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OF THE MYCOLOGICAL SOCIETY OF AMERICA

The Society is very grateful for the support of its Sustaining Members. These organizations are listed below in alphabetical order. Patronize them and let their representatives know of our appreciation whenever possible.

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MYCOLOGICAL SOCIETY OF AMERICA NEWSLETTER

Volume 39, No. 2, October 1988

Iris Charvat, Editor

Department of Botany
220 BioScience Center
University of Minnesota
St. Paul, Minnesota 55108
(612) 625-3199

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Notes From the Editor:

**Change in publication dates of the Newsletter: New Dates are October and April.**

Several changes have been made in the contents of this volume of the MSA Newsletter, primarily to save funds. Paul Szaniszlo in his committee report recommends that a methodology for coordinated mailing of Annual Meeting’s materials be devised by the Secretary, Treasurer, and Newsletter Editor, other officers and members of MSA. Since Meredith Blackwell, Secretary and Martha Powell, Treasurer have worked actively to save money, they and the other council members were supportive of changing the publication dates of the Newsletter to October and April. Change in publications dates will permit us to include in this Fall’s Newsletter information concerning the next Annual Meeting as well as Call for Nominations. Here is the list of all new forms added:

**Additions to the Newsletter:**

1. **Announcement of the 1989 meeting and CALL FOR PAPERS.**
2. **APPLICATION for a place on the 1989 Program** (yellow sheet inserted in center, deadline, February 1).
3. **ABSTRACT FORM** (white sheet inserted in center, printed in non-photo ink, deadline, February 1).
4. **CALL FOR NOMINATIONS OF OFFICERS 1989** (yellow sheet inserted in deadline, January 15).

**Call for Nominations for MSA Awards.**

All guidelines for annual awards and former awardees have been included in our new Directory, 1988, pp. 5-8. These instructions have not been reprinted in this newsletter. The deadline for the nominations and the Chairs of the Awards and Teaching Committees are listed under Call for Nominations for MSA Awards. All inquiries and materials should be forwarded to either Ian Ross or Michael Tansey.

**Needed - New MSA Newsletter Editor**

My term will be completed after I finish the April, 1989 volume (Vol. 40, No. 1). We soon need to identify who will be the next Editor for a three year term beginning with publication of the October, 1989 volume. If you know you are interested in this position, please contact President Hal Burdsall. If you need information concerning the Editor’s responsibilities, please write or call me (612-625-3199).

Iris Charvat
Editor of the MSA Newsletter
Dear Fellow Mycologists (of whatever specific persuasion):

You received this Newsletter will ahead of the usual mid-January delivery. This results from attempts to save mailing costs of several items by including them in the Newsletter. In order to accomplish this the dates of mailing the Newsletter have been changed to October and April. The council hopes that this change will allow a cost savings without hindering communication.

The early Newsletter has necessitated the completion of committee appointments early as well. I am pleased to report that many offers of service to the Society were received (and acted upon) before I left Davis. As a result all appointments have been made and a truly enthusiastic group of MSA members is charting the Society's course into the '90's. Several new committees have been appointed: The Endowment Committee, to work on money making and financial strategies that will hopefully allow the MSA to publish special symposia, provide grants of various sorts, and offer more or larger student awards; the Placement Committee, which will provide an active and effective placement service to MSA members; the Phytopathology Committee, to increase interaction with the plant pathologists in general, but especially in the U.S.A. and Canada; and the Nomination Committee, which will provide one of the two names nominated for each office. The other name for each office will come, as usual, from open nominations from the membership. The council hopes that these new committees will increase the total effectiveness of the MSA.

The Davis meeting is just barely past (a superb meeting, I might add) but already Sandra Anagnostakis is hard at work with Dave Malloch to make the Toronto meeting, August 6-10, 1989, the same high quality. For future planning, be aware that the 1990 MSA meeting will be in Madison, Wisconsin, where we will meet alone. This is trial effort to see just how feasible it is to meet alone occasionally. In order to avoid conflict with the August IMA meeting in Regensburg, the Madison meeting will be held June 24-29, 1990.

I have been pleased as I have left meetings recently at the increasing interaction I see among mycologists of varied interest. The communication between more classical, physiological, ecological, pathological, genetical, etc., is at a greater level than I had noticed previously. This bodes well for all of us with regard to resolving the most bothersome mycological problem. Hopefully we are beyond "going it alone." The more classical taxonomy needs the input of ecologists and the pathologists need the taxonomists. All will profit from the interaction. Martha Christensen has "pushed" the concept of interdiscipline interaction and I will try to keep that cart rolling. It will serve us all well.

In closing, I wish you all a most enjoyable and productive year in all aspects of your lives and I look forward to seeing you in Toronto next August.

Sincerely yours,

HAROLD H. BURDSALL, Jr., President
Mycological Society of America
I. OFFICERS AND COUNCILORS:

Officers

President-Elect, 1988-1989  Charles W. Mims
Vice-President, 1988-1989  Donald Barr
Secretary, 1988-1991  Donald H. Pfister
Treasurer, 1986-1989  Martha Powell

Councilors

Western U.S., 1986-1989  F. Brent Reeves
Canada, 1987-1990  Scott Redhead
Cytology-Genetics, 1987-1989  Sandra Anagnostakis
Ecology-Pathology, 1988-1990  Robert Fogel
Morphology-Taxonomy, 1988-1990  Linda Kohn
Physiology-Biochemistry, 1987-1989  Paul A. Horgen

Other Council Members

Past President, 1986-1987  James M. Trappe
Past President, 1987-1988  Martha Christensen

II. OFFICIAL REPRESENTATIVES:

Representative on the Committee of Section G, Biology, American Association for the Advancement of Science (3 years), 1988-1991: Mary Palm

Representative on the Governing Board, American Institute of Biological Sciences (4 years), 1986-1990: Jerome J. Motta

Representative for Public Responsibility, American Institute of Biological Sciences (3 years), 1986-1989: R. Michael Miller

Representative on the Board of Trustees, American Type Culture Collection (3 years), 1986-1989: Lekh R. Batra

Representative to the Assembly of Life Sciences of the National Research Council (3 years), 1988-1991: David F. Farr

Representative to the Biological Stain Commission (3 years), 1986-1989: Terrence M. Hammill

Representative to the Biological Stain Commission (3 years), 1985-1988: Michael J. Dykstra

Representative to the Association of Systematic Collections (3 years), 1988-1991: Amy Y. Rossman

Nominee for representative on the U.S. National Committee for the International Union of Microbiological Societies (IUMS) 4 years, 1987-1991: Roger D. Goos
III. EDITORS
A. MYCOLOGIA
Ronald H. Petersen, Editor-in-Chief
Clark T. Rogerson, Managing Editor
Dean A. Glawe, Book Review Editor
David F. Farr, Index Editor

EDITORIAL BOARD
Carol A. Shearer, 1989
William Timberlake, 1989
Kenneth Wells, 1989
J. Thomas Mullins, 1990
David McLaughlin, 1991
Darrell Weber, 1991
Michael J. Dykstra, 1992
James B. Anderson, 1993
John W. Taylor, 1993
Richard E. Koske, 1993

B. MSA NEWSLETTER
Iris Charvat, 1987-1989

IV. STANDING COMMITTEES:
A. MYCOLOGIA MEMOIRS BOARD OF EDITORS
T. M. Hammill, Chairman, 1986-1989
M. E. Barr-Bigelow, 1985-1988
J. H. Ginn, 1986-1989
C. T. Rogerson, Managing Editor, MYCOLOGIA, ex officio
H. L. Monoson, Chairman, Membership Committee, ex officio
D. H. Pfister, Secretary, MSA, ex officio

B. COMMITTEE ON FINANCES
M. Powell, Chairman, 1986-1989
C. T. Rogerson, 1987-1990
H. W. Keller, 1988-1992

C. ADVISORY COMMITTEE ON NOMENCLATURE
M. J. Larsen, Chairman, 1987-1990
M. Castellano, 1986-1989
D. Malloch, 1987-1990

D. COMMITTEE ON MEMBERSHIP (SUSTAINING)
M. L. Monoson, Chairman, 1986-1989
J. Pommerville, 1986-1989
G. C. Adams, 1987-1990
D. Betterley, 1986-1989
C. B. Wolfe, Jr., 1987-1990
A. D. Parker, 1988-1991

E. COMMITTEE OF PLACEMENT
G. Morgan-Jones, 1988-1989
F. COMMITTEE ON ENDOWMENT
R. D. Goos, 1988-1989
O. K. Miller, Jr., 1988-1990
F. B. Reeves, Jr., 1988-1991

G. COMMITTEE ON TEACHING OF MYCOLOGY
E. J. Ridley, 1986-1989
D. A. Glawe, 1987-1990

V. ROTATING COMMITTEES:

A. PROGRAM COMMITTEE
S. Anagnostakis (Ecology-Pathology), 1985-1989
J. W. Taylor (Cytology-Genetics), 1986-1990
G. C. Carroll (Ecology-Pathology), 1987-1991
G. F. Bills (Morphology-Taxonomy), 1988-1992
J. Pommerville (Physiology-Biochemistry), 1988-1993

B. COMMITTEE ON AWARDS
I. K. Ross, Chairman, 1987-1989
D. E. Hemmes, 1987-1990
Scott Redhead, 1988-1992
H. L. Monoson, Chairman, Membership Committee, ex officio

C. COMMITTEE ON ANNUAL LECTURER
M. F. Allen, Chairman, 1986-1989
L. M. Kohn, 1987-1990

D. COMMITTEE ON CULTURE COLLECTIONS
R. A. Humber, Chairman, 1988-1992
L. Sigler, 1986-1989
F. F. Lombard, 1988-1990
M. Blackwell, Secretary, MSA ex officio

E. COMMITTEE ON NOMINATIONS
J. W. Kimbrough, Chairman, 1988-1989
H. C. Aldrich, 1988-1991

F. COMMITTEE ON PHYTOPATHOLOGY
E. L. Stewart, Chairman, 1988-1992
L. F. Grand, 1988-90
L. J. Spielman, 1988-91

G. COMMITTEE ON MEDICAL MYCOLOGY
M. J. Dykstra, Chairman, 1988-1991
I. Salkin, 1986-1989
K. J. Kwon-Chung, 1987-1990

VI. SPECIAL COMMITTEES:

A. COMMITTEE ON COLOR STANDARDS
K. H. McKnight, Chairman W. B. Cibula
W. I. E. Illman M. M. Kulik
O. K. Miller, Jr.
B. FORAY COMMITTEE
   W. B. Cooke, Chairman  
   G. L. Benny  
   C. T. Rogerson  
   M. E. Palm  
   R. L. Gilbertson  
   D. H. Pfister, Secretary, MSA,  
   ex officio  
   H. H. Burdsall, President, MSA,  
   ex officio  
   C. W. Mims, President-Elect,  
   MSA, ex officio

C. COMMITTEE ON PUBLICATION OF MEMORIALS
   R. H. Petersen, Chairman  
   C. T. Rogerson, Historian  
   H. H. Burdsall, Jr., President, MSA

D. HISTORIAN
   C. T. Rogerson

E. AD HOC COMMITTEE ON LIAISON WITH AMATEUR MUSHROOM CLUBS
   G. M. Mueller, Chairman  
   O. Lang  
   W. Litten

F. AD HOC COMMITTEE ON PUBLICATIONS
   M. E. Palm, Chairman  
   W. J. Sundberg  
   T. M. Hammill  
   M. J. Powell, ex officio  
   Donald Barr, ex officio

VII. AFFILIATED SOCIETIES
   The Boston Mycological Club, c/o E. H. Halliwell, 855 Commonwealth Avenue,  
   Newton, MA 02159
   Colorado Mycological Society, 3024 S. Winona Ct., Denver, CO 80236
   The Mycological Society of San Francisco, P.O. Box 11321,  
   San Francisco, CA 94101
   New York Mycological Society, Attn: Mr. Emil Lang, 1700 York Avenue,  
   New York, NY 10028
   The North American Mycological Association, Gary Lincoff, President,  
   New York Botanical Garden, Bronx, NY 10458
Mycological Society of America
Second Annual Executive Committee Meeting
18-19 February 1988, Athens, Georgia

1. Society organization was discussed. The Executive Committee felt that the Medical Mycology and Culture Collection committees should be made Rotating Committees and Teaching should be made a Standing Committee. The need for some existing committees was discussed, but no action was taken. The rest of the Council will be contacted by telephone for approval of committee changes.

2. The ballot for 1988 includes a large number of By-Laws changes to be voted upon by the entire membership. Especially critical are a dues increase and a new balloting procedure. If the new election procedure is approved by the membership, Charles Mims will write guidelines for use by the nominating committee. The explanatory materials to be included with the ballot were examined and approved by the Executive Committee.

3. The announcement of applications for the Smith Fund Travel Awards will be sent with the ballot materials so that the first award can be announced at the Davis meeting.

4. Martha Powell, Treasurer, has begun preparation of an NSF (Systematics and Evolutionary Biology) travel grant for IMC in Regensburg, West Germany, 23 August - 3 September 1988. The Society will ask for $10,000 with $3,500-$5,000 for cost sharing. Submittal by January 1989 should result in a decision by spring 1989. Payment to awardees would be reimbursement in Fall 1990. Criteria for awards will include scheduled paper presentation, lack of other support, publication record, and relevance of specialization to meeting objectives. Some preference will be given to younger MSA members and diversity of specializations will also be considered. Because of NSF restrictions many non-USA MSA members will not be eligible for the travel awards. Canadian members will be contacted to see if a similar proposal might be submitted to Canadian agencies.

5. The desirability of including all who study fungi in MSA was reiterated. At this time we can plan to make our paper sessions as attractive as possible to peripheral groups; however, the needs of the majority of members must always be considered.

6. Sandra Anagnostakis' suggestion of a "Memorial Lecture Fund" within the Endowment Fund was deemed to be a good one to be implemented if the Endowment Fund proposal is accepted by the membership on the 1988 ballot.

Mel Fuller spoke to the Executive Committee on the need for MSA to work toward a better future. A need for education about the field of mycology is being met partially by the careers brochure (6,000 are left). The possibility of publications by the Society aimed at improved teaching of mycology was suggested. Dr. Fuller also spoke about the need for an active placement service. The past service of Gareth Morgan-Jones in sending letters to prospective employers was discussed. Another mailing to prospective employers and ads in Science and other journals should acquaint employers with the MSA Placement Service. The service could be free to Sustaining Members and could be available at a minimal charge to others. The Executive committee implemented some of these ideas by appointing Bob Pohlad to use the database to send out information to employers and employees. A $300 budget was alloted for expenses until August 1988 to be used by Drs. Pohlad and Morgan Jones.
The Society will look into the possibility of publishing a 20 year index to *Mycologia* with the permission of the New York Botanical Garden which owns the Journal. This endeavor would be an attempt to provide seed money for proposed Society publications which have been suggested by several members.

An ad hoc committee to evaluate all MSA publications will be appointed by the President, Martha Christensen. The committee membership was discussed. The committee will be charged with evaluation of current publications and the need for new publications.

A need to obtain and retain sustaining members was discussed. The possibility of an MSA product user survey and the need for a package of nicely printed materials for solicitation of potential sustaining members will be examined by the President.

As a function of the Committee on Teaching Paul Olexia has asked David Porter to begin to get together transparency sets which would be appropriate for the teaching of mycology and general botany. These sets would be available from the Society at reasonable cost. A request for participation and contributions will be prepared by Dr. Porter for inclusion in the ballot mailing for 1988. That the Teaching Committee be made a Standing Committee should help to provide continuity and allow time for completion of projects of this kind.

An increase in number of Society awards has increased work of the Committee on Awards. The Executive Committee suggested an increased Awards Committee membership with subcommittees designated for judging each award. The William H. Weston Award for Teaching Excellence might also be decided by a subcommittee of this committee. Also plaques should be standardized as they have been over the last few years by informal arrangements. This year they should be measured and photographed so that the information will be available to incoming chairmen.

