

MYCOLOGICAL NEWSLETTER

THE MYCOLOGICAL SOCIETY of AMERICA

DECEMBER, 1978
Vol. 29, No. 2

MYCOLOGICAL SOCIETY OF AMERICA

NEWSLETTER

Volume 29, No. 2, December, 1978

Cover by J. Page Lindsey

Edited by Henry C. Aldrich

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Editor's Note:

With Some relief I finish preparation of the last Newsletter done under my editorship. I assume the blame for shortcomings, and share credit for successes with sometime assistant editors Laura Duggan and Greg Erdos. Many others too numerous to mention assisted in mailing: graduate students, post-docs, families. My thanks to all of them. Without them, doing the Newsletter while simultaneously organizing the program for IMC2 would have been impossible. Your new editor for the next four years will be Dr. Martha Sherwood of the Farlow Herbarium of Harvard University. Martha's picture and a biographical sketch are reproduced below. The editorship is in capable hands! **HA**

Martha Sherwood was born on Nov. 8, 1948, in Eugene, Oregon. While studying at the University of Oregon as an undergraduate she was initiated into mycology by George Carroll, who subsequently employed her as a "scuzz" analyst for the IBP Coniferous Forest Biome. From 1972 to 1977 she pursued a graduate degree program at Cornell University under the directorship of Richard P. Korf, receiving a Ph.D. in 1977. She is currently Cryptogamic Botanist at the Farlow Herbarium, Harvard University, curating collections and continuing research on the taxonomy of lichenized and non-lichenized Ascomycetes.



The Mycological Society of America

FOUNDED DECEMBER, 1981

OFFICE OF THE PRESIDENT
Department of Plant Pathology
University of Arizona
Tucson, Arizona 85721 USA
Telephone (602) 626-2131

January 4, 1979

To members of the Mycological Society of America:

It is a great professional honor and personal pleasure to communicate with the entire membership and give you my best personal regards and best wishes for a good year in 1979.

The past year was highlighted by an outstanding meeting at the University of Georgia in August. We all express our special appreciation to Dick Hanlin, program chairman, and David Porter, local arrangements representative, for their many hours of work that ensured a highly successful program. The meeting was preceded by a three-day workshop on lower fungi that was organized and carried out with great dedication and competence by a large number of our members. Mel Fuller, Tom Dolan, Larry Gauriloff, and Wren Howard deserve our special thanks for the organization and direction of this workshop. The lab manual prepared for this occasion is a beautiful publication and will be extremely useful to all teachers of mycology and researchers on lower fungi. The workshop was dedicated to Ralph Emerson in recognition of his contributions to mycology and to the Mycological Society of America.

We also had a well-attended foray at the University of Georgia Botanic Gardens on the last day of the meetings.

One of the most encouraging aspects of the meeting was the large number of excellent papers given by graduate students. Selecting the outstanding student paper was a difficult decision, and William Mulleavy really earned his award. Also deserving of our congratulations are James Anderson and Larry Gauriloff, recipients of our graduate fellowships, and Kerry O'Donnell, who received the Alexopoulous Prize.

Our vice-president, Lennie Farr, has recently pointed out that MSA will have its golden anniversary in 1981. She is now chairing an ad hoc committee to present recommendations at the next council meeting for the observation of this occasion.

The work of all other committees is greatly appreciated and a special word of thanks goes to Meredith Blackwell, whose committee on research grants, publications, and awards has taken on additional responsibilities this year. We are also most grateful to Henry Aldrich for his excellent service as newsletter editor.

I thank you for the privilege of serving you all as President, and look forward to seeing you in Stillwater in August.

