN, University of Wyoming

The purpose of this academic biography of Martha Christensen is to praise one of our own and at the same time to help us profit from her experience, so that we can all progress toward the excellence she has attained as a teacher. The words of Martha's students are compiled here to describe and illustrate who she is, what and how she has taught, and what have been the results of her teaching.

Martha Christensen earned these degrees: B.S., 1953, University of Nebraska, Lincoln, Botany and Soils; M.S., 1956, and Ph.D., 1960, University of Wisconsin, Madison, Botany, with M.P. Backus and J.T. Curtis in mycology and ecology, respectively. She was a public school teacher, 1953-1954, in Ralston, Nebraska; research assistant and teaching assistant, 1954-1960, University of Wisconsin; post-doctoral project associate, 1960-1963, University of Wisconsin; and assistant professor, 1963-1968, and associate professor, 1968-1976, University of Wyoming, Botany. She became Professor of Botany at the University of Wyoming in 1976, and is now Professor Emeritus there. She was a visiting professor in bacteriology, 1976-1977, University of Wisconsin. Her awards and honors include the Weber-Ernst Award in Botany, 1953, University of Nebraska; Phi Beta Kappa, 1953, University of Nebraska Chapter; University of Wyoming Woman of the Year, 1971, University of Wyoming Student Association; recognition for teaching effectiveness, 1973, University of Wyoming Yearbook; and Faculty Merit Award, 1982, University of Wyoming College of Arts and Sciences. Her professional activities have included: President, 1987-1988, President-elect, 1986-1987, Vice President, 1985-1986, Western Councilor, 1984-1985, 1977-1979, and Program Chairman, 1984, Mycological Society of America; President, 1972-1973, and Vice President, 1971-1972, Phi Beta Kappa, Laramie Chapter; President and Program Chairman, Audubon Society, Laramie Chapter; and Program Chair, 1983, Biological Sciences, Colorado-Wyoming Academy of Sciences. Her research publications have earned her recognition as a leading expert in fungal ecology and the taxonomy of aspergilli and penicillia. Her performance of carols on the saw, at departmental Christmas parties, is a never-to-be-forgotten and thrilling experience.

Martha taught approximately 15 different courses at the University of Wyoming, as many as 5 per semester. Her most conspicuous contribution to mycological education there was her junior-senior-level mycology course. In addition, large numbers of future biologists received their introduction to fungi in the several different introductory biology and introductory botany courses she also taught. Her MSA presidential address, published in Mycologia 81:1-19, 1989, is a noteworthy introduction to fungal ecology, and her 1974 AIBS symposium handout, Techniques for Demonstrating Some Concepts in Fungal Ecology, describes three useful experiments for the teaching laboratory. She was a contributor to the 1990 and 1991 MSA test bank (exam file).

Martha's undergraduate mycology course was so loaded with information that it could easily suffice for graduate study. It was rigorous. Her students, as much as a quarter-century later, remember it as:

- intensive
- thorough
- one of the hardest
- the toughest I've ever taken
- requiring 12 or more hours in the lab per week
- extremely challenging
Comments from students include the telling plea that more time be allocated for the lab in the university class schedule, but not a single complaint about her 8 A.M. classes. These same students reflect that her course was:

- clear
- thought-provoking
- enjoyable
- well organized
- well prepared
- logically presented
- concisely presented
- understandable
- quite fairly graded
- hard but fair tests
- "hands on" in lab
- always with numerous examples in lab of what was being discussed in lecture
- pleasurable now in memory as it was then
- not overwhelming
- fun

The mycology course consisted of coordinated lectures and labs. Life cycles, morphology, and ecology were major components of the course; genetics and physiology were not neglected. Names and contributions of past and current researchers were learned. Readings included selections from books by authors such as Talbot, Ingold, Webster, and Deacon, rather than any one textbook. Detailed labelled drawings were made of lab material and turned in weekly, to be scrutinized, commented upon, and graded by Martha, and returned with kind words of encouragement. A conspicuously posted sign in the teaching laboratory reminded students that, “Making an accurate drawing in a morphology course is as important as reading the balance correctly in a chemistry course—it is your raw data, the summation of your original observations, and is essential to derived understanding and interpretation.” Mycological techniques and short experiments complemented the observational parts of the lab, so that students felt that, “we were not just studying science, but doing real science.” Some of these class projects led to funded research by her students. A highly successful mid-career biologist now observes that a student who finished the course would be ready to begin research and teaching in biology.

A former student remembers that, “an overriding philosophy was being overtly and covertly instilled in our thinking—that fungi play a major and unappreciated role in all ecosystems, as well as in the well-being of the human race.” She always moved gracefully through detailed minutiae to the big picture, understanding and conveying to her students the importance of all steps in between. Fungal life cycles were heuristic tools as she moved from taxonomic group to group, telling the students in lecture, showing them in lab, and then testing them. What she assigned, she tested on, and students valued this: on quizzes and exams, students were responsible for lecture, laboratory, and textbook material, as well as additional mycological readings she assigned. She discussed the “big picture” concepts such as evolution and continental drift, to put their newly acquired knowledge into perspective, but students knew that they would also be tested on the details, especially details of the abundant and excellent lab material. The abundance of lab material is often mentioned by her students—cultures and field material, as well as preserved specimens. Martha prepared her own cultures, and was there in the teaching lab during classtime to teach the material, even though she had a graduate assistant.