President-Elect Hal Burdsall is preparing the Society manual of operations with the help of former and present officers and committee chairmen. About 75% of the reports have been submitted to him.

Paul Szanislo, 1988 Program Chairman, reports that plans are going well for the Davis meeting in August. The present committee organization is working this year and no changes are suggested. The Executive Committee discussed the need to insure that everyone in the Society is welcome to submit symposium topics for consideration each year. This could be handled by a notice in the Newsletter.

Iris Charvat will be asked to consider remaining as Editor of the *Newsletter* for a full term when her partial term is completed.

Future meeting places were discussed. Hal Burdsall has offered tentatively to host the 1990 meeting at Madison, Wisconsin, and he will look into the details to present at the 1988 Council meeting. The 1990 meeting will probably be held in June because of the August-September Regensburg Congress. Meetings with AIBS in San Antonio in 1991 and with the Canadian Phytopathological Society at Prince Edward Island in 1992 will be considered. The possibility of meeting with the British Mycological Society at some time in the future will be suggested to the BMS General Secretary.
17. In order to save MSA time and money on mailings several items which have often been mailed separately to society members will be included in the December 1988 Newsletter. The 1) call for award nominations, 2) officer nomination ballots, 3) dues notice, and 4) abstract forms will be included in the Newsletter. In order to draw attention color coding of forms and a cover notice of forms included will be used.

18. The Treasurer, Martha Powell, discussed the need for budgets for officers, editors, and committees if over $200 a year will be needed to function. This way needs may be prioritized. The Treasurer would suggest budgets for Secretary, Treasurer, President, Newsletter Editor, and Program Chairman to be approved by the MSA Council annually. Extraordinary expenses would need Finance Committee approval.

19. The possibility of special appreciation awards to be given at irregular intervals was approved in principle for later discussion at the Council meeting.

20. The need for bonding of officers and chairmen who handle money for MSA was discussed. The possibility of obtaining liability insurance for volunteer officers and appointees will also be investigated for discussion in Davis.

21. Plans for the Endowment Fund await the approval of its establishment by the membership. However, plans are to keep the fund independent of the Treasurer and Finance Committee with the Treasurer an ex officio member of the proposed Endowment Committee.

22. Several suggestions were made about Mycologia. Current library subscription rates ($70 for 6 numbers per year) are low compared to some similar society journals (Journal of Phycology, $95 for 4 numbers per year). An increase in subscription rates might alleviate the need for increasing MSA dues so often. Also, Mycologia is not advertised in the 1988 Allen Press Cooperative Subscription Catalogue. The $350 full page advertisement looks like a good idea especially since a number of similar botanical journals are represented. Clark Rogerson will be contacted on these matters. The editor of Mycologia, Ronald Petersen is at the mid point in his five year tenure and we should begin to consider options for the next five years now.

Respectfully submitted
Meredith Blackwell
Secretary, MSA
Minutes
MSA Council Meeting
14 August 1988
9:00 AM - 5:30 PM
de Carli Room, Memorial Union
University of California
Davis, California

1987 Council Minutes were accepted.

Regrets were received from Sally Gochenaur and James Trappe for their absence at the meeting.

The Secretary announced the following election results:
Vice-President: Donald Barr
Secretary: Donald Pfister
Councilor, East: David Porter
Councilor, Ecology-Pathology: Robert Fogel
Councilor, Morphology-Taxonomy: Linda Kohn

All five By-Laws changes were passed

4. The Council thanked Paul Szaniszlo, Program Chairman, and Kenneth Wells, Local Arrangements Chairman, for the well planned meeting.

5. Sandra Anagnostakis, program chairman for the 1989 Toronto meeting invited symposium suggestions be submitted immediately. David Malloch was appointed local arrangements chairman for the Toronto Meeting.

6. The Secretary’s report was discussed and a concern was expressed about low return on ballots.

The Treasurer reported that the Society is fiscally sound, but increasing publication costs of Mycologia necessitated a dues increase for 1990.

8. The Executive Committee Meeting minutes of February 1988 were discussed. The success of the meeting for long range planning was reaffirmed. The minutes are appended.

9. The report of Ronald Petersen, Editor-in-Chief, Mycologia was considered. The Council approved appointment of James Anderson, John Taylor, and Richard Koske to the Editorial Board. Dean Glawe was approved as Book Review Editor. A 10% salary increase for an editorial assistant was discussed and approved for consideration by the NYBG as of 1 July 1988.

The current editor is past the mid point of his five year term. The Council and the editor-in-chief will compile a list of appropriate willing editor candidates by February 1989. The membership will be notified of the availability of the position in the next MSA Newsletter.

10. Roy Halling reported for Clark Rogerson, Managing Editor, Mycologia. A proposal for saving $2,500/yr. on publication costs of the journal was rejected by Council; it was deemed that a change from 70 pound weight paper to 60 pound weight paper would reduce the quality of the journal.
Handling fee increases from $4.50 to 7.50 for subscribers and $4.50 to 5.00 for members were announced.

Maria Lebron-Luteyn reported that *Mycologia* will be listed in the next Allen Press Directory of Publications. She also responded when asked that electronic publication of *Mycologia* is not feasible at this time.

11. In order to prevent mistakes in the list of officers, editors and sustaining members on *Mycologia* covers, a procedure for communicating changes was outlined. New officers and their addresses will be given by the Secretary to the Editor-in-Chief who will notify Maria Lebron-Luteyn. She will give the information to Allen Press. The Sustaining Members should be told that their names will be added within a certain time so that they will be aware of a several month delay.

12. Herbert Monoson, Chairman, Sustaining Membership Committee, reported that we now have 30 sustaining members; six resigned since last year; seven are new or reinstated. Sustaining Members contributed $6,465 to the Society this year. Several Council Members suggested that Sustaining Members should be thanked by including a short statement on purchase order forms.

13. Iris Charvat, Editor, MSA Newsletter requested suggestions for improvements and additions to the newsletter. The Council approved a change in publication dates beginning fall 1988 from June and December to April and October of each year. This will allow for inclusion of nomination forms, abstract forms, and other materials usually mailed by the Secretary and the Program Chairman. This will require a strict adherence to Newsletter deadline dates and will require vigilance on the part of the Members so that these important materials will not be overlooked. These changes will result in postage savings.

Dr. Charvat will continue as Newsletter Editor through completion of the April 1989 volume [Vol. 40, No. 1].

14. Charles Mims, Vice President, MSA, detailed the new election procedures to be followed as a result of the By-Laws change approved by the Membership in the 1988 election. Elections shall be conducted by the Vice President. General guidelines to be used by the Vice-President and the Nominating Committee were approved. No member of the Nominating Committee may be nominated during his or her tenure on the Committee.

15. A manual of operations for society officers, representatives, editors, and committee chairmen was prepared by H. H. Burdsall. The document will be considered by appropriate members for additions. The Vice-President shall be responsible for updating the document periodically. More detailed job instructions, when needed, will be prepared by the persons in the positions and given to their replacements.

16. Allowable maximum yearly expenses for the following officers and chairmen were suggested by the Treasurer and approved by Council: President-$500, Vice-President-$500, Secretary-$2000, Treasurer-$500, Program Chairman-$2000, Newsletter Editor-$9000, Placement Committee-$850, Annual Lecturer Committee-$200 for honoraria (+$300 allowable travel expenses without Finance Committee approval).

17. IMC 4 travel grant proposal to NSF is being prepared by Martha Powell for 1 January 1989. Criteria: Geographical distribution, institution size, gender, participation $10,000 - request from NSF ($500 grants to members who meet criteria)
$4,000 cost sharing by MSA (includes $1000 for president).
Prof. David Hawksworth will provide a history of the congress to be included in
the proposal.

Councilors for interest areas will describe the importance (especially for
ecology and systematics) of the Congress and how it will enhance mycology in the
United States.

An ad hoc committee for selection appointed by the President will be made up of
individuals not applying for funds.

18. Dues for IMA were paid as follows: 1984 - $25
1985 - $60
1986 - xxx
1987 - $60
1988 - $828

IMA now wants $1,200 back dues.
The president will request a clarification of the official agreement with IMA,
and 2) request a clarification on society participation in selection of North
American representatives.

19. Endowment fund planning has been done by M. Powell and Roger Goos. Council
approved transfer of several funds to the Endowment Fund:
1) Mycologia Memoirs and Research Grants and Publications Funds. Transferred
to endowment Publications Fund.

2) Barksdale Memorial Fund. Transferred to endowment Memorial Fund.

20. Sandra Anagnostakis suggested memorial lectures to honor the memories of
mycologists be given. Council approved that interest from the Memorial Fund be
used for this purpose.

21. Teaching slides are on display and orders may be placed at this meeting. The
Teaching Committee with the help of David Porter will continue to gather slides.

Not only will mycologists be able to enhance their teaching materials, but also
good materials will be made available to high school and elementary biology
teachers.

22. Council approved meeting in 1990 in the third week of June at Madison, Wisconsin.
Hal Burdsall will be in charge of local arrangements. The Society will advance
up to $3,000 for meeting planning which will be reimbursed from registration
fees. The Society will have to consider the possibility of occasionally meeting
alone in the future because AIBS will begin to meet in hotels and conference
centers after the 1989 Toronto meetings.

23. Paul Szaniszlo reported for the Program Committee. He expressed a need for an
additional member of the program committee to help arrange symposia. Council
approved the awarding of a second graduate poster presentation prize in 1989 to
encourage more posters.

24. Ian Ross reported for the Awards Committee. The committee report is published
below. Although a fairly large number of nominations were received, more are
encouraged.

25. Paul Olexia, Teaching Committee Chairman, reported for the committee. The report
is published below.
26. The Smith Fund Travel Award Committee Chairman, Harry Thiers, announced Dr. Egon Horak as the first award winner.

27. Marin Klich reported that Dr. Kuyng J. Kwon-Chung has accepted the invitation to be Annual Lecturer in 1989.

28. Dr. Wm. Bridge Cooke requested that foray participants send their lists to him in a reasonable time so that foray reports may be published in a timely fashion. Lists are being compiled for the last two forays.

29. Council recommended permanent establishment of the ad hoc Ecology Liaison and Amaturer Mycological Society Committees as rotating committees. Approval of this By-Laws change will need to be considered by the membership in the next election.

30. The AIBS-Public Responsibility Representative, Michael Miller, presented information on the Biological Diversity Act being considered by the U.S. Congress. Mike, Hal Burdsall, and Martha Christensen were charged with preparing a letter of support for the Society. Individual members are urged to write to their congressmen and other appropriate officials. Information is available from Mike Miller. Passage of the bill may result in increased funding for NSF to study systematics.

31. Mary Palm, chairman of the ad hoc publications committee, gave an extensive report on possible modification of existing MSA publications and additional publications. Council approved having the committee proceed with publishing the next 20-year cumulative Mycologia Index. It will be scanned from yearly indices.

Council also recommended approval of a permanent Publications Committee which will necessitate a By-Laws change to be voted upon by the full membership.

32. Other reports were received from the Mycologia Memoirs Editor (Terrence Hammill), Committee on Medical Mycology (Michael Dykstra), Nomenclature (Michael Larsen), Memorials (Ronald Petersen), Culture Collections (Amy Rossman), and the Historian (Clark Rogerson). Representatives for AAAS (Mary Palm), AIBS (Jerome Motta), Biological Stain Commission (Terrence Hammill), Medical Mycological Society (Michael Dykstra), and IUMS (Roger Goos) were also received.

33. The meeting was adjourned at 5:35.

Respectfully submitted

Meredith Blackwell
Secretary, MSA
Minutes
Fifty-Fourth Annual Business Meeting
Mycological Society of America
University of California, Davis
Memorial Union, Pub
17 August 1988
8:00 AM

1. The meeting was called to order by President Martha Christensen. She introduced guests at the head table including Prof. Dr. A. Bresinsky from Regensburg, West Germany.

2. Prof. Dr. Bresinsky invited MSA members to attend the Fourth International Mycological Congress at Regensburg, 28 August-3 September 1990.

3. The election results were reported by the Secretary:
   Vice-President: Donald Barr
   Secretary: Donald Pfister
   Councilor, East: David Porter
   Councilor, Ecology-Pathology: Robert Fogel
   Councilor, Morphology-Taxonomy: Linda Kohn
   All five By-Laws changes were approved

4. The reports of the Secretary and Treasurer were given and are appended.

5. The reports of the Editor-in-Chief and Managing Editor of Mycologia were given and are appended.

6. The minutes of the 1988 Council Meeting were read by the Secretary and are appended.

7. New members of the Society were elected by acclamation.

8. As there was no old or new business the meeting was adjourned by the new President, H. H. Burdsall, Jr.

Respectfully submitted

Meredith Blackwell
Secretary, MSA
The Mycological Society of America
Report of the Treasurer
August 1, 1987–July 31, 1988

Fiscal

As of July 31, 1988, the Society had a balance of $13,643.70 in its Checking Account, $28,213.77 in its Savings Account, $57,000 invested in Bank Certificate of Deposits, and $505.35 in an account administered for profits from Brief History, for a total of $99,362.82 in combined assets. This total includes $4,904 credit for prepayment of 1989 dues.

New receipts from August 1, 1987, to July 31, 1988, totaled $68,410.16. This sum includes $41,827.50 in associate, emeritus, student, regular, and affiliated society membership dues; $185.30 sales of Mycologia Memoirs; $6,465 sustaining members; $72.40 royalties on MSA Guidebook; $4,594.96 interest; and $12,550 contributions to the Smith fund. Contributions to the Smith fund have come from both members and non-members of the society and will support research on fleshy fungi, especially those using the collections of Dr. Alexander Smith.

Disbursements during the period totaled $52,155.30. Included in this total is $25,875.00 for Mycologia subscriptions, claims and late mailings; $826.50 Allen Press Dues Notices; $2,443.00 dues to associated societies; $991.21 travel of MSA representative to organizational meetings; $1,480.30 MSA officers' mid-year planning meeting; $339.39 president's expenses; $2,000 secretary's expenses; $252.94 treasurer's expenses; $8,680.94 MSA Newsletter Editor's expenses; $2,650 awards; and $4,500 printing of Directory.

The society has a good fiscal status where receipts exceed disbursements, but several factors jeopardize operational funds. Costs of per member subscription payment for Mycologia alone exceeds annual dues for student and emeritus members. Our society's payments to associated groups is increasing, as are the costs of newsletter production and postage. The $5.00 per member increase in dues to begin in 1990 should help us maintain our sound fiscal status. Our appreciation is expressed to committee chairs' and officers' home institutions which have helped defray some of the operational costs of the society's functions. Continued strong support from our sustaining members has been vital.

Membership

As of July 31, 1988, the society membership consisted of: 1025 regular members, 179 student members, 14 corresponding members, 31 life members, 5 affiliated societies, 30 sustaining members, 63 emeriti receiving the journal, 34 emeriti not receiving the journal, and 52 associates for a total of 1,433 members. During the period of this report there were 135 new
members, including 48 students, 73 regular, 5 sustaining, and 9 associates. The efforts of Dean Glawe, Herbert Monoson, and Paul Szaniszlo in encouraging new memberships are especially recognized. One hundred eighty-five 1987 members have not paid their 1988 dues due to death, cancellations, or other causes. Thus the total net change in membership is -50.

Third-time dues reminders were mailed to 512 unpaid members on December 11, 1988 (the two earlier reminders were mailed with issues #4 and #5 of Mycologia). There will be only one dues envelope for receipt of 1989 dues, and that will come with vol. 80 #4 of Mycologia. Because of incurred costs to the Mycologia managing office, a $10 late fee will be accessed for payments post-marked after January 1. Members should note that the dues notices advise ignoring the reminder if payment has already been made and that dues envelopes are mailed to paid and unpaid members alike. A new system of label production has been installed at the New York Botanical Garden which will have better retrieval capabilities.