Sincerely,



Robert L. Gilbertson
President

RLG/lp

SUSTAINING MEMBERS

ANALYTAB PRODUCTS
Division Of Ayerst Laboratories
Plainview, New York 11803

AYERST LABORATORIES
Division of Ayerst, McKenna & Harrison Limited
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San Diego, California 92112

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Rahway, New Jersey 07065

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Bloomfield, New Jersey 07003

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WARNER-LAMBERT RESEARCH INSTITUTE
Central Research Affiliate of the Warner-Lambert Company
Morris Plains, New Jersey 07950

The Mycological Society of America

FOUNDED DECEMBER, 1931

OFFICE OF THE SECRETARY-TREASURER

Department of Biology
San Francisco State University
1600 Holloway Avenue
San Francisco, California 94132

SOCIETY ORGANIZATION, 1978-1979

1. OFFICERS AND COUNCILORS

President, 1978-79	Robert L. Gilbertson
President Elect, 1978-79	James W. Kimbrough
Vice-President, 1978-79	Marie L. Farr
Secretary-Treasurer, 1977-80	Harry D. Thiers
Councilors	
Eastern U.S., 1977-79	Donald H. Pfister
1978-80	Michael J. Larsen
Western U.S., 1977-79	Martha Christensen
1978-80	Salomon Bartnicki-Garcia
Canada 1977-79	James H. Ginns
Past Presidents 1976-77	Howard E. Bigelow
1977-78	Jack D. Rogers

2. OFFICIAL REPRESENTATIVES

Representative on the Committee of Sect. G, Biology, American Association For The Advancement Of Science (3 yrs.) 1979-81; Lafayette Frederick

Representative on the Governing Board, American Institute Of Biological Sciences (4 yrs.) 1979-82: Jerome J. Motta

Representative on the Board of Trustees, American Type Culture Collection (3 yrs.) 1977-80: Roger Goos

Representative to the Assembly of Life Sciences of the National Research Council (3 yrs.), 1978-81: Kent McKnight

Representative on the AIBS Local Arrangements Committee (1979): Kenneth E. Conway

3. EDITORS

- a. MYCOLOGIA, Editorial Board
- Margaret Barr Bigelow, Editor-in-Chief
 - Clark T. Rogerson, Managing Editor
 - Kenneth Wells, 1975-79
 - T. W. Johnson Jr., 1976-80
 - H. C. Aldrich, 1977-81
 - Darrell Weber, 1977-81
 - Bernard Lowy, 1978-82
 - Vernon Ahmadjian, 1979-83
 - Edward E. Butler, 1979-83
 - Kyung Joo Kwon-Chung, 1979-83
 - Book Review Editor, Richard Korf

- b. MYCOLOGIA MEMOIRS Board of Editors
 - M. L. Farr, 1976-1979
 - Elizabeth Moore, 1976-1979
 - Harold H. Burdsall, 1979-1982
 - Clark T. Rogerson, Managing Editor MYCOLOGIA, ex officio
 - T. M. Hammill, Chair., Sustaining Membership Committee, ex officio
 - H. D. Thiers, Secretary-Treasurer of M.S.A., ex officio
- c. M.S.A. NEWSLETTER, Editor
 - Martha A. Sherwood, 1979-1983
- d. PROGRAM CHAIRMAN
 - R. T. Hanlin

4. STANDING COMMITTEES

- a. COMMITTEE ON FINANCES
 - H. D. Thiers, Chair., 1978-1981
 - C. T. Rogerson, 1974-1980
 - J. W. Kimbrough, 1974-1983
- b. COMMITTEE ON MEDICAL MYCOLOGY
 - L. Ajello, Chair., 1976-1979
 - M. McGinnis, 1978-1981
 - H. Larsh, 1977-1980
- c. COMMITTEE ON NOMENCLATURE
 - C. P. Rogers, Chair., 1976-1979
 - R. L. Shaffer, 1976-1979
 - W. L. Culberson, 1976-1979
 - E. G. Simmons, 1977-1980
 - R. H. Petersen, 1977-1980
 - D. H. Pfister, 1977-1980
 - M. S. Gilliam, 1977-1980
 - S. Redhead, 1978-1981
- d. COMMITTEE ON SUSTAINING MEMBERSHIP
 - T. M. Hammill, Chair., 1976-1979
 - J. W. Ripon, 1976-1979
 - R. D. Goos, 1977-1980
 - H. W. Keller, 1977-1980
 - R. Blanchard, 1978-1981
 - G. Carroll, 1978-1981
- e. COMMITTEE ON RESEARCH GRANTS AND PUBLICATIONS
 - Meredith Blackwell, Chair., 1977-1980
 - Donald Niederpruem, 1977-1980
 - F. A. Uecker, 1978-1981
 - T. M. Hammill, Chair., Sustaining Membership Committee, ex officio