Students sampled fungal products, from tempeh to mushroom soup. Martha found out her students' backgrounds and interests, and addressed points or topics of special interest to individuals. She gave mycological prizes for the best grade in lecture and in lab, and years later these prizes—a can of Camembert cheese, a can of wild mushroom soup, etc.—are treasured possessions of their recipients. Students also treasure the memory of weekend field trips with Martha, including not only the wild fungi she taught them, and the impressive range of aquatic biology, algology, bryology, and dendrology her expertise includes, but also the friendship of picnics and enjoyment together of nature. Martha's love of the outdoors helped attract them to an appreciation of ecological relationships that included the fungi. This made a lasting impression on students, many of whom went on to careers in higher plant ecology, forestry, and other areas of biology in which their introduction to mycorrhizas and other interrelations of fungi and other organisms served them well.

Martha's students have given us an opportunity to better understand the importance and nuances of one of the most highly valued personality traits of a teacher; here is what they say about her enthusiasm: In the classroom, Martha was always enthusiastic, both about the subject at hand, and about sharing knowledge with students, and that enthusiasm was contagious. There was always a smile and enthusiasm when I walked into her office. Her enthusiasm for her subjects is unbunded, and by some magical means...she managed to
She always seems to glow with enthusiasm whenever she talks about mycology. Her profound appreciation of the organisms transcended dry academism and her frequent exclamations of "Isn't that beautiful?", etc., while observing a fungal structure under the microscope or on a petri plate had the ability to reach even stubborn, uninterested students (i.e., her enthusiasm would rub off). One can't help but get excited and want to learn in her class, she puts forth so much excitement and enthusiasm. [She] is able to give me not only her knowledge, but also her enthusiasm for learning.

Here is additional insight from Martha's students, many now themselves mature teachers, regarding what made her such an excellent teacher: After class, I remember discussing several points of the lecture material with Dr. Christensen. There was always a feeling that she had nothing more important to do! Her willingness to help students is really terrific. She always stopped what she was doing to be genuinely interested in my life and what I was doing. Always available when help was needed. Generous with her time... went out of her way in providing assistance. She makes students feel as much her colleagues as her students. This seems to be accomplished by her willingness to listen to students and consider their opinions. During a lecture, she will often return to and discuss a point brought up earlier by a student. She actively solicits the expertise and opinions of students and discusses them in class...[and thereby] conveys a deep respect of students... She is always positive and encouraging...when asking a student a question in class, she is very patient in waiting for a response, never moving on until one is received, always supporting the student, whether reinforcing a correct answer or gently making a correction. ...Martha's ability to make her students feel special, and thereby to raise their self-esteem. She is always encouraging and full of praise for the smallest accomplishments. She encourages questions and provides a lot of opportunity for the pursuit of my own interests, and is always eager to talk about my work and provide me with resource materials. She encourages and gives opportunities for special projects. She encourages us to postulate our own theories in areas that lack study or in which there are no concrete answers. She poses questions that make you think, rather than always having an immediate and definite answer... never regards her opinion as final, and is very open minded. Her students were clearly just as important to her as her research. She is continually learning, practicing keen observation, asking insightful questions, and inspiring others to observe and think. Martha is a top-notch teacher because she is a top-notch student. She is forever the inquirer. Martha has a child's sense of wonder and thirst for knowledge combined with a genuine interest in her students. She expects a great deal from her students and is so attuned to the individual that she, in turn, elicits the best a student has to offer. ...encourages students to delve below the surface and discover. Through her encouragement, she has shown me that I am capable of pursuing my own goals. Martha...let me develop, intervening only when necessary to keep me from veering completely off track. ...an incredibly interesting as well as interested instructor... She is a caring, empathetic person and remains humble... very interested in the students and her main concern is that they learn. ...an understanding person. Martha's devotion to teaching and interest in students was an inspirational light at the University. Dr. C made a difficult and unknown subject area become alive and relevant for me. ...exudes a joy for teaching...she loves what she is doing. ...excited about her subject... She shares her thoughts and ideas about a field of study she obviously loves. The instructor's love of the subject permeates the subject matter in a beneficial way. I've always had a lot of fun doing things with her...not only a fine teacher, but also a fine individual. Dr. Christensen has the ability to transmit this love of mycology to students in her classes who can see and feel her commitment to science and education. ...her ardent manner in the classroom. [She] combined the ability to comprehensively treat a scientific subject while coincidentally expressing that sense of wonder at its nature and complexity. She was invariably well organized and inspiring, entirely consumed by the excitement of passing on her love of learning. ...enjoyable, interesting, and devoted. Martha was obviously excited about what she was teaching, and obviously concerned that her students appreciate and enjoy the world of fungi. ...her cheerful, fun-loving manner. ...ever-present smile... Her cheery and upbeat attitude about scientific research truly made my experience as a graduate student a pleasant one. She brought something special to the classroom. ...energetic. The lady is a dynamo. ...extremely well-prepared laboratory exercises and informative, organized, energetic lectures. She always explained clearly. She taught me to be methodical, thorough, and determined. She is a wonderful, beautiful person. I think she's wonderful.