FINANCIAL SUMMARY - FISCAL YEAR 1987
August 1, 1987 - July 31, 1988

1. CHECKING ACCOUNT

BALANCE -- August 1, 1987 .............. +$12,871.63

RECEIPTS:

Membership Dues ................ $41,827.50
Interest NOW Account ........... 1,229.75
Reimbursement from Biological
  Stain Commission ............. 65.00
Transfer from savings for
  1987 Awards ................ 2,650.00

TOTAL RECEIPTS ................ $45,772.25

DISBURSEMENTS:

Mycologia (Vol. 79, 1987) subscriptions ................ $25,875.00
Allen Press -- Dues Notices ......................... 826.50
Mailing Labels ................................. 350.00
Bank -- Service Charges ...................... 162.96
Bank -- Foreign Check Collection Fee ............ 32.22
Bank -- Returned Checks ...................... 245.00
Refunds for overpayment .................... 20.00
Incorporation Fee ......................... 25.00
Trophies ................................... 101.39
Deposit on T-shirts ....................... 300.00
Annual Reviews Payment ................. 84.00
Dues to Other Societies:

- Biological Stain Commission (returned) .......... $ 65.00
- International Union of Microbiologists (1987 and 1988) .......... 1,000.00
- Association of Systematic Collections (1987 and 1988) .......... 100.00
- AIBS ........................................ 450.00

**TOTAL Dues to Other Societies** 2,443.00

Travel of MSA Representatives to Biological Stain Commission Meeting .......... 370.00
Travel of Program Chair to AIBS Planning Meeting .......... 627.21
Mid-Year Officers' Planning Meeting ................................ 1,480.30

President's Expenses:

- Telephone ..................................... $281.44
- Supplies ..................................... 57.90

**TOTAL President's Expenses** ............................. 339.39

Secretary's Expenses:

- Bank Service Charges ................................ $ 37.50
- Printing ....................................... 1,027.83
- Postage ....................................... 550.06
- Supplies ...................................... 10.75
- Annual Review Payment ................................ 21.70
- Labor .......................................... 50.00
- Current Reserves ................................ 590.46

**TOTAL Expenses** ........................................ $2,288.30

- Initial Reserves ................................... $ 85.90
- Annual Review ..................................... 130.05
- T-shirt .......................................... 10.00
- Canadian Check ................................... 18.90
- Residual for directory account ....................... 43.45

**TOTAL Income other than 1987-88 Checking** .......... $288.30

**TOTAL Secretary's Expenses** ................................ 2,000.00

Treasurer's Expenses:

- Postage ......................................... $202.94
- Supplies ........................................ 50.00

**TOTAL Treasurer's Expenses** ................................ 252.94

**MSA Newsletter Editor (1986-1987) Postage** .......... 284.33
### MSA Newsletter Editor (1987-88) Expenses:

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Miscellaneous Reimbursement</td>
<td>$230.94</td>
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<tr>
<td>Supplies</td>
<td>120.94</td>
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<tr>
<td>Postage</td>
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<tr>
<td>Printing</td>
<td>5,098.81</td>
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<tr>
<td>Labor</td>
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<td>Telephone</td>
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<td>Current Reserves</td>
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<td><strong>TOTAL Expenses</strong></td>
<td><strong>$12,188.01</strong></td>
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<tr>
<td>Initial Reserve</td>
<td>$3,500.00</td>
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<tr>
<td>YTD Dividends</td>
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<td><strong>TOTAL Income other than 1987-88</strong></td>
<td><strong>$3,507.07</strong></td>
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<tr>
<td><strong>TOTAL Expenses from Checking</strong></td>
<td><strong>$8,680.94</strong></td>
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<tr>
<td>Program Chair Expenses</td>
<td>500.00</td>
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<tr>
<td><strong>TOTAL Disbursements</strong></td>
<td><strong>$64,155.12</strong></td>
</tr>
<tr>
<td><strong>NET Assets in Checking Account, July 31, 1988</strong></td>
<td><strong>$13,643.70</strong></td>
</tr>
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### 2. Savings Account

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>BALANCE August 1, 1987</td>
<td>+$69,730.98</td>
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</table>

#### RECEIPTS

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales on Mycologia Memoirs</td>
<td>185.30</td>
</tr>
<tr>
<td>Smith Fund</td>
<td>12,550.00</td>
</tr>
<tr>
<td>Sustaining Members</td>
<td>6,465.00</td>
</tr>
<tr>
<td>Royalties on MSA Guidebook</td>
<td>72.40</td>
</tr>
<tr>
<td>Interest from Savings</td>
<td>2,096.84</td>
</tr>
<tr>
<td>Interest from Certificate of Deposits</td>
<td>1,268.37</td>
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<tr>
<td><strong>TOTAL Receipts</strong></td>
<td><strong>+$22,637.91</strong></td>
</tr>
</tbody>
</table>

#### DISBURSEMENTS

<table>
<thead>
<tr>
<th>Item</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Transfer to Certificate of Deposit</td>
<td>$57,000.00</td>
</tr>
<tr>
<td>Alexopoulos Prize</td>
<td>350.00</td>
</tr>
<tr>
<td>Student Awards</td>
<td>2,300.00</td>
</tr>
<tr>
<td>Directory</td>
<td>4,500.00</td>
</tr>
<tr>
<td>Bank Charges</td>
<td>5.12</td>
</tr>
<tr>
<td><strong>TOTAL Disbursements</strong></td>
<td><strong>-$64,155.12</strong></td>
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</table>

<table>
<thead>
<tr>
<th>Item</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NET Assets in Savings, July 31, 1988</strong></td>
<td><strong>$28,213.77</strong></td>
</tr>
</tbody>
</table>
### Certificate of Deposits:

<table>
<thead>
<tr>
<th>Maturity Date</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/13/88</td>
<td>$20,000.00</td>
</tr>
<tr>
<td>4/12/89</td>
<td>$27,000.00</td>
</tr>
<tr>
<td>5/9/89</td>
<td>$10,000.00</td>
</tr>
</tbody>
</table>

**TOTAL Assets in Investments, July 31, 1988** $57,000.00

### ITEMIZATION OF SPECIAL FUNDS

#### Operational Reserve Fund

**Balance, August 1, 1987** $27,571.47

**RECEIPTS**

- Sustaining Members Dues: $6,465.00
- Royalties on MSA Guidebook: 72.40

**TOTAL Receipts** $6,537.40

**DISBURSEMENTS**

- Bank Charges: $5.12
- Student Awards: $2,300.00
- MSA Directory: $4,500.00

**TOTAL Disbursements** $6,805.12

**NET** $27,303.75

**Interest** $1,121.21

**BALANCE** $28,424.96

### Mycologia Memoir Fund

**Balance, August 1, 1987** $23,735.46

**Receipts** $185.30

**NET** $23,920.76

**Interest** $984.00

**BALANCE, July 31, 1988** $24,904.76

### Alexopoulos Fund

**Balance, August 1, 1987** $8,264.76

**RECEIPTS** $0.00

**DISBURSEMENT of Award** $350.00

**NET** $7,914.76

**Interest** $330.00

**BALANCE, July 31, 1988** $8,244.76
Research Grants and Publications Fund
BALANCE, August 1, 1987 ................ $1,062.62
RECEIPTS ..............................  -  0 -
NET .................................. $1,062.62
Interest ..............................  42.00
BALANCE, July 31, 1988 ................. $1,104.62

Barksdale Memorial Fund
BALANCE, August 1, 1987 ................ $  748.67
RECEIPTS ..............................  -  0 -
NET .................................. $  748.67
Interest ..............................  30.00
BALANCE, July 31, 1988 ................. $  778.67

Life Membership Fund
BALANCE, August 1, 1987 ................ $5,495.00
RECEIPTS ..............................  -  0 -
NET .................................. $5,495.00
INTEREST ............................  223.00
BALANCE, July 31, 1988 ................. $5,718.00

Smith Fund
BALANCE, August 1, 1987 ................ $2,853.00
RECEIPTS .............................. 12,550.00
NET .................................. $15,403.00
Interest ..............................  635.00
BALANCE, July 31, 1988 ................. $16,038.00

FINANCIAL SUMMARY OF THE SOCIETY

Assets

Checking Account ........................ $13,643.70
Savings Account ........................ 28,213.77
Certificate of Deposits .................. 57,000.00
Brief History Account (Dr. Pfister) ....... 505.35
TOTAL Assets, July 31, 1988 ............. $99,362.82

Assets, August 1, 1987 .................. 82,602.61

NET Change in Assets ................... $16,760.21

Respectfully submitted,

Martha J. Powell
Treasurer
The society wishes to express appreciation to the following individuals and clubs who have donated to the Alexander H. and Helen V. Smith Research Fund from December, 1986 - August, 1988:

Mrs. F. K. Sparrow
Mr. and Mrs. George H. Sexton
Mr. and Mrs. Richard L. Patterson
Ms. Cecille D. Smith
Mrs. Marian Norman
Ms. Janice N. Baird
Fred and Carol Nimke
Kenneth W. and Martha W. Cochran
Mr. and Mrs. Joseph E. Kallenbach

Wendell and Virginia Smith
Robert and Catherine Collins
William J. Long
Mrs. Ellen Trueblood
Harley and Kit Barnhart
Mrs. Margaret Underwood
Dan Guravich
Puget Sound Mycological Society
Drs. Howard and Margaret Biglow
Clarence and Lucille Steffey
Raymond and Barbara Reinert
Roger Philips
Helen L. Johnson
North Idaho Mycological Association
Kitsap Peninsula Mycological Society
Ms. Nina Johnson
William and Hedwic Cibula
Dr. Orson K. Miller, Jr.
Dr. James M. Trappe
Dr. Margaret Barr Bigelow
(In memory of Dr. Howard Bigelow)
North American Mycological Association
William Cibula and Family
(In memory of Dr. Howard Bigelow)

Edward G. Voss
Mr. and Mrs. Carl H. Fischer
Mr. and Mrs. Erich E. Steiner
Mr. and Mrs. Larry D. Nooden
Michigan Mushroom Hunters Club
Dr. and Mrs. William Graebel
Rup Chand
Michael J. Wynne
South Western Michigan Botanical Club
Stephen D. Rains
David and Marian Gates
George and Kathleen Thomson
Sam and Ruth Ristich
Mr. Walter Litten
Nelle Tobis
Denver Botanic Gardens
Marilyn Shaw
Dr. Stanley R. & Marilyn Smith
Albert and Elizabeth Carlson
Michael R. Pack
Sue Renolaw
Jan Gurr
Elizabeth N. Graham
Paul W. Thompson
Ms. Donna Schumann
Cornelia Calhoun
Prof. Dr. H. P. Molitoris
Dr. Helen Smith and Family
Elisabeth P. Farwell
Gulf States Mycological Society
Dr. Harry Thiers
Phyllis E. Kempton
Donations can now be made to the Mycological Society of America Endowment Fund. When making a contribution, please designate which of the following sub-funds should be credited.

1) **Publication Fund:** for support of informational development and resources to be used in enhancing mycological teaching and research.

2) **Memorial Fund:** for support of "named" society activities, such as memorial lectures and student travel grants. This fund remembers Dr. Alma Barksdale and Dr. John Raper. Memorial gifts may be made in memory of these mycologists or in memory of others, whose names will then also become part of this memorial fund.

3) **General Fund:** for support of special activities such as workshops, symposia and travel grants to international congresses.

Because the Endowment Fund has just been approved by the membership, specific guidelines for each fund are being developed.

In addition to these endowment activities, contributions may also be given to two other special programs:

1) **Smith Fund:** for support of research using the herbarium of Dr. A. Smith at the University of Michigan and field work on the Agaricales.

2) **Alexopoulos Fund:** provides an annual cash award recognizing outstanding contributions in mycology by an investigator within their first decade after receipt of the Ph.D.

Gifts should be in U.S. dollars, made payable to Mycological Society of America, and mailed to Dr. Martha J. Powell, Treasurer, MSA, Department of Botany, Miami University, Oxford, OH 45056.
COMMITTEE REPORTS

Awards Committee Report

August 12, 1988

The Awards Committee presently supervises awards in five categories:
1. Alexopoulos Prize (1)
2. Distinguished Mycologist Award
3. MSA Graduate Fellowships (2)
4. Graduate Research Prizes (2) for oral presentations at the annual meeting.
5. Graduate Research Prize (1) for poster presentation at the annual meeting.

For 1988, the Alexopoulos Prize was awarded to Scott Redhead.
The recipient of the Distinguished Mycologist Award was D. B. Q. Saville.
The recipients of the MSA Graduate Fellowships for 1988 were Paula T. DePriest, a student at Duke University with Dr. Culberson, and Lisa Muehlstein, a student at the University of Georgia with Dr. David Porter.

There are 28 applicants for the two Graduate Research Prizes for papers to be presented orally at these meetings, up 4 from last year, and 16 applicants for the one Graduate Research Prize for a poster presented at these meetings, up 5 from last year. The winners will be announced at the awards ceremonies on Wednesday, August 17, 1988.

I wish to thank Dr. Robert Gilbertson for his continued help in getting the awards plaques made. Thanks are also due to Dr. John Taylor for agreeing to judge the oral presentations in place of Dr. Tom Gaither, who could not be here. Special thanks are extended to the four members of MSA who I managed to recruit at the last minute to judge the poster presentations; Drs. Diane Testrake, David Porter, George Carroll and Richard Humber.

I became chairman of the Awards Committee late in the game and I wish to thank all those who helped me pick up the reins from Jim Anderson, especially the members of the committee who had to put up with many last minute telephone requests, and Meredith Blackwell who was a real life-saver. Despite the change in the chair, all documents seem to have made it to the appropriate place in time. We had a fair number of applicants for the MSA Fellowships and a good number for the Alexopoulos Prize. We would, however, like to see an increase in those numbers and strongly recommend that graduate students are encouraged to apply and that we become more aware of young, active mycologists who qualify for the Alexopoulos Prize.

Respectfully submitted,

Ian K. Ross, Chair
Department of Biological Sciences
University of California
Santa Barbara, CA 93106
I. Present Sustaining Members:

1. American Cyanamid Company
2. Amycel, Inc. (Monterey Mushrooms, Inc.)
3. Analytab Products
4. Bellco Glass, Inc.
5. Buckman Laboratories, Inc.
6. Camsco Produce Company, Inc.
7. Carolina Biological Supply Company
8. Herbarium Supply Company, Inc.
9. Hoechst-Roussel Pharmaceuticals Inc.
10. Hoffman-LaRoche, Inc.
11. Janssen Pharmaceutica
12. L. F. Lambert Spawn Co., Inc.
13. Lab-Line Instruments, Inc.
14. Lane Science Equipment Company
15. Merck, Sharp and Dohme Research Laboratories
16. Miles Laboratories, Incorporated
17. Mycotaxon, Ltd.
18. New England Antigenics
19. Ortho Pharmaceutical Corporation
20. Pelco, Inc.
22. Pfizer, Inc.
23. Pioneer Hi-Bred International, Inc.
24. Rohm and Haas Co.
25. Schering Corporation
26. Smith Kline French Laboratories
27. Spawn Mate, Inc.
28. Triarch Incorporated
29. Uniroyal Chemical Company, Inc.
30. The Upjohn Company

The following Sustaining Members (6) resigned since the 1987 Annual Report: DeKalb-Pfizer Genetics, Difco Laboratory Products, Eli Lilly and Company, New Brunswick Scientific Co., Inc., Northwest Mycological Consultants and Stauffer Chemical Company. Southwest Mold Laboratory has changed its name to New England Antigenics.