5. SPECIAL COMMITTEES

- a. EDITORIAL COMMITTEE FOR THE "GENERA OF FUNGI" PROJECT

P. L. Lentz, Chair.	R. A. Shoemaker
R. P. Korf	A. H. Smith
C. T. Rogerson	

- b. COMMITTEE ON COLOR STANDARDS
 - K. H. McKnight, Chair.
 - W. Illman
 - M. M. Kulik
 - O. K. Miller
 - R. L. Shaffer
 - W. G. Cibula

- c. FORAY COMMITTEE
 - W. B. Cooke, Chair.
 - W. C. Denison
 - J. L. Lowe
 - C. T. Rogerson
 - J. Page Lindsey
 - R. T. Hanlin
 - H. D. Thiers, Sec.-Treas., M.S.A., ex officio
 - R. L. Gilbertson, Pres., M.S.A., ex officio
 - J. W. Kimbrough, Pres. Elect, M.S.A., ex officio

- d. COMMITTEE ON THE ANNUAL LECTURER
 - L. S. Olive, Chair., 1975-1979
 - C. J. K. Wang, 1979-1982
 - J. Trappe, 1978-1981

- e. COMMITTEE ON PUBLICATION OF MEMORIALS
 - Margaret B. Bigelow, Chair.
 - Jack D. Rogers, Past Pres., M.S.A.
 - C. T. Rogerson, Historian

- f. HISTORIAN
 - C. T. Rogerson

- g. COMMITTEE ON TEACHING
 - Charles Mims, Chair.
 - J. L. Koevenig
 - Jack States

- h. AD HOC COMMITTEE ON BY-LAW CHANGES
 - M. S. Fuller, Chair.
 - Howard Bigelow
 - Robert Gilbertson

6. AFFILIATED SOCIETIES

- The Boston Mycological Club, Patrick Peterson, Treas., 21½ Inman St.
Cambridge, MA 02139
- Mycological Society of San Francisco, Lee W. Smith, Treas., P. O. Box
904, San Francisco, CA 94101
- The New York Mycological Society, Attn. Emil Lang, 1700 York Ave.,
New York, NY 10028
- The North American Mycological Association, H. S. Knighton, Pres.,
4245 Redinger Road, Portsmouth, OH 45662
- Societe Mycologique de France, 36 Rue Geoffroy-Ste. Hilaire,
Paris, Ve France
- Ohio Mushroom Society, 121 Brookline Ave. Youngstown, OH 44505
- Oregon Mycological Society, Reg. Agent, Donald Goetz, 6548 SE 30th Ave.,
Portland, OR 97202

COUNCIL MEETING AT THE FORTY-FOURTH ANNUAL MEETING OF THE
MYCOLOGICAL SOCIETY OF AMERICA, UNIVERSITY OF GEORGIA
ATHENS, GA. AUG. 19-20, 1978

MINUTES

The Council of The Mycological Society of America met for two days starting Aug. 19, 1978. The meeting was called to order by President Jack Rogers at 8 AM on the above date, recessed at 3 PM, reconvened at 9 AM on Sunday, Aug. 20, 1978, and officially adjourned at 12 Noon, Sunday, Aug. 20, 1978. All sessions were held in Room 109 of the Boyd Graduate Research Center of the University of Georgia at Athens, Ga. Only one member of the Council (James H. Ginns) was absent. In addition to the Council Members, the Editor-In-Chief and Managing Editor of MYCOLOGIA were present at the meeting as were several Committee Chairpersons and Official Representatives bringing the total number in attendance to sixteen.