Martha's teaching career at the University of Wyoming produced 21 M.S. and 2 Ph.D. thesis students; Michael Allen and Peter Stahl earned both degrees with her. Sixteen of the research articles in her lengthy publications list report the work of Martha and her graduate students--always with the student as first author. Students who studied mycology with Martha went on to earn Ph.D.'s elsewhere and are now active mycologists or...
microbiologists include Jack States (her first graduate student), Darwin Davidson, Dennis Clarke, Steve Miller (now a member of the faculty in her Department), Joan Rose, and Kum Hung Lee. Martha's influence on the larger field of ecology can be documented by the number of productive and successful researchers who came under her influence while they were students in her department, and then went on to include fungi (especially mycorrhizal fungi) in their own investigations. They acknowledge her continuing inspiration and assistance many years after leaving the University of Wyoming, through her correspondence with them, editorial review, and the lessons they learned from her about the role of fungi in nature. As her students express, she "lit the 'mycological spark' in many people's eyes," and "opened my eyes and caused me to understand." Martha has been especially effective in helping students get jobs, creatively searching out special matches of student and position. This fact, and the painstaking and inspiring training she gave her mycology course teaching assistants, is highlighted, with gratitude, by many, and was an important part of her life as a teacher.

Martha is now retired from teaching. She continues her research with great vigor, with substantial extramural support and with space in the Department of Botany at the University of Wyoming.

One of Martha's students, now a biology professor, sums up his view of her excellence as a teacher, succinctly bringing together the facts and feelings of these pages of praise for the 1991 recipient of the Weston Award: "Martha has obtained what we all, as teachers, seek and admire, the gratitude and love of her students which will stand as a tribute to a most cherished and wonderful person, whose teaching has made a difference in their lives."

This compilation was prepared by M. Tansey.

Ode to Fungi

Here is a poem to you, dear fungi
And a class that's pretty neat
Even though we see disgusting pictures
Many times a week

First we saw some contaminants
Like Penicillium and Aspergillus
We got to learn about their structures
And the vesicle which tells the difference

Chromoblastomycosis is a disease
Which occurs below the waist
Fonsecaea pedrosi, compacts or Phialophora verrucosa
Get in through a splinter which causes pain

F. pedrosi has branching conidiophores
P. verrucosa looks like vases
All these look like sclerotic bodies
When seen in clinical cases

Nocardiosis is a disease which includes
Actinomycotic mycetoma
Nocardia brasiliensis is partial acid fast
What's not is Actinomadura

Actinomycosis causes lumpy jaw
Which is cured if it is not too late
Actinomyces bovis looks like bread crumbs
When grown in thioglycolate

Sporothrix schenckii
Looks like Acremonium
But it's temperature dimorphic
and has cigar bodies in them

Pseudallescheria boydii
Is the one true lollipop
While Acremonium causes eumycotic mycetoma
Pseudallescheria is on top

Now we go to Blastomycosis
Which occurs from North to South
At 24° it looks like a Lollipop that goes in ones mouth

Paracoccidioides brasiliensis and
Blastomyces dermatitides
Are thick-walled yeasts with one or many buds
At 37° plus in mouses

Cryptococcus neoformans
Comes from pigeon doo doo
Has capsules and thick budding yeast cells
When infected it likes the brain too

A disease with alternating living spherules
and is found in the southwest
Coccidioides immitis in tissue has spherules
Making it different from the rest
**Rhinospioridium seeberi** is not grown in culture
Because it's an aquatic fungus
It has spherules but MUCH larger
than *Coccidioides immitis*

Macroconida are warts, spiny or tube-like
On *Histoplasma capsulatum*
The microconidia will be the thing
To distinguish from *Sepedonium*

*Torulopsis glabrata* is like *Candida*
But it only assimilates trehalose
With no capsule and wide isthmus
*Cryptoccus* only comes close

*Candida albicans* in culture
Needs a lot to diagnose
Pseudohyphae, blastospores and chlamydoconidia
Or else the answer is no

Under the microscope *Prototheca*
Looks like a wheel with spokes
Since it comes from stagnant water
It's used by proficiency testing folks

Most Zygomycetes have already been studied
The new one is *Absidia*
While this one also has rhizoids
they are far from the sporangia

Now it's time to say goodbye to fungi
It's been a good review
Too bad in one week
I'll have to say adieu

Michele Picard

(Medical Mycology Fall 1989, M.S.U.)

Dedicated to Dr. A. L. Rogers and Richard Edelmann
Two men who put the "fun" in fungi
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