II. Present Committee Members, terms of office:

1. Dr. Herbert L. Monoson, Chairman (1986-89) Term expires
2. Dr. Donald A. Betterley (1986-89)
3. Dr. Iris Charvat (1986-88)
4. Dr. Michael Dunn (1985-88)
5. Dr. Gary Adams (1987-90)
6. Dr. Terry Hill (1985-88)
7. Dr. John Leslie (1987-90)
8. Dr. Rodney Roberts (1987-90)
9. Dr. David McLaughlin (1985-88)
10. Dr. Jeffery Pommerville (1986-89)
11. Dr. Carl B. Wolfe (1987-90)

Four Committee members' terms of office expire: Drs. Iris Charvat, Michael Dunn, Terry Hill, and David McLaughlin. The President should appoint four new members to the Sustaining Membership Committee as soon as possible after the annual meeting.

III. Activities during 1988:

The membership drive commenced in November in order to submit our request for consideration prior to the new year. The Committee contacted companies that had been previous Sustaining Members. We were successful in re-enlisting Analytab Products and Rohm and Haas Co. Special recognition should go to Dr. Rodney Roberts for his re-enlistment of Analytab Products and to Dr. John Leslie for his enlistment of Hoechst-Roussel Pharmaceuticals, Inc. I know that all members of the Committee were active during the year. I deeply appreciate and thank all of the Committee for their time and efforts.

Each Sustaining Member was informed that their company or organization would be included in the Society's journal Mycologia and the Newsletter. In addition, a detailed description of the 1988 award winners would be forwarded to each Sustaining Member company or organization. The Chairman felt that the latter approach would introduce the Sustaining Members to the entire Mycological Society of America membership. Consideration of the Sustaining Members' products and services by the Mycological Society of America membership provides continued support for graduate students research funding.

Respectfully submitted,

Herbert L. Monoson, Chairman
Sustaining Membership Committee
Mycologia Editor-in-Chief of Mycologia

First, allow me to apologize for not attending this meeting of the Council. Given the choice between collecting fungi in northern China and spending some days in August in Davis, my priority is disclosed by my absence.

Since our last meeting in Ottawa, the Editor has handled approximately 275 manuscripts submitted for publication. As usual, most of these have required two reviews (sometimes three), but the quality of the journal has remained high, in my opinion. My thanks go to members of the Editorial Board and to the hundreds of outside reviewers who have rendered prompt, insightful reviews, and have made the process work. A special thanks goes to our Index Editor, David Farr, who has produced thorough and neat indices for the past two volumes of Mycologia. He has graciously accepted another year's term.

I also note, with thanks, the invaluable assistance of Mrs. Gayle Darugh, who performs all the routine chores of the Editorial Office. I have requested a modest (10%) raise in pay for her, after two years on the job, and hope that the Council will approve.

It is a pleasure also to note that my departmental and university administration has supported this office with released time from teaching, and with financial freedom to charge and reimburse departmental accounts for supplies and Gayle Darugh's time, making this process simpler and often saving money as well.

This year, the terms of three members of the Editorial Board expire. On behalf of the Council and the Society, I wish to thank Ed. Butler, June Kwon-Chung, and Sally Gochenaur for their years of service to the editorial office. They have all rendered numerous reviews and good counsel during their terms.

In a process of nomination and balloting, the Editorial Board has arrived at three names to submit to the Council to replace those Editorial Board members whose terms expire. These names are James Anderson, John Taylor and Rick Koske. A fourth name is also submitted with a request that, should any of the first three nominees decide not to serve, the Editor be given permission to contact the fourth nominee.

Dean Glawe has consented to serve as Book Review Editor, and will start immediately. This appointment replace Gil Hughes.

You might be interested in the following statistics: Volume 78 (1986) carried 155 articles in 1009 pages (remember that Council had to approve extra money for the overrun past 950 pages), averaging 6.5 pages/paper. Volume 79 (1987) carried 135 papers in 952 pages, average 7.0 pages/paper. Thus far, volume 80 (1988) has carried 66 papers in 421 pages, averaging 6.4 pages/paper. Thus, the length of pages per article has remained virtually constant.

Finally, it should become common knowledge that the Editorial Office is on electronic mail and BITNET. My full names Ronald H. Peterson, is also my address on MCI mail, and my user ID for BITNET is BITNET*"REPETE@UTKVAX1" (that last character is a one). Communication about manuscripts can be accomplished instantaneously with these devices, and hook-ups should be considered by all mycologists.
A number of items of new business - or perhaps more correctly, conjectural business - should be raised.

1. I have been part of some informal discussion concerning additional types of publications which might be produced by the Society. Please know that while I am very interested in this subject, any additional publication types should be separate from Mycologia, just as Mycologia Memoirs is now.

2. In the same vein, there has been some discussion about whether Mycologia should expand its coverage somewhat, especially into the area of review articles. This is a subject which might be discussed here, at the Council meeting, or by the Executive Committee at its next meeting. I will be happy to attend such discussions, but we must remember that Mycologia is presently a research journal, and to add non-research papers without somehow compensating for the page space used in this way would be to shrink the number of research papers in the journal. This serious policy change should be thought out carefully.

3. The Editor-in-Chief is now more than halfway through his term. Three volumes (of the five which constitute a term) have been put to press, and it is not too soon to begin the process of appointing a replacement for this position. Please consider this, however briefly, at this meeting, but remember it in coming months, for by late 1988, we should already have the names of several possible candidates. A replacement should be named by the 1989 MSA Council meeting and considerable correspondence should be exchanged before then.

Respectfully submitted,

Ronald H. Petersen

Mycologia Managing Editor

Since the Garden's financial records go from 1 July to 30 June, only a preliminary financial report can be given at this time. Total income for Fiscal Year 1987-88 was $157,000 (figures are rounded off). Of this, $102,000 came from subscriptions, $8200 from library exchanges, $26,000 came from the Society for members, $14,400 came from page charges, $4600 came from sale of back issues, $885 came from rental of subscription list, and $427 were from royalties. Expenses totalled $129,000. Printing and mailing of Mycologia cost $102,000, costs of publication office equalled $16,500, of salaries, etc. $9400, costs for new subscription/computerization $1100. At this point, there is a favorable operating net balance of $28,000. Proposed budget for Fiscal Year 1988-89 projects expected income of $145,000 and expenses of $143,500 leaving a surplus of $1500. Production costs for the 1987 volume (vol. 79) of Mycologia indicated that each individual volume cost $30; this indicates a cost per page of $98 with the current print order of 3200 copies. A rough average of 2700 copies of each number are mailed to subscribers.

Respectfully submitted,

Roy E. Halling for Clark T. Rogerson
Managing Editor, Mycologia
Mycologia Memoirs

Annual Report; July 1988

1. During the period since the 1987 report, two new Memoirs have been issued:


2. The manuscript for Memoir Number 14 ("The Non-Stipitate Steroid Fungi in the Northeastern United States and Adjacent Canada," by G. P. Chamuris) is nearly ready to go to press. The manuscript for Memoir Number 15 ("Cultural Studies and Identification of Wood-Inhabiting Corticiaceae and Selected Hymenomycetes from North America," by K. K. Nakasone) has been revised according to reviewers' suggestions, and is being retyped.

3. Membership of the MYCOLOGIA MEMOIRS Board of Editors is:

T. M. Hammill, Chair, 1986-89 (cannot be reappointed to a third consecutive term as Chair according to MSA By-Laws, Article VIII)
M. E. Barr-Bigelow, 1985-88
R. G. Roberts, 1986-88
J. H. Ginns, 1986-89
D. H. Pfister, 1986-89
C. T. Rogerson, Managing Editor, MYCOCLOGIA, ex officio
H. L. Monoson, Chair, Membership Committee, ex officio
M. Blackwell, Secretary, MSA, ex officio

4. Although there are no manuscripts being reviewed at the present time by the MYCOLOGIA MEMOIRS Board of Editors, we have received four inquiries from potential contributors to the series. We hereby solicit additional inquiries and manuscripts.

5. Finally, I wish to thank all the Editorial Board members for their unfailing service to MSA. Their work has been exemplary, and I deeply appreciate their help.

Respectfully submitted,

Terrence M. Hammill
July 8, 1988
Newsletter Editor Report

During 1987 and 1988, Volume 38 (1,2) and Volume 39 (1,2) were published. Volume 38, No. 1 contained 76 pages plus an insert to the International Membership of the Mycological Society of America, making a total of 80 pages. Volume 38 (No. 2) contained 72 pages plus the blue questionnaire stapled in the center as part of the volume. The total number of pages was 76. Volume 39 (No. 1) had 76 numbered pages plus inserts to the International Membership and the questionnaire for a total of 84 pages. Volume 39 (No. 2) has 64 pages plus 12 pages of inserts making a total of 76 pages. The non-numbered pages are primarily forms not before included in the Newsletter.

The forms included in this Newsletter for the first time are (1) Application for a place on the 1989 MSA Program and Call for Papers (2) Abstract Form and (3) Call for Nominations of officers. By mailing these forms with the Newsletter using our non-profit stamp, the Society will save considerable funds.

I sent my complete financial report for the Newsletter to Martha Powell in July and she incorporated it into her Treasurer’s Report printed in this volume. A copy of my summary (page 4 of deposits and expenses for the two accounts for publication of the MSA Newsletter) is published here.

Summary of deposits and expenses for two accounts for publication of the MSA Newsletter.

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total deposits from August 1, 1989 - July 31, 1988</td>
<td>$11,957.07</td>
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</tbody>
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Summary of Expenses:

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</thead>
<tbody>
<tr>
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<tr>
<td>Charges to account 45343</td>
<td>26.50</td>
</tr>
<tr>
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<tr>
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</tr>
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<td>Telephone calls</td>
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</table>

Total expenses for MSA Newsletter $ 7,770.13

Current balance in two accounts $ 4,186.94

Signature of MSA Newsletter Editor
Iris Charvat
July 31, 1988

On July 31, 1988 the current balance was high, $4,186.94, only because the two major bills for printing and mailing the June volume had not yet been received and hence paid.
The Departments at the University of Minnesota have been most helpful in assisting with the publication of the Newsletter. I agreed to be the Editor of the Newsletter if my Department would handle the bookkeeping for the largest account that covers the expenses except some secretarial help and artists supplies. I am grateful to Anne Caton who does this account and also to Ellen Harnisch and Lori Nicol for ordering MSA supplies, answering my MSA calls and for numerous other things. They are a pleasure to work with. The Addressing and Mailing Department has been most helpful in verifying our non-profit status and mailing the Newsletter from their office. I have also used the University of Minnesota Printing and Duplication Services because their bid was the lowest of the four I obtained in June, 1987. The also provide free paste-up sheets and lots of helpful advice.

In order to get this Newsletter out on two months earlier I have had the very capable help of Stephanie Marshik and Michele Watrin.

Respectfully submitted,

Iris Charvat
Newsletter Editor

Additions to the Newsletter:

1. Announcement of the 1989 meeting and CALL FOR PAPERS.

2. APPLICATION for a place on the 1989 Program (yellow sheet inserted in center, deadline, February 1).

3. ABSTRACT FORM (white sheet inserted in center, printed in non-photo ink, deadline, February 1).

4. CALL FOR NOMINATIONS OF OFFICERS 1989 (yellow sheet inserted in deadline, January 15).

Program Committee Report for 1988

The 1988 Mycological Society of America Annual Meeting being held in conjunction with the 39th AIBS Annual Meeting at The University of California, Davis appears to represent one of our larger meetings in recent years. The meeting has three workshops and 21 sessions involving 8 symposia, one round table, 9 contributed oral sessions, and 3 poster sessions. The total number of contributions as indicated by abstract submissions in 182. Of these, 27
contributed oral papers and 16 poster papers were submitted to be judged for student prizes. Abstracts of all the contributions are reproduced in the June 1988, MSA Newsletter.

The symposia topics of our 1988 meeting were suggested by program committee members, society members and by the Chair. The Chair formally thanks the Program Committee members, Sandra Anagnostakis, John Taylor and George Carroll, for their help with organizing symposia and for their encouragement and suggestions during the past year. The Chair would also like to thank the various symposia and sessions chairs for help in organizing sessions, Martha Powell, Iris Charvat and Meredith Blackwell for their guidance concerning finances, information dissemination and other matters, and Ken Wells for his critical attention to the details associated with all the local arrangements at the Davis campus. The help provided by these particular individuals and by the personnel of AIBS have allowed the organization and planning for the meeting to progress surprisingly smoothly.

Initial organization of the 1988 meeting began in earnest during the 1987 Joint MSA/CPS Meeting at Carleton University in Ottawa. At that time the Program Committee met with the local Chairperson from Davis, Ken Wells, to discuss in a preliminary fashion the UC Davis facilities and the general structure of the meeting. It was agreed that the Davis campus would be able to accommodate our needs without many problems. Also it was agreed that the Program Committee members would be encouraged by the Chair to help organize symposia representatives of their individual mycological interests. From the Chair’s point of view this worked very well, with each committee member organizing at least one symposium.

Subsequent decisions about the general format of the meetings were made primarily by the Chair. The intent was to have as few concurrent sessions as possible, which dictated evening sessions and two Thursday afternoon sessions. The Chair suggests that the membership be polled about the advisability of evening sessions and Thursday afternoon sessions at future meetings. It was also the Chair’s decision to have more than the usual number of symposia in hopes that there would be something for most everyone each day. The Chair’s goal was to provide a varied program which could facilitate good participation by as many fungal biologists as possible.

In general, the delegation of the responsibilities for a number of the symposia to program committee members, greatly eased the Chair’s workload. However, as proposed by the Chair in 1985 (see MSA December Newsletter, 36:8 and MSA Program Committee Report by Joe Ammirati), it still seems advisable to recommend again that the Program Committee be expanded by a least one member, so that each society "interest area" (Physiology-Biochemistry, Ecology-Pathology, Cytology-Genetics, Taxonomy-Morphology) is represented by a "junior" committee member. This would allow the most senior member to rotate to the Chair in such a way that he or she could be free from organizing (or being directly responsible for) a symposium concerned with his or her area of interest. This would "free" the Chair from any immediate symposium organizing responsibility and allow him or her to devote more attention to monitoring and coordinating in a less hectic fashion the details associated with overall program organization. Of course, the Program Chair would still retain final authority over approval or disapproval or any and all symposia, workshops or other session activities. The advantages of this system would be that (1) all
committee members could be directly involved in the program's content for the total duration of their appointment, (2) the program might be improved because of the better contacts, etc. by members representing their own "interest area", and (3) this approach would spread the responsibility of insuring that the content of each year's program is representative of all our Society members' interests, and not reflective mainly of the Chair's interests.

The Chair takes the opportunity to offer a number of other recommendations and suggestions to the society, which might help future Chairs with their efforts to organize the Annual Meeting. These can be listed as follows:

The Program Chair should be given a budget that could be used for providing funds for selected symposia speakers participating in our meeting. **The Society Officers should get guidelines on who would be eligible for such funds (e.g., nonsociety members only; junior members, etc.), the maximum amount that could be provided to any individual, and the total amount available to the Chair for any given meeting.** The availability of funds would greatly enhance the Chair's ability to attract a wider variety of fungal biologists to participate in our meeting. **The Chair suggests that this is his most important recommendation.**

The Secretary, Treasurer, and Newsletter Editor, working with other Society officers and members, should devise a methodology for coordinated mailings of Annual Meeting's materials. **This should save money and eliminate the need for the Program Chair to attempt to procure proper bulk mailing permits.** Alternatively, the Society should routinely supply to Chairs the exact documentation required by the U.S. Postal Service for such permits. **This was a particular problem for the current Chair whose Department and University were not willing or legally able to facilitate such mailings for a Society.**

3. Future Chairs should be encouraged to contact all nonmember participants in our meeting and to encourage them to join our Society. This was done to a limited extent this year and with some success.

4. The Program Chair routinely should be provided with the most up-to-date membership information. This problem should not be as acute in the near future because of the recent publication of our Society's new Directory.