The Minutes of the 1977 Council Meeting, held at Tampa, Fla. in conjunction with the Second International Mycological Congress, were approved as published in the MSA Newsletter (Vol. 28 (2) except for Item 1 (bottom of page 10 of the Newsletter) in which the word "periodically" was substituted for "annually".

The President appointed a Tally Committee composed of Robert L. Gilbertson, Harold H. Burdsall and Margaret B. Bigelow to count the ballots cast in the 1978 election of new officers of the Society. The results of the balloting were announced by the President at the Business Meeting of the Society held on Wednesday, Aug. 23, 1978.

The Council then:

(1) Received and discussed the report of the Secretary-Treasurer on business transacted by mail during the past year.

(2) Received and discussed the report of the Research Grants and Publications Committee and the announcement of the winners of the Graduate Fellowships in Mycology and the winner of the Alexopoulos Prize. The Alexopoulos Prize carried a stipend this year of \$300.00. The names of these winners were announced by the President at the Business Meeting held on Wednesday, Aug. 23, 1978. The Committee further reported that slow progress was being made on the development of a set of Guidelines for the Distinguished Mycologist Award.

(3) Received and discussed the reports of the Secretary-Treasurer, Editor-In-Chief and Managing Editor of MYCOLOGIA, Chairperson of the MYCOLOGIA Memoirs Board of Editors, Editor of the MSA Newsletter and the Program Chairman, including:

- a. Announcement by the Secretary-Treasurer that a dues increase is not necessary for the next year but, due to a considerable increase in costs especially in postage and printing, a dues increase will probably be necessary in the near future.

- b. The Chairperson of the MYCOLOGIA Memoirs Board of Editors announced that Margaret B. Bigelow's manuscript for Memoir No. 7, entitled Diaporthales in North America, is in galley proof. It was further announced that no additional manuscripts have been received by the board.
- c. It was announced by the Program Chairman that this was the first annual meeting of the Society in which Poster Sessions were included as a part of the regular program.
- d. Martha Sherwood, The Farlow Herbarium, Harvard University, was named new Editor of the MSA Newsletter beginning in 1979. The President was unanimously joined by the Council in expressing their sincere thanks and appreciation to the retiring editor, Henry Aldrich, for his truly outstanding performance as editor.

(4) Received and discussed reports from various Committee Chairpersons and Official Representatives of affiliated organizations, including:

- a. The Annual Lecture Committee announced the nomination of Dr. Peter Day as the Annual Lecturer for 1979. His nomination was unanimously approved by the Council. The Committee was asked by the Council to extend an official invitation to him to address the Society at its meeting in 1979.
- b. The Chairperson of the Sustaining Membership Committee announced that four new Sustaining Members were added during the past year. Three members were dropped during this same time representing, therefore, a net gain of only one member over last year.
- c. The Official Representative of the Society to ATCC urged the Society to continue to give strong support to that organization and to make an annual financial contribution, even if only on a token scale. Concern was expressed over the current trend of ATCC to give more emphasis to fungi causing human disease or to those of industrial significance rather than of those of plant pathogenic, teaching, or museum value.
- d. Membership in the Intersociety Color Council was achieved by the Society during the past year and Kent McKnight was named as the Official Representative of MSA to that organization.