5. A more perfect guidelines and deadlines manual should be prepared to help the Chair keep up with all expected tasks. **It is the Chair's understanding that such a set of instructions is being put together for the Society's Manual of Operations. The Chair will try to provide an updated set of deadlines and guidelines for this effort and for next year's Chair.**

6. The Society should continue the practice of contacting our International membership through the Newsletter about their interest in receiving further information about our annual meeting. This worked well, although such mailings are expensive. **Possibly mailings to non-members and foreign authors (registration materials, notices of date and times of presentations and invitations for membership) could be consolidated for efficiency and cost savings.**
Finally, I would like to thank the membership for allowing me to serve the Society as Program Chairperson. It has been a busy, but rewarding, experience and I thank you for making my job much easier than I thought it would be.

Respectfully submitted,

Paul J. Szaniszlo
Program Chairperson

THE MYCOLOGICAL SOCIETY OF AMERICA
Application for Membership

NAME: ___________________________ AREA OF INTEREST (check one)

Mailing Address:

_______________________________

_______________________________

_______________________________

___ Taxonomy-Morphology

___ Ecology-Pathology

___ Physiology-Biochemistry

___ Cytology-Genetics

ZIP Code: _______________

Telephone (include area code): _______________________

Date on which you wish your membership to begin: January 1, 19___

Signature of member endorsing your application:________________________

DUES INFORMATION (check one) ___ Associate Member....$15.00

(InNewsletter only)

___ Regular Member....$35.00

(Includes MYCOLOGIA and Newsletter)

___ Emeritus Member with

MYCOLOGIA....$15.00

___ Student Member....$15.00

(Maximum eligibility-5 years)

___ Affiliated Society....$35.00

Complete form and dues are to be sent to Dr. Martha Powell, Treasurer, Dept. of Botany, Miami University, Oxford, Ohio 45056. Phone: (513) 529-4200.
The 54th Annual Meeting will be held on the campus of the University of Toronto, Toronto, Canada, August 6-10, 1989, in conjunction with AIBS. Sandra Anagnostakis is chairperson of the MSA Program Committee, and David Malloch is the local representative.

**Registration and Reservations:** Forms for AIBS registration and campus housing will be mailed by MSA to member after March 1. Reservation forms for the workshop, forays, breakfast, and social also will be included in this brochure.

**Papers:** Members wishing to present papers, whether orally or as a poster, should complete the "Application" and "abstract" forms, following the instructions provided. Abstracts will be copied directly (THE QUALITY IS UP TO YOU!) and printed in the April 1989 Newsletter. To be certain of a place on the program, mail applications and abstracts no later than February 1, 1989. If you want the receipt of your abstract acknowledged, enclose a stamped, self-addressed postcard. For oral presentations, slide projectors will be available for 2X2" slides only, unless special arrangements are requested. Instructions for posters will be supplied with the notice of date and time of presentation.

**Graduate Research Prizes:** Graduate Research Prizes will be awarded to the graduate students or recent Ph.D.s (within the past year) who give the mycological papers judged most outstanding in the content and manner of presentation. Four prizes are available: two for oral papers and two for posters. An applicant may compete for either an oral paper or a poster prize. Previous recipients are not eligible for a second award.

**MSA Forays:** Two premeeting forays are planned: to the Bruce Peninsula Area (Saturday, August 5) and the Whitchurch Conservation Area (Sunday, August 6).

**Workshop:** One premeeting workshop is planned for Saturday, August 5. The workshop will be Taxonomy and Identification of Coelomycetes, organized by Mary E. Palm and John Bissett. A special lecture may be planned on this subject for Saturday evening, open to workshop participants and nonparticipants.

Reservations for the Workshop and Forays can be made when preregistering for the meetings. The AIBS descriptive brochure with preregistration form is scheduled to be sent to MSA members sometime after March 1, 1989. Mail reservations to David Malloch, Department of Botany, University of Toronto, Toronto, ON M5S 1A1, Canada. Space is limited and reservations will be made on a first-come, first-served basis.

**MSA Breakfast and Social:** A breakfast will precede the Wednesday, August 9, MSA business meeting and the Presidential Address by Dr. Harold Burdsall. Our Awards presentation and Social will be held on Wednesday evening. Reservation forms for the breakfast and social also will be included in the AIBS brochure.

**MSA Auction:** The annual MSA Auction to raise money for our Endowment Fund will be held on Wednesday evening at the social. Volunteers with professional auctioneering skills are needed to help with this event. Please send items for auction to Wendy Untereiner, Department of Botany, University of Toronto, Toronto, ON M5S 1A1, Canada. Items should be sent by Post (NOT BY UPS) and valued at $10 to $38 on the customs slip.
PROGRAM FOR THE MSA MEETING, AUGUST 5-10, 1989, TORONTO

SATURDAY
Foray - Bruce Peninsula Area, all day
Workshop - Identification of Coelomycetes, all day, at UT laboratory space
Lecture - Identification of Coelomycetes, evening

SUNDAY
MSA council meeting - all day
Foray - Whitchurch Conservation Area, all day

Monday
6:30 - 8:00 Breakfast on campus
8:00 - 12:00 Symposium - Germination of Spore, Iris Charvat
12:00 - 1:00 Lunch on campus
1:30 - 4:30 Contributed papers
5:00 - 6:30 Dinner on campus
7:00 - 10:00 Symposium - Molecular Biology of Fungal Development, Julie Silver

Tuesday
6:30 - 8:00 Breakfast on campus
8:00 - Poster space ready, posters installed
8:00 - 12:00 Symposium - Teaching Mycology in the 1990’s, Charles Mims
12:00 - 1:00 Lunch on campus
1:30 - 3:30 Contributed papers
3:30 - 5:00 Posters exhibited and attended (refreshments?)
5:00 - 6:30 Dinner on campus
7:00 - 10:00 Symposium - Cladistics in Mycology, Greg Mueller and C. B. Wolfe

Wednesday
8:00 - 10:00 MSA Breakfast and Business Meeting
10:00 - 11:30 Presidential address, Harold Burdsall
12:00 - 1:00 Lunch on campus
1:30 - 2:30 Annual Lecture, Kuyng J. Kwon-Chung
3:00 - 5:00 Contributed papers
5:00 - 6:30 Dinner on campus
6:30 MSA Social, Awards Presentation, and Auction

Thursday
6:30 - 8:00 Breakfast on campus
8:00 - 12:00 Symposium - Medical Mycology Subject, Michael Dykstra
12:00 - 1:00 Lunch on campus
1:30 - 5:00 Contributed papers
**MSA AWARDS - 1988**

**DISTINGUISHED MYCOLOGIST AWARD**
D. B. O. SAVILLE, Biosystematics Research Institute, Ottawa

DOUGLAS BARTON OSBORNE SAVILLE began his scientific career in 1932 when, as an undergraduate in the faculty of agriculture, he was hired by the Canadian Department of Agriculture to assist plant pathologists in controlling an outbreak of fire blight in Quebec. Even at that early age, he had already developed scientific interests that ranged beyond agriculture and plant pathology to microscopy, optics and what was to become a life-long passion for meteorology. He obtained his B.Sc. in Agriculture at MacDonald College and his M.Sc. at McGill University before moving to the University of Michigan to complete his Ph.D. under Professor E. B. Mains in 1939. After a term in the Royal Canadian Air Force, where he became fascinated with the problems of flight which led to another life-long passion, bird-watching, he returned to the Department of Agriculture at Ottawa. The breadth of his interests and his keen sense of observation and correlation of natural phenomena provided solid foundations for seminal syntheses. His studies on arctic adaptations of plants are now pioneering classics of literature on arctic biology. He has been prominent and influential in the fields of evolutionary biology of basidiomycetes, chiefly the rust fungi, and of the ecological, biogeographical and taxonomic implications of their co-evolution with host plants, long before the term "co-evolution" entered biological terminology. His erudite and literate discourses on fungal evolution have had a profound influence on current mycological thought. The broad spectrum of his contributions has been acknowledged by his election to the Royal Society of Canada in 1966, by receiving the Lawson Medal of the Canadian Botanical Association in 1976, and a D.Sc. honoris causa from his alma mater, McGill University in 1978.

It is a distinct pleasure to present the Distinguished Mycologist Award for 1988 to a man who has been a member of the Mycological Society of America since 1938 and who has done so much to advance the cause of mycology.

**ALEXOPoulos PRIZE:**
SCOTT REDHEAD, Biosystematics Research Institute, Ottawa

SCOTT REDHEAD began his mycological studies under the tutelage of Professor R. J. Bandoni while he was still an undergraduate at the University of British Columbia. After receiving his B.Sc. and M.Sc. at the institution he went on to the University of Toronto to study under Professor David Malloch for his doctoral degree. By that time, he had already published several papers on a variety of fungi and had established himself as a progressive thinker strong in the fundamentals of his area. In less than a decade at the Biosystematics Research Institute in Ottawa he has published in excess of eighty papers that have dealt with a large variety of fungi and have been very broad in scope. His publications have covered fungal systematics, phylogeny, parasitism and plant pathology, mycogeography and fungal ecology. He has published with a large number of researchers and is recognized both nationally and internationally as an outstanding worker who has shown originally in his work and has added new ideas and concepts to the area of fungal systematics.

It is a pleasure to award the Alexopoulos Prize to one who has done so much so soon for mycological studies.
CHARLES W. MIMS received his undergraduate education from Mc Neese State University in Louisiana and proceeded on to graduate school at the University of Texas at Austin where he was a student of C.J. Alexopoulos, and from which he received his doctorate in 1969. He took his first teaching position at Stephen F. Austin State University in Nacogdoches, Texas immediately thereafter where he established a reputation as an excellent teacher, a productive researcher and a valuable and highly regarded faculty member. He rapidly progressed through the ranks to Professor and Chair of the Biology Department, a position which he held until 1986. At that time he accepted the position of Professor of Plant Pathology at the University of Georgia, replacing another prominent mycologist, E. S. Luttrell upon his retirement, and where he assumed responsibility for Introductory Mycology. Dr. Mims also has been a valuable and active member of MSA, helping to organize, and serving as the Chair of the Committee on Teaching, functioning as the Chair of the Committee on Research Grants and Publications, and serving the society in a variety of other capacities not the least of which is its current Vice President. He also has been active in the Texas Society for Electron Microscopy in which he holds Honorary Membership, and serving as its President from 1983-1985. He has been recognized for his research activities as the recipient of the Alexopoulos Research Prize by the MSA in 1979. While his numerous achievements and presentations have established him as a force in the fields of mycology, plant pathology and electron microscopy, he probably is best known to the mycological world at large as the co-author (along with his mentor, C. J. Alexopoulos) of the extremely popular textbook, Introductory Mycology. Through this source, he undoubtedly has influenced the education of many students and colleagues who have had the pleasure of working closely with him, praise his skills and talents as a teacher. Of the numerous activities in which he has so successfully engaged, his excellence in teaching mycology is the one for which he is currently recognized. Students consistently refer to the energy which he brings to his classes, combined with a fine sense of humor. He is recognized for his well organized presentations and maintaining a delicate balance between creating a challenge, maintaining interest, a relaxed atmosphere and developing a confidence in students that they can handle the subject matter. His copious use of living materials in laboratory instruction is praised widely. While he brings a superb competence in mycology to the profession, a major reason for his great success in teaching is his genuine and sincere concern for students. He cares not only about their comprehension of mycology but that they fully develop their intellectual potential in general. His assistance outside of formal class time is deeply appreciated by all of his students. His enthusiasm for, and knowledge of, fungi combined with his genuine concern for students makes him, as one colleague has stated, a "highly infections" teacher of mycology. For all of these special talents he is recognized as the 1988 recipient of the William H. Weston Award for excellence in teaching mycology.

MSA GRADUATE FELLOWSHIP WINNERS OF 1988

LISA KAY MUEHLSTEIN
- b. September 13, 1959
- 1981, B.A. in Psychology, University of Colorado
- 1985, M.S. in Biology, Wright State University
- Ph.D. work with Dr. David Porter at the University of Georgia
SYNOPSIS OF WORK: Her doctoral dissertation is focused on wasting disease of eelgrass, *Zostera marina*, caused by a pathogenic species of *Labyrinthula*, a marine slime mold. She is investigating 1) aspects of the host-pathogen interaction, 2) the role of *Labyrinthula* in the decline of eelgrass in field populations, and 3) the relationship of environmental variables to the disease.

She is tackling an extensive and very difficult project with a background and potential that predicts the successful elucidation of a long-standing and complex problem.

**PAULA T. DEPRIEST**
- b. October 5, 1957
- 1978, B.S. in Biology, Union University, Jackson, Tennessee
- 1983, M.S. in Botany, University of Tennessee
- Ph.D. work with Dr. W. L. L. Culberson at Duke University

SYNOPSIS OF WORK: When some chemotypes of the lichen-forming ascomycete *Cladonia chlorophaeae* complex grow intimately intermixed in nature, their sporeling progeny includes individuals that do not match the chemotype of the maternal parent, but do match that of a different but nearby chemotype. *In this study, she will re-examine these chemotypes and their hybrids using restriction fragment length polymorphisms in ribosomal genes and randomly cloned DAN fragments as genetic markers. Detection of gene flow within and between these chemotypes will clarify the limits of reproductive isolation and the level of genetic variation in natural populations.*

Her broad training in lichenology, mycology and molecular biology brings vibrant new approaches to problems of great intellectual and technical difficulty.

**BEST GRADUATE RESEARCH PRIZE FOR ORAL PRESENTATION (2)**
1. CHRISTINE M. GRUHN: "Effect of copper on ectomycorrhizal fungi." Department of Biology, Virginia Polytechnic Institute, Blacksburg, VA.
2. LARRY P. LEHNEN: "Cytochemical localization of phenol oxidase in secondary zoospores of *Saprolegnia ferax*." Department of Botany, Miami University, Oxford Ohio.

**BEST GRADUATE RESEARCH PRIZE FOR POSTER PRESENTATION (1)**
PAULA DEPRIEST: "Analyzing genetic variation between single spore isolates of lichen-forming Ascomycotina using molecular-genetic marker." Department of Botany, Duke University, Durham, NC.
CALL FOR NOMINATIONS FOR MSA AWARDS
DEADLINE FOR ALL AWARDS - 15 MARCH 1989

DISTINGUISHED MYCOLOGIST AWARD
ALEXOPOULOS PRIZE

GRADUATE FELLOWSHIPS
(Administered by the Committee on Awards, Dr. Ian K. Ross, Chair, Department of Biological Sciences, University of California, Santa Barbara, CA 93106. (805) 961-2671).

and the

WM. H. WESTON AWARD FOR TEACHING EXCELLENCE
(Administered by the Teaching Committee, Dr. Michael Tansey, Department of Biology, Jordan Hall 142, Indiana University, Bloomington, IN 47405. (812) 855-2914).

All guidelines for annual awards as well as former awardees have been included in our new Directory, 1988, pp. 5-8. These instructions have not been reprinted in this Newsletter. All inquiries and materials should be forwarded to either Ian Ross or Michael Tansey.

NOMINATIONS FOR AWARDS

1989 OBERLY AWARD NOMINATIONS

Nominations are sought for the 1989 Oberly Award for bibliographic excellence in the agricultural or related sciences. To be eligible, a bibliography must have been published in 1987 or 1988, and at least one author, editor or compiler must be a U.S. citizen. Bibliographies will be judged on usefulness, scope, accuracy, format, explanatory features and indexing methods. The award is administered by the Science and Technology Section of the Association of College and Research Libraries Division of the American Library Association. It will be presented at the 1989 annual meeting of the American Library Association in Dallas, Texas. Nominations in the form of a letter, including if possible a copy of the bibliography, should be sent by January 1, 1989 to: Carolyn L. Warmann, Chair, Oberly Award Committee, Reference Department, Carol Newman Library, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061.