Unfinished business of the Society included a resumption of the consideration of the recommendations of the ad hoc Committee on Reorganization of the Society which was chaired by Howard Whisler. The following action was taken by the Council:

(1) The Managing Editor of MYCOLOGIA was asked to acquire data on the following options and to make recommendations to the Council at the 1979 meeting:

- a. Should the Society keep the present page size of MYCOLOGIA but include full page illustrations and improve the quality of the illustrations
- or
- b. Should the Society enlarge the journal size to a slightly larger format (such as that of BRITTONIA) and bring about an improvement in the quality of the illustrations
- or

c. Should the Society leave MYCOLOGIA as it is at present.

(2) The Managing Editor of MYCOLOGIA was asked to make publication cost comparisons between the present printer and at least one other printer.

(3) The Council voted not to consider enlarging the journal to the format and size of the AMERICAN JOURNAL OF BOTANY.

(4) The Council voted not to consider withdrawing from the agreement with the New York Botanical Garden regarding MYCOLOGIA as its official organ and thus voted not to consider publishing its own journal.

(5) The Council approved a motion to create a Program Committee (replacing the Program Chairman) to be composed of four members of the Society with one member representing each of the following disciplines in Mycology:

Cytology-Genetics
Ecology-Pathology
Physiology-Biochemistry
Taxonomy-Morphology

Membership on the Committee will be staggered and, once the Committee becomes fully organized, each member will serve a term of four years and will serve as Chairman of the Committee during his last year of tenure.

(6) The Council approved a motion to change the composition of the Council of the Mycological Society of America from its present composition to the following:

President of the Society
President Elect of the Society
Vice-President of the Society
Secretary-Treasurer of the Society
The two immediate Past Presidents of the Society
Councilor (one) - Canada
Councilor (one) - Eastern U.S.
Councilor (one) - Western U.S.
Councilor (one) - Whose main discipline is Cytology-Genetics
Councilor (one) - Whose main discipline is Ecology-Pathology
Councilor (one) - Whose main discipline is Physiology-Biochemistry
Councilor (one) - Whose main discipline is Taxonomy-Morphology

The term of the Council Member is to be extended from two to three years. The change in the composition of the Council suggested above requires a revision of the By-Laws of the Society and must, therefore, have the approval of the membership of the Society. The President appointed an ad hoc Committee, chaired by Mel Fuller, to prepare the ballot.

New Business included the following:

(1) The Council requested the Editorial Board of MYCOLOGIA to begin search for a new Editor-In-Chief of MYCOLOGIA to succeed Dr. Margaret B. Bigelow who retire from that position in 1980.

(2) Voted awards of \$50.00 each to the following for their contributions to the Workshop on Lower Fungi:

Tom Dolan
Larry Gauriloff
Wren Howard

(3) Voted to require abstracts of papers that are to be presented at the annual meeting of the Society in 1979. The abstracts will be published in the summer issue of the MSA Newsletter.

(4) The ad hoc Committee on the Teaching of Mycology was made a permanent Committee of the Society and Charles Mims was named Chairperson. He was asked to submit a set of Guidelines for the Committee for approval by the Council at the 1979 meeting.

(5) The President announced the resignation of Dr. Martina Davies as Representative of MSA to AIBS.

(6) The Council unanimously approved a motion for the Society to meet with AIBS at the University of California-Los Angeles in 1980.

(7) The Council voted to immediately expand the Editorial Board of MYCOLOGIA by the selection of three additional members and to eventually expand the Board to a total of fifteen members. Each member will serve a term of five years.

(8) The President announced that a generous offer had been received from Drs. Schwalb & Miles to donate the royalties from a book entitled Genetics and Morphogenesis in the Higher Fungi, toward the establishment of an award in the name of the late Professor John Raper of Harvard University. The Council expressed its sincere thanks for such an offer and will decide during the next year how the award will be handled.

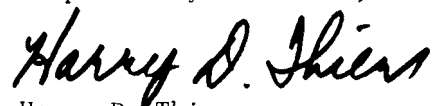
(9) The Council voted unanimously to impose a Late Fee of \$5.00 upon all members whose dues are not paid by January 1 of each year.

(10) A motion was approved by the Council to extend the