The award consists of a small cash prize and professional recognition. Past winners have included:


THE MYCOLOGICAL SOCIETY OF AMERICA
FOUNDED DECEMBER, 1931

GRADUATE FELLOWSHIP APPLICATION FORM

(All information must be submitted in typewritten form)

Name of candidate:

Degrees held, including institutions and dates:

Date of birth: Place of birth:

Present address:

Permanent address:

Proposed place of study:

Director(s) of proposed project:

Concise statement of project:

Previous work and training in the field to which your project relates:
**Publications:** List giving complete citations. Attach separate page if necessary.

**Positions held:** List chronologically to present.

<table>
<thead>
<tr>
<th>Institution of Organization</th>
<th>Title or Position</th>
<th>Dates of Tenure</th>
</tr>
</thead>
</table>

**Plan for study:** Attach separate statement according to instructions.

**References:** Arrange to have recommendations sent to each Awards Committee member by two individuals you have chosen.

<table>
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<tr>
<th>Name</th>
<th>Position</th>
<th>Address</th>
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</table>

**Signed:**

**Date:**
GENERAL ANNOUNCEMENTS

AMERICAN AIRLINES has been selected as the official carrier for the Mycological Society of America meeting in Toronto in August 1989. American Airline staff will handle reservations at the telephone number listed below. **There are savings** on fares by using this service and you will also be helping the Society earn free tickets for the use of the Society. **These tickets may be used to support annual lecturers or other Society related travel.** When making reservations use the number below or your travel agent but always mention the STAR FILE number listed below. **Call 1-800-433-1790 (7 AM to midnight Central time). Use the STAR FILE number S-83768.**

ANNUAL REVIEWS, INC. publishes the Annual Review of Phytopathology, Annual Review of Microbiology and 25 other Annual Reviews. By ordering any of these Reviews through the Mycological Society of America, members will receive a 15% discount. In addition, the Society will receive 15% of the purchase price. Anyone interested in ordering any of the ARI volumes is encouraged to do so. This is not a one time offer, but will be continued in the foreseeable future. If interested in seeing a prospectus of the available ARI reviews, request it from: ARI - Attn. M. B. Hamilton; 4139 El Camino Way; Palo Alto, CA 94306. **ORDER the volumes by sending the order and purchase price minus 15% to Donald Pfister, Harvard Herbaria, 20 Divinity Avenue, Harvard University, Cambridge, MA 02138.**

BIOSIS: is offering a free demonstration disk for the Biosis Connection, a new online end-user system serving the information and research needs of the life science community. **This system currently offers six online data bases** including BioExpress, BioMeetings and BioBooks. Databases under development include Aids, Biotheses and Jobline. For more information or to obtain a free demonstration disk contact: Biosis, Education and Training Group, 2100 Arch Street, Philadelphia, PA 19103-1399. Phone: (215) 587-4800.

Directory: The 1988 MSA DIRECTORY lists the past officers, Corresponding Members, award winners, prize nomination guidelines, MSA By-Laws, and membership directory. **so this information will not be reprinted in the MSA Newsletter.**

Foray lists are needed for completion of the Foray reports for the Florida, 1985, the Massachusetts, 1986, and more recent Forays. Any length of list is acceptable from one species to 100 or more. Please submit lists to Wm. Bridge Cooke, 1135 Wilshire Ct., Cincinnati, Ohio 45230.

International Commission on the Taxonomy of Fungi: The **International Commission on the Taxonomy of Fungi (ICTF)** was established in 1982 as a Commission of the Mycology Division of the International Union of Microbiological Societies (IUMS). The Commission's primary aim is to improve, and to promote improvement in, any or all aspects of fungal systematics. **The Commission further aims to extend understanding of fungal systematics in the scientific community, by publishing its findings, and by sponsoring meetings, workshops and sessions dealing with aspects of its work.** Particular emphasis is given to keeping scientists in applied fields aware of recent advances and changes in taxonomic mycology.

Current members are Chairman D. L. Hawksworth (U.K.), Secretary J. I. Pitt (Australia), O. Constantinescu (Sweden), J. Ginns (Canada), S. C. Jong (U.S.A.), D. W. R. Mackenzie (U.K.), M. R. McGinnis (U.S.A.), A. Y. Rossman (U.S.A.), R.A. Samson (Netherlands), Lynne Sigler (Canada) and Shun-ichi Udagawa (Japan).
Several articles reflecting the philosophy and work of the Commission are:


J. Ginns, Biosystematics Research Center, Ottawa and Amy Rossman, Systematic Botany Institute, Beltsville

International Society for Mushroom Science Agaricus bisporus or Agaricus brunnescens: The name Agaricus bisporus has been generally used in scientific literature and in the horticultural press dealing with mushroom cultivation for many years, and has been widely accepted.

In 1976 Malloch drew attention to an earlier description of a species, Agaricus brunnescens, and suggested that as the correct name for the cultivated mushroom.

At the International Symposium on Scientific and Technical Aspects of Cultivating Edible Fungi, held at Pennsylvania State University in July 1986, R. W. Kerrigan presented a paper "What's in a name? The Chaetaceous Case of the Chaste Champignon" in which he reviewed the evidence for the use of these two names.

There was considerable discussion, and the Symposium Chairman, Professor Paul J. Wuest, recommended to the International Society for Mushroom Science that their 12th International Congress on the Science and Cultivation of Edible Fungi, to be held at Braunschweig, B.R.D., in September 1987 should include in the Congress programme an open discussion on this subject, with a view to arriving at an agreed recommendation of the name to be used.

A session on that subject was therefore arranged and held on 24th September, with Dr. R. L. Edwards, Director of ISMS, as Chairman.

There was a lively discussion to which some leading taxonomists and genetists and some members of the mushroom growing industry contributed. After a full expression of opinions and review of evidence, precedents and practice, the following Resolution was proposed by Professor Paul J. Wuest, seconded by Dr. R. Harris and carried by 23 votes to none:

"THE INTERNATIONAL SOCIETY FOR MUSHROOM SCIENCE SHOULD ADOPT AS THE APPROPRIATE NAMES OF THE CULTIVATED TWO-SPORED MUSHROOM - AGARICUS BISPORUS".

R. L. Edwards, Chairman
Revision of the International Mycological Directory (IMD): Revision of the directory IMD gives information about the organization of mycology worldwide and is an invaluable source of reference for anyone concerned with mycology, whether in a professional or an amateur basis. The first edition of the IMD, produced in 1971, is now badly out of date, and is currently being revised at the request of the International Mycological Association (IMA) and the International Union of Microbiological Societies (IUMS) who are contributing to the cost of the revision. Some 200 questionnaires have now been posted to mycological organizations, but inevitably some may have been inadvertently overlooked. If you, or your organization has not received a questionnaire, but feel you should be included in the IMD, please write to me for one. It is stressed that it is a mycological directory, and so societies concerned with plant pathology, microbiology, botany etc., will not be included unless they have a substantial mycological component. All contributors will receive a proof of their entry for examination and one free copy of the Directory, which is intended to be distributed at the 4th International Mycological Congress in Regensburg, West Germany in 1990.

In connection with compilation, I would be particularly pleased to receive any information on mycological organizations in the following continents:

Asia: Iraq, Iran, Bangladesh, Thailand, Turkey, Malaysia, Indonesia, Philippines, Burma, Sri Lanka;
Europe: Austria, Bulgaria, Greece, Israel, Eire, Portugal, Rumania, Yugoslavia;
Australasia: Australia, New Zealand;
Africa: all countries (except South Africa), especially Algeria, Morocco, Tunisia, Egypt, Libya, Saudi Arabia, Nigeria, Ghana, Kenya, Tanzania, Uganda;
North America: Canada;
South America: Colombia, Venezuela, Peru, Uruguay, Ecuador, Paraguay, Bolivia, Jamaica.

In addition, information on organizations having specialisms in entomopathogenic and mycorrhizal fungi, and yeasts would be gratefully received.

Questionnaires may be obtained by writing to:
Dr. Geoffrey Hall, CAB International Mycological Institute, Ferry Lane, Kew, Surrey TW9 3AF, UK.

The U.S. National Fungus Collections is currently installing compactors for all the collections and the J.A. Stevenson Reference Room. Amy Rossman notes that most specimens will be inaccessible until early December, 1988 but everyone is welcome to inspect the new system in 1989!

MSA Placement Service will now be headed by Dr. Robert Pohlad. He will be working with Dr. Melvin Fuller to update and to assume the responsibilities of the Service. For employer/employee forms, please see the June, 1988 (Vol.39, No.1) issue of the Newsletter. His address this year will be: Dept. of Plant Pathology; University of Georgia; Athens, GA 30602.
CALENDAR OF MEETINGS, FORAYS, COURSES AND WORKSHOPS

October 1988


November 1988


April 1989


We will visit and foray in the Berenty Reserve in the south, famous for the ring-tailed lemur and the spiny desert of incredible octopus trees; the evergreen rain forest of the Perinet, the major locale of the unique Madagascar mushroom flora; and Diego Suarez in the north, with the nearby upland forest, the habitat of fossa, Madagascar’s prehistoric and largest carnivore. In Antananarivo, the capital, we will tour the country’s most colorful produce and handicraft market.

We will meet with several of Madagascar’s outstanding naturalists. Ample time will be provided for sightseeing and other leisure activities.

For further information, contact: Fungophile
PO Box 5503
Denver, CO 80217-5503
Tel: 303-296-9359

May 1989

8-12 Florida Advanced Electron Microscopy Short Course: This intensive short course is aimed at the biologist who has some experience with transmission electron microscope techniques and who wishes to acquire new skills in developing areas within the field. It is not designed for the neophyte. No attempt will be made to teach basic fixation and sectioning skills. Subject matter will include propane jet freezing, freeze-fracture, freeze-substitution, Lowicryl and other new embedding
techniques, immunogold labelling, stereo microscopy, serial section reconstruction, and X-ray microanalysis. Hands-on participation is stressed. Participants are encouraged to bring their own material for fixation, processing, and/or sectioning. Equipment available includes Balzers freeze-fracture; JEOL, Philips, and Hitachi TEM's; LKB and Sorvall microtomes; and microcomputers. For application forms and/or further information, contact either Greg Erdos (904-392-1295) or Henry Aldrich (903-392-1096) or write 1059 McCarty Hall, University of Florida, Gainesville, FL 32611.

June 1989

Joint Canadian and Panamerican Symposium on Aerobiology & Health at Ottawa, Ontario, Canada. Sponsored by: Health and Welfare Canada and University of Montreal. For further information and for the first circular of the Symposium along with the preliminary scientific programme contact: Dr. H.M. Vijay, Drug Toxicology Division, Health Protection Branch, Sir F.G. Banting Building, Ross Avenue, Tunney's Pasture, Ottawa, Ontario K1A 0L2, Canada. Tel: (613) 957-0962.

July 1989

Course: FIELD MYCOLOGY in the Adirondack Park. A two week course on the biology and taxonomy of the fleshy fungi. Last two weeks in July, 1989. Contact: Timothy J. Baroni, Department of Biological Sciences, PO Box 2000, SUNY - Cortland, Cortland, NY 13045. Phone: (607) 753-2725.

August 1989

WORKSHOP ON TAXONOMY AND IDENTIFICATION OF COELOMYCETES. A full-day workshop on the taxonomy and identification of Coelomycetes will be offered on Saturday, 5 August 1989, prior to the 1989 MSA meetings in Toronto, Ontario, Canada. The workshop, being co-organized by Mary E. Palm and John Bissett, will provide a hands-on approach to the identification of a number of selected genera and generic-complexes within this group of fungi. Specialists will be participating to treat genera such as the Pestalotiopsis-group, Phoma, Phomopsis, and Fusicoccum/Dothiorella. In addition to Drs. Nag Raj, Uecker, Bissett, Samuels, and Morgan-Jones, Dr. B. Sutton has been invited to participate.

MSA meeting at the University of Toronto, Ontario, Canada. Program Chair, Sandra Anagnostakis.

Annual meeting: Society for Industrial Microbiology, Seattle Washington.
**November 1989**

6-10 ISMS-JSTEC International Symposium on Mushroom Biotechnology, Jiangsu Province People's Republic of China. **Jiangsu Province Science and Technology Centre with Foreign Countries (JSTEC)** in cooperation with the International Society of Mushroom Science (ISMS). The registration fee will be approximately $250 for full members, $150 for students and accompanying persons, which includes admissions, reception, refreshments, conference materials. Information: Associate Prof. N. X. Bu, Secretary ISMS Symposium on Mushroom Biotechnology, Jiangsu Province Science & Technology, Exchange Centre with Foreign Countries, 39 East Beijing Road, Nanjing, China.

**August 1990**

28 - Sept 3 Fourth International Mycological Congress. Under the auspices of the International Mycological Association, Sponsored by the Deutsche Forschungsgemeinschaft: President, J. Poelt, Graz; Vice Presidents, H. Kreisel, Greifswald; M. Moser, Innsbruck; E. Muller, Zurich; Secretary General: A. Bresinsky, Regensburg, Members of the Organizing Committee: J. Poelt, H. Kreisel, M. Mosre, E. Muleer, A. Bresinsky, P. Blanz, Treasurer, F. Oberwinkler, Chairman of the Programme Committee; H. P. Molitoris, Chairman of the Local Organizing Committee; J. Webster, International Mycological Association; H. O. Schwantes, Section Mycology in the German Botanical Society, O. Mergenthaler, Regensburgische Botanische Gesellschaft.

General Information: **The Fourth International Mycological Congress will be held from 28th August (Tuesday) to 3rd September (Monday), 1990 at the University of Regensburg.** The aim of the Congress is to provide opportunities for discussion of all branches of mycology. Membership: Full membership of the Congress is open to any person interested in fungi including lichens. Language: The working language at the Congress will be English. No translation service will be provided. Abstracts must be submitted in English. Invitations: Members, who, for administrative reasons, wish to receive a personal invitation to attend the Congress should write to the Secretary General.

Preliminary Reply Form and Second Circular: The Second Circular will be distributed at the beginning of March 1989. **To ensure your inclusion on the mailing list for the Second Circular send in the First Circular. A copy can be obtained through the Secretary General.**

The Second Circular will be sent only to those who return the preliminary reply form. It will contain details of the programme including field trips and sightseeing tours, as well as forms for final registration. **Travel and Hotel Arrangements:** The Regensburg Travel Bureau and Lufthansa have been appointed respectively official travel agent and official carrier for the Congress. **They will assist the participants with making reservations and for travel arrangements.** **The Scientific Programme:** The Congress will include general lectures,
symposia, poster demonstrations and films. The scientific programme has been subdivided into 7 sections (Organizers in brackets):

A  Systematics and Evolution (F. Oberwinkler)
B  Morphology and Ultrastructure (R. Agerer)
C  Ecology (J. Webster)
D  Genetics and Physiology (U. Stahl)
E  Biotechnology and Applied Mycology (P. Prave)
F  Pathology (J. Schwinn)
G  General Topics (B. Hock)

General Lectures and Symposia: General Lecturers and Symposium speakers will be specially invited by the Organizing Committee (Organizers: J. Poelt; M. Moser; J. Webster). Offered Papers: Offers of papers are welcomed (15 or 30 minutes duration including discussion). The Programme Committee will decide whether to accept them for inclusion in the main symposia, or for presentation as posters or as abstracts. A call for submission of abstract of all contributions will be included in the Second Circular, which will contain detailed instructions on format and layout. Excursions: In the period from 20th to 27th August and from 4th to 11th September, Excursions will be offered. All correspondence or inquiries should be addressed to: Prof. Dr. Andreas Bresinsky, Botanisches Institut der Universität, D-8400 Regensburg, Federal Republic of Germany (f.R.G.) Telephone: (0941) 9 43 31 08, Telex: 6 5658 unire d

MYCOLOGICAL SERVICES AVAILABLE

GENERAL

JOHN W. RIPPON will do identifications of dermatophytes, pathogenic and opportunistic human disease causing fungi.

JIM TRAPPE will identify hypogeous Ascomycotina, Basidiomycotina and Zygomycotina.

BASIDIOMYCETES

DANA L. RICHTER has specimens and cultures of Scleroderma spp. (Gasteromycetes) available for research and exchange.

DEUTEROMYCETES

KEITH A. SEIFERT will identify synnematous hyphomycetes.

MYXOMYCETES

HAROLD W. KELLER will identify Myxomycetes especially corticolous species from living tress and vines.
FUNGI WANTED

GENERAL

Trappe, Jim: Specimens of hypogeous, Ascomycotina, Basidiomycotina and Zygomycotina.

ASCOMYCETES

Reynolds, Don: Pycnidial sooty molds, pure culture isolates.

NEW BOOKS BY MSA MEMBERS

The following announcements were received in responds to the MSA Newsletter questionnaire:


Largent, D. L. and Raroni, T. J. HOW TO IDENTIFY MUSHROOMS TO GENUS VI: THE MODERN GENERA - KEYS AND DESCRIPTIONS.


Rippon, John W. MEDICAL MYCOLOGY THE PATHOGEN'S FUNGI AND THE PATHOGENIC ACTINOMYCETES. 3rd Ed. W. B. Saunders, 797pp. 600 gruesome illustrations. ~$79.00.

PUBLICATIONS NEEDED


Steven L. Miller: A. H. R. BULLER'S RESEARCHES ON FUNGI COMPLETE SET.

Dana Richter would appreciate reprints and literature references pertaining to Scleroderma spp. (Gasteromycetes).
BENEKE, E. S. and A. L. ROGERS: Part I. Diseases and Organisms of Importance in Medical Mycology. This self-study set of six units with 420 high quality 35 mm color slides on fungal diseases is a really effective way for students to study and review. These sets are also useful in inservice training sessions and other continuing education programs. Each units includes 35 mm color slides, audio tape cassettes and script. These units include superficial mycoses, dermatophytoses, and systemic mycoses. Each fungal disease is illustrated by characteristic symptoms, tissue appearance, and cultural and microscopic morphology of the various fungi.

The six units consist of the following: (1) contaminants that may be importance causes of allergies, or as invasive pathogens in debilitated conditions; (2) superficial mycoses and dermatophytoses of the skin, nail and hair; (3) the various dermatophytes, the causative agents of the fungal skin diseases; (4) symptoms and culture characteristics organisms causing subcutaneous mycoses and actinomycotic diseases; (5) the symptoms and cultural characteristics of the systemic mycoses; (6) and the opportunistic mycoses that occur in debilitated hosts.

Unit #1: Contaminants: 62 slides, audio, script $70.00
Unit #2: Superficial Mycoses and Dermatophytoses: 77 slides, audio, script $80.00
Unit #3: Dermatophytes: 81 slides, audio, script $85.00
Unit #4: Subcutaneous Mycoses and Actinomycotic Diseases: 81 slides, audio, script $85.00
Unit #5: Systemic or Deep Mycoses: 49 slides, audio, script $55.00
Unit #6: Opportunistic Mycoses: 70 slides, audio, script $75.00

PREVIEWS: Due to financial considerations, the preview fee is $10.00 per program. For previews of three or more programs, the fee is $5.00 per program plus $10.00 postage. The preview period is for five days.

PURCHASE/ALL MATERIALS: Please send an official purchase order acknowledging the purchase price plus shipping and handling which will be prepaid and added to your invoice.

Contact: Instructional Media Center, Marketing Division, Michigan State University, East Lansing, MI 48824. Phone: (517) 353-9229.

ELLIS, DAVID H: Dr. David H. Ellis has completed a collection of 540 35mm color teaching slides on medical mycology as a memorial to the late Geraldine Kaminski OAM, a very well known and respected Australian medical mycologist. The aim of this collection is to provide a set of teaching slides showing the clinical and mycological features of the pathogenic fungi likely to be encountered in Australasia, South East Asia and Oceania. Although several fungi such as Microsporum audouinii, Microsporum ferrugineum, Trichophyton schoenleinii, Trichophyton soudanense and Coccidioides immitis are not endemic to the region, they are included in the collection because they have been isolated from immigrants or travellers from other regions. This collection entitled "Kaminski's teaching slides on medical mycology" will be marketed as a non-profit venture in memory of Gerry by the Adelaide Children's Hospital. Gerry worked at the ACH for 46 years and is the longest serving staff member on
record. Price (including postage & handling): Australia and New Zealand, A$425, Other countries, A$600. Make check payable to the Adelaide Children’s Hospital, to: Linda Stack, Coordinator, Educational Resource Centre, Adelaide Children’s Hospital, North Adelaide, SA 5006.

HIGGINS, MARION A.: will take any help or donations of books or software for IBM compatible Zenith 140 for word processing, graphics or help to computing beginners!

KENNETH, ROBERT: needs regional or country check-lists of downey mildews. He also has for sale or exchange, Trans. Brit. Mycol. Soc., unbound, with a few missing numbers, V. 44-69 (1961-75), best offer and shipping cost, or exchange for TBMS before V. 30, for Mycologia before V. 45 (1953).


LUBRECHT, HARRY: has the book by Dr. Funder requested in the MSA Newsletter (Vol. 37, No. 2, December 1986) by Dr. O. O. Adebowale. MSA has no address for Dr. Adebowale. Contact, Dr. Harry Lubrecht, Lubrecht and Cramer LTD, R.D. 1, Box 244, Forestburgh, NY 12777, USA.

RHOADES, FRED: ASKATAKA synoptic key driver plus keys to mushrooms, lichens, simple key to molds. $5 for IBM-PC compatible disk.


SEIFERT, KEITH A.: Mr. Jackson's Mushrooms by H.A.C. Jackson, originally sold for $35, is now remaindered. Unused copies are available for $6.95, plus $3.50/book for postage with Canada, or $5.00/book for postage to the US, from the Nature Canada Bookshop, 453 Sussex Drive, Ottawa, Ont. K1N 6Z4 CANADA.


Catalogue of the University of Alberta Microfungus Collection. 2nd Edition. 1986, 166 pp. Cost $10.00 + $2.00 for postage for North America and International surface mail, + $5.00 for international airmail. Payment in
advance not required and update will be included for all new orders.

The University of Alberta Microfungus Collection data bases may be searched on-line through the U. of A. Computing Systems operating system. Outside users must obtain an account. Documentation describing access is available from Lynne Sigler and entitled "Introduction to searching the UAMH SPIRES data bases." This mimeographed publication is free.


TANSEY, MICHAEL: Mycological Teaching Humor #1 and #2, free.


VINCENT, MICHAEL A.: Duplicate sets of the publications of Dr. Marion L. Lohman were given to Miami University herbarium shortly before Dr. Lohman's death. Complete and partial sets are available, preferably on an exchange basis, from Michael A. Vincent. The publications deal mainly with the Hysteriaceae.

POSITIONS AVAILABLE

The Systematic Botany, Mycology & Nematology Laboratory, Beltsville, MD may be hiring a mycologist on contract to develop an expert system on the Ustilaginales of the United States. The contract would be for one year - $24,000. Knowledge of Ustilaginales and basic computer skills is required. Please send resume to Amy Y. Rossman.

University of Maryland at College Park: Department of Botany is seeking nominations and applications of scientists qualified to serve as departmental chairperson. The Department currently consists of 29 faculty and 52 graduate students. A substantial number of faculty hold appointments in the Maryland Agriculture Experiment Station and the Cooperative Extension Service. Research programs range from whole-plant to subcellular and molecular areas with emphasis in Ecology and Systematics, Cellular and Molecular Biology and Plant Pathology. The faculty actively collaborates with scientists at the Smithsonian Institution, USDA, and the University's Biotechnology Institute. Applicants must have a Ph.D. degree and have demonstrated outstanding abilities in research in some field of modern plant biology. Evidence of administrative ability is desirable. Appointment will be made at the professorial level (tenured) with appropriate salary and benefits, preferably starting July 1, 1989. For full consideration submit a letter of application, curriculum vitae, and the names, addresses and telephone number of 4 references by December 1, 1988 to: Dr. A. L. Steinhauer, Botany Chair Search Committee, Department of Entomology, University of Maryland, College Park, MD 20742. Telephone (301) 454-3843. An Equal Opportunity/Affirmative Action Employer.
University of Vermont: Postdoctoral Position: available Spring, 1989 for two years. Use molecular genetics to characterize multiallelic mating-type, regulatory genes (MAT) from the filamentous Basidiomycete, *Schizopyllum commune*. Future work concerns: structure and expression of MAT alleles, MAT gene products and MAT control of MAT regulated genes. See: Munoz-Rivas et al., 1986, Mol. Gen. Genet. 205:103; Specht et al., Expt'l Mycology, Vol. 12, in press; Froeliger et al., 1988, Curr. Genet. 12:547; Giasson et al., 1988, Genome 30(suppl 1); 300, abstract 32.63.22. Send vitae, reprints or statement of research interests and three letters of reference to: Dr. Robert C. Ullrich, Department of Botany, University of Vermont, Burlington, VT 05405. (802) 656-0432.

University of Wisconsin: Research assistantship available immediately in the area of fungal ecology on leaf surface. Applications will be considered until a suitable individual is found. Contact: John Andrews, Plant Pathology, 1630 Linden Drive, University of Wisconsin, Madison, WI 53706. (608) 262-9642.

POSITIONS WANTED

Marion A. Higgins is interested in part-time employment in which some can be done at home and return possibly. Interests: General Botany, Micro, Mycology. Degree Masters thesis pending.

HUMOR

When Pamela Sletten had been picking single ascospores for days (for Sandy Anagnostakis) she came up with the following:

Q. What kind of mycologist hails from Toronto?
A. A CONIDIAN mycologist.

and when she was often out of a job,

Q. What did they call her work?
A. SPORADIC!
ASSISTANTSHIPS AND FELLOWSHIPS AVAILABLE

Duke University: Teaching assistantships and competitive University Fellowships are available to study evolutionary genetics and molecular systematics of fungi. Contact Rytas Vilgalys, Department of Botany, Duke University, Durham, NC 27706.

Iowa State University: Assistantship MS or Ph.D., 2 years. In Mycology to curate materials in mycological collections within the herbarium. An extensive reworking is underway following acquisition of a large number of specimens of historical significance. Contact Lois H. Tiffany.

Farlow Visiting Fellowship: Friends of the Farlow provide travel support and subsistence for work related to a dissertation using the Farlow collections at Harvard University.

Southern Illinois University: Doctoral Fellowship, for 1988-1989, with $10,000 stipend plus tuition waiver for each of 3 years (University-wide competition, 5 available). Also Teaching Assistantship (available on Departmental competitive basis) for M.A. or Ph.D. aspirant in SYSTEMATIC MYCOLOGY. Duties in General Biology, General Botany and/or Forest Pathology. Write W. J. Sundberg, Dept. of Botany, SIU, Carbondale, IL 62901.

State University of New York: College of Environmental Science and Forestry: Research and teaching assistantships available to graduate students interested in systematics, physiology, ultrastructure, and ecology of fungi; forest pathology; wood products pathology; mycorrhizae. Contact: C.J.K. Wang, D.H. Griffin, or J.J. Worrall, SUNY College of Environmental Science and Forestry, Syracuse, NY 13210.

University of Florida: Graduate Research Assistantship (M.S. or Ph.D.) available to study VA MYCORRHIZAL FUNGI. Contact David Sylvia, Soil Science Department, University of Florida, Gainesville, FL 32611. Telephone (904) 392-1951.

University of Georgia: Graduate assistantship in mycology in Plant Pathology graduate programs: M.S., $8,700, 2 years; Ph.D. $9,300, 3 years; all tuition waived. Please contact Charles W. Mims, Department of Plant Pathology, University of Georgia, Athens, GA 30602. Phone: (404) 542-1291.

University of Iowa: FOUNDER'S FELLOWSHIP in field studies for predoctoral students -- a summer at The Iowa Lakeside Laboratory. The stipend is $2,000, tuition free; fellows pay modest fees for room/board and lab space. The fellowships honor our founder, Thomas H. Macbride. Applicants will be doctoral candidates whose work has a field component for which a summer at the Iowa station would be especially profitable. Applicants should be at the level of independent investigator. Applicants should write the director about the area and facilities. An application will contain a cover letter, vitae, and a one or two page synopsis of the proposed project. Specific reasons why our station is so suitable are critical to the application. Two letters are requested, including one from the research sponsor. Applications will be considered up to about April 1st 1989. Contact: Richard V. Bovbjerg, Director, Professor of Biology, The University of Iowa, Iowa City, IA 52242 for exact due date for 1989 and other information.
University of Minnesota: Teaching Assistantships and Fellowships from the Botany Graduate Program. Contact Director of Graduate Studies, 220 BioScience Center, University of Minnesota, St. Paul, MN 55108.

University of Minnesota: The Department of Plant Pathology announces the availability of graduate research assistantships and fellowships for qualified students interested in an M.S. or Ph.D. degree. Research opportunities exist in several programs, including physiological and molecular aspects of plant pathology, mycology, molecular biology of fungi, disease diagnosis and management, mycotoxicology, virology, forest pathology, host-parasite genetics, air pollution etc. Graduate assistantships stipends are $10,606.00 with all tuition costs waived. Additional stipends are available to exceptional students. The University of Minnesota is an affirmative action/equal opportunity employer. Additional information can be obtained from Dr. Robert A. Blanchette, Director of Graduate Studies, Department of Plant Pathology, 495 Borlaug Hall, University of Minnesota, St. Paul, MN 55108. USA.

University of Texas: Research Assistantships in MEDICAL MYCOLOGY and BOTANY/MYCOLOGY. Contact G. T. Cole, Department of Botany, University of Texas, Austin, TX 78713 immediately. Telephone: (512) 471-4866.

University of Texas: Graduate Research and Teaching assistantships available in the Department of Microbiology to carry out grant related research with Paul Szaniszlo on Identification of antimycotic targets among pathogenic dematiaceous fungi and on enhanced plant-iron nutrition through biotechnology. Paul J. Szaniszlo at the Department of Microbiology, University of Texas at Austin, Austin, TX 78712.

University of Vermont: Graduate assistantships and fellowships are available in CLASSICAL and/or MOLECULAR GENETICS OF BASIDIOMYCETES. Support includes stipend and tuition remission. Obtain more information from Robert C. Ullrich, Department of Botany, Life Science Building, University of Vermont, Burlington, VT 05405.

FUNDS AVAILABLE FOR RESEARCH

IOWA LAKESIDE LABORATORY: Summer Fellowship in field biology for predoctoral students. Stipend $2,000. Fellows pay modest fees for room/board and lab space. A candidate's work should have a component for which a summer at the lab would be especially profitable. The 40 ha lab is located on glacial terrain on the western shore of deep West Okobji Lake. Many small lakes, wetlands, prairies, streams and woodlands are nearby. Potential applicants should contact the director and/or send an application which will include a cover letter, vitae, and a one to two page synopsis of the proposed project. Specific reasons why the station is particularly suitable are critical to the application. Two letters of support are requested, including one from the research advisor. Applications will be accepted up to April 1, 1989. Richard V. Bovbjerg, Director, Department of Biology, The University of Iowa, Iowa City, IA 52242.
Funds Available for Research

Sinden Scholarship. The James W. Sinden Scholarship Committee of the American Mushroom Institute is pleased to announce the availability of a single scholarship of up to $2,000 to be awarded on a yearly basis to a graduate student conducting dissertation research involving edible mushrooms and/or other edible fungi. The fund has been established in the name of Dr. James Sinden in recognition of his outstanding contributions to the science and industry related to the commercial mushroom. The due date for 1989 has not been determined; however, applications were accepted until May 15, 1988 after which the Committee reserved the right of refusal. Will need:

- Undergraduate and graduate transcripts;
- Four letters of recommendation - two of which should be from persons familiar with your academic record.
- Results of the Aptitude Section (quantitative and verbal) of the Graduate Record examination. Dates GRE was taken.
- One page statement of the thesis research project and career plans.
- Copy of application for admittance to University (if available).
- List of current scholarships or grants if any to support your research activities.

Applicant must adhere to financial policies relative to the grant as stated by the J. W. Sinden Scholarship Committee. Applications available from: Dr. James W. Sinden Scholarship Committee, American Mushroom Institute, 907 East Baltimore Pike, Kennett Square, PA 19348. Phone: (215) 388-7806.

Soil Biotron Available for Research. A new underground soil biology laboratory in a mixed hardwood forest in northern lower Michigan will be available for research in summer 1988 and thereafter. The laboratory, located at the University of Michigan Biological Station, is modeled after the successful East Malling laboratory. Funded by the National Science Foundation to facilitate manipulative experiments with roots, mycorrhizae, microbes, and invertebrates; the Soil Biotron differs from most lysimeter-rhizotrons in having removable windows for access to soil biota. Tree species surrounding the facility include bigtooth aspen, red oak, red maple, beech, and small white pines. Temperature and water potential data at four depths are currently being recorded and photographs showing the initial condition of each window (544 total) have been taken. Nearly 400 trees adjacent to the biotron have been permanently tagged and their diameters recorded. Support facilities available in the nearby Lakeside Laboratory include a culture room with laminar flow hood, darkrooms, chemical analysis laboratory, microcomputer with digitizing pad, and a computer link to Ann Arbor and many Universities.

We invite researchers interested in either collaborative research or individual projects to write to us for additional information on the feasibility of specific research projects, the availability of a summer fellowship supporting initial research, equipment available, and use fees at the following address:

Biotron
The University of Michigan Biological Station
Natural Science Building
Ann Arbor, Michigan 48109-1048
Telephone: (313) 761-4461
HELPFUL HINTS

Dr. Tien-ming Jen at the Veterans General Hospital, VACRS in Taipei, Taiwan 112 has a method for intravenous injection of Swiss mice, that involves using a paper-box as a mouse holder. The operator can perform the venous puncture of mice independently, easily and safely. Contact him for more information. No original reprints are available.

TOPICS FOR DISCUSSION

Dr. Y. S. Paul, Himachal Pradesh Krishi Vishra, Palampus, India is interested in a debate through the Newsletter on Topics covered in their paper entitled, "Outline Classification of Fungi" by Y. S. Paul and R. K. Agarwala (1984, Indian Journal of Mushrooms, 50, 49-42). Dr. Paul's letter states: We have made two major attempts - first to define fungus and second to classify this group. No satisfactory definition for fungus has been given so far as Alexopoulos (1962) has said -- 'to define exact limits of the group is virtually impossible, for the more we study living organisms the more meaning less become our attempts to delimit any particular group'. Similar comments about definition of fungus were given by Ainsworth (1973) -- 'it is difficult to give a concise diagnostic definition of fungi'. However, he circumscribed fungi under 9 heads---nutrition thallus etc. Analyzing these statements, it appears that the definitions given by these authors were not based upon the basic criteria which led mycologists to include a particular group of organisms in the category fungi'. Looking back into the classification of living beings into two divisions-Plantae and Animalia and its further modifications by Haeckel (1890), Copeland (1956), Barkeley (1968) and Whittaker (1969), we have proposed the present definition, which appears to satisfy all the criteria for describing fungi.

In the second part i.e. classification of fungi, we grouped fungi into three categories as given below:

a. Achlorophyllous, eukaryotic, naked, cell walled for a short duration, phagotrophic - Gymnomycota (naked fungi)

b. Achlorophyllous, eukaryotic, cell walled, naked for a short duration (motile phase) and absorptive nutrition -- Mastigomycota (motile fungi) and

c. Achlorophyllous, eukaryotic, cell walled and absorptive nutrition -- Eumycota (true fungi).

Ainsworth (1966) was followed mainly for further grouping of these divisions as there appears to be no point in placing back the already raised ranks to lower ranks (Alexopoulos and Mims, 1979).

The basic purpose of writing this letter to you is to start a debate through your journal which could lead to a better evolve definition and fungal classification.
HONORS, AWARDS, AND PROMOTIONS

TIMOTHY J. BAROM was a Hesler Visiting Professor in Botany at the University of Tennessee during the summer and fall of 1987. Research grant to study *Entoloma* sensu lato for the southeastern US, comparing with the *Entoloma* mycota of the Adirondack Park and general northeastern US. Awarded in summer 1988 a Research in Residency contract from the New York State Museum Biological Survey for his proposal: a Floristic Treatment of the genus *Leptonia* for the Adirondack Park.

EVERETT S. BENEKE: "Advances in Mycology and Medical Mycology, the Everett S. Beneke Symposium in Mycology" was held at Michigan State University on May 2, 1988. The Symposium, sponsored by the Departments of Botany & Plant Pathology, Microbiology & Public Health and Medical Technology, honored Dr. E.S. Beneke on the occasion of his retirement from Michigan State University after 40 years. The Symposium brought together eight former graduate students of Dr. Beneke's to discuss some of the advances in Mycology. These eight scientific papers will be published in Mycopathologia as a tribute to Dr. Beneke.

GASTON GUZMAN was appointed as a Honorary Member of Mexican Society of Botany.

C. GEORGE HOLLIS was elected president of the Society for Industrial Microbiology (1988-89), also promoted to V.P. Research Development Buckman Laboratories International, Memphis, TN.

JEFF POMMERVILLE was awarded an Honors Program Teacher/Scholar Fellowship from Texas A&M University for outstanding teaching and research. One of only 5 awards given.

MICHAEL G. RINALDI has been elected Secretary-Treasurer of the Medical Mycological Society of the Americas for a 5-year term and as a Vice-President of the International Society of Human and Animal Mycology (ISHAM) for a 4-year term.

EMORY G. SIMMONS was awarded an honorary degree Doctor of Science in May 1988 by Kasetsart University, Bangkok, Thailand. The diploma was presented in July by His Majesty King Bhumibol The Great following a reading of the degree citation during ceremonies at the University.

Kasetsart University sponsorship of the award arose in recognition of Simmons' contributions to the mycology program of the Department of Microbiology, Faculty of Science, where he has been Visiting Professor and Researcher for part of each winter term since 1984. *The degree citation emphasized that the award also reflected his involvement in international mycological and culture collection activities as well as his professional contributions to several institutions in Thailand over the past 21 years. Among these have been the Thailand Institute of Science and Technology Research, where he helped to establish the national culture collection (now incorporated in the Bangkok MIRCEN, serving Southeast Asia), and the Department of Agriculture, where he has advised on mycological aspects of various activities and has participated in regional training programs.*
TRAVEL AND VISITS

ALVIN L. ROGERS visited the Laboratory of Dr. Garry T. Cole in the Department of Botany at the University of Texas, Austin on August 8th, 1988. On August 10th, 1988 he visited the Laboratories of Dr. M. G. Rinaldi and Dr. Sung H. Sun at the Vet. Administration Medical Center, San Antonio, TX.

CHANGE OF AFFILIATION OR STATUS

MAURITZ G. ANDERSON has retired as of July 1, 1988 but is still retaining room in science area for research purposes.

GERALD BILLS is now Senior Research Microbiologist at Merck Sharp and Dohme Research Laboratories, Runway, NJ.

STEVEN E. CARPENTER has left Oregon State University and is now an IC-Processing Technician with Hewlett-Packard in Corvallis, Oregon.

ROBERT C. EVANS, Biology Department, Rutgers University at Camden, is beginning a one-year sabbatical as visiting professor in the Department of Plant Pathology, Ohio State University. Evans joined Rutgers in 1975 and is currently Associate Professor of Botany. His research interests are in fungal physiology and biochemistry using Bipolaris maydis as a model system. At Ohio State, Evans will be working with Dr. Michael O. Garraway on biochemical aspects of host-parasite relations involving B. maydis on corn.

GASTON GUZMAN is now at the Instituto de Ecologia, where he will continue mycological research in relationships with Xalapa and Guadalajara.

CLAUDE VEZINA, has changed from Deputy Director of Research and Education at the Institut Armand-Frappier to Director General of Rosell Institute Inc.

JAMES WHITE has accepted employment beginning September 1988 as assistant professor of biology at Auburn University in Montgomery, Alabama.

MRS. FLORA POLLACK, ex-APHIS mycologist, Beltsville, Maryland is happily retired after published her book on Cercospora, Mycologia Memoir No. 12. 1987.

JOHN W. RIPPON is retiring from the University of Chicago, Department of Medicine/Dermatology after 27 years.

DEATHS OF MEMBERS

C. W. Dodge (late July).
NOTES AND COMMENTS

BO LIU sadly informs us that the Mycological Herbarium of Shanxi University was destroyed by fire in November, 1984. All fungal books and papers were destroyed. Bo would appreciate any free secondhand books and papers on taxonomy or morphology of fungi for the purpose of rebuilding his herbarium in the near future. Department of Biology, Shanxi University, Taiyuan, The People’s Republic of China.

MARION L. LOHMAN, a 1928 Miami University graduate and student of Bruce Fink, died December 22, 1987 in Florida. Shortly before his death, Dr. Lohman donated his fungal herbarium, consisting of 1100 packets of Hysteriaceae and Hawaiian fungi (including type specimens), to the Willard Sherman Turrell Herbarium (Miami University). In addition, Dr. Lohman sent his literature collection on the Hysteriaceae as well as duplicate reprints of his publications. The material will soon be available for study, both at MU and on loan. Duplicate material will be distributed on exchange. Contact Michael A. Vincent, assistant curator, for loans or more information.

MYCOLOGISTS will be happy to hear that outcry has brought results. Our sustaining member, Herbarium Supply Co., will continue to provide several sizes of specimen boxes (2 1/2 x 1 5/8 x 1 1/4, 2 1/2 x 1 5/8 x 2, 3 1/4 x 2 1/4 x 1 1/2, 4 x 3 1/4 x 1 3/4, 4 x 3 1/4 x 2 1/2). Mr. John Ayers informs us that these boxes will be a permanent part of herbarium supply’s inventory.

(Submitted by Amy Rossman).

MICHAEL TANSEY, would appreciate cartoon, puns, jokes, anecdotes, and other mnemonic aids suitable for use in the mycology classroom, to M. Tansey for use in preparation of Mycological Teaching Humor #3.

A. WEINTRAUB: For sale: Simplified methods for isolation cultivation of fungi. A simple mushroom growth chamber, for mycology, botanical (fine seed germination, plant tissue culture and plant pathology). Simple decontamination by surface sterilization for larger equipment that can’t be autoclaved (may replace 5 or 6 1,000 ml. Er. Flasks. 2034 East 21st Brooklyn, NY 11229.

A. WEINTRAUB: Wanted: 5 lbs. acorns from oak trees. Names of specific Oak Trees given in English and/or Latin. Also wanted - acorn meal or flour (DOTORI). OAKTREE flour or sawdust (clean/dried). 5 lbs. needed for research. Name of tree given if known.

PERSONAL

Terry and Martha Hammill celebrated their 25th wedding anniversary on August 24, 1988, and the marriage of their older son, Michael, on September 3, 1988.

Amy Y. Rossman was married to Christian Feuillet on September 4, 1988. She will be keeping her name. Christian is a Botanist working at the Smithsonian Institute.

Anyone knowing the whereabouts of Lynferd J. Wickerham please write/wire 5540 West Bar X Street, Tucson, Arizona 85713. URGENT: Wife very worried and fought legal battle for both.
CHANGE OF ADDRESS FOR RESPONSES

Gerald Bills, Merck Sharp & Dohme Research Laboratories, PO Box 2000, R80Y-125, Rahway, NJ 07065-0900. Phone: (201) 574-3491. FAX: 201-574-5468.

Steven E. Carpenter, 24407 Abbey Lane, Philomath, OR 97370. Phone: (502) 929-5800.

Dr. Gaston Guzman, Instituto de Ecologia, Apartado Postal 18-845, Delegacion Miguel Hidalgo, Mexico, D.F., 11800, MEXICO.

Terrence M. Hammill, Department of Biology, SUNY College, Oswego, NY 13126. Phone: (315) 341-2768.

Steven L. Miller, Department of Botany, University of Wyoming, Laramie, Wyoming. Phone: (307) 766-4967.

Francis I. Molina, 132-E Matahikim St., U.P. Village, Diliman, Quezon City, 1101 Philippines.

Machiel E. Noordeloos, Plantenziektenkundige Dienst, Plant Protection Service, Dept. of Mycology, PO Box 9102, NL-6700 HC Wageningen, The Netherlands.

Flora Pollack, 2222 Southwinds Drive, Naples, FL 33940.

John W. Rippon, Aldergate Cottage, R1, Box 375, Sawyer, MI 49125. Phone: (616) 426-4674.

Donald P. Rogers, Phone change only: (206) 939-8561.

Claude Vezina, Director General, Rosell Institute Inc., 8480, bd St.Laurent, Montreal (Que.) Canada, H2P 2M6. Phone: (514) 381-5631. Telex: 05-82559.

James F. White Jr., Department of Biology, Auburn University at Montgomery, Montgomery, AL 36193. Phone: (205) 271-9316.

Michael J. Wingfield, Dept. of Microbiology, University of the Orange Free State, PO Box 339, Bloemfontein 9300, South Africa. Phone: (051) 4012396, International: (027) 51-4012396, FAX: (051) 82879.

FRONT COVER

MILES INC., Pharmaceutical and chemical research and manufacture, Elkhart, Indiana 46515.

MYCOTAXON, LTD., Publishers of Mycotaxon, an international journal of the taxonomy and nomenclature of fungi and lichens, P.O. Box 264, Ithaca, New York 14851.

NEW ENGLAND ANTIGENICS, Since 1952, a leading provider of quality raw mold products to the allergy profession, PO Box 1822, Portland, Maine 04104.

ORTHO PHARMACEUTICAL CORPORATION, Research Division, Route 202, P.O. Box 300, Raritan, New Jersey 08869-0602.

PELCO, INC., Transmission & Scanning Electron Microscopy Instruments & Supplies, Ted Pella, Inc., P.O. Box 510, Tustin, California 92680.

PFIZER, INC., Fine chemicals and pharmaceuticals by means of microorganisms, 235 East 42nd Street, New York, New York 10017. (203) 441-9100.

PIONEER HI-BRED INTERNATIONAL, INC., World Leader in Genetic Research for Agriculture. 7301 NW 62nd Avenue, Johnston, Iowa 50131. (515) 270-4100.

PITMAN-MOORE, INC., Animal Health and Nutrition Products, 421 East Hawley Street, Mundelein, IL 60060.

ROHM AND HAAS CO., Specialty monomers, polymers, industrial biocides and agricultural chemicals, Research Laboratories, Spring House, PA 19477.

SCHERING CORPORATION, Pharmaceutical manufacturers, Bloomfield, New Jersey 07003.

SMITH KLINE FRENCH LABORATORIES, Prescription medicines and other health care products, Division of Smith Kline Corporation, P.O. Box 7929, Philadelphia, Pennsylvania 19101.

SPAWN MATE, INC., Nutrient supplements, research labs, technical service and products for the mushroom industry, 555 North First Street, San Jose, California 95112. (408) 998-4408, TLX 171135.

TRIARCH INCORPORATED, Quality prepared microscope slides, catalog listed or custom prepared to your specifications, Ripon, Wisconsin 54971.

UNIROYAL CHEMICAL COMPANY, INC., Producers of crop protection/production chemicals; Fungicides, Insecticides, Miticides, Herbicides, Plant Growth Regulants and foliar nutrients. 74 Amity Road, Bethany, CT 06525.

THE UPJOHN COMPANY, Pharmaceutical Research & Development, 301 Henrietta St., Kalamazoo, Michigan 49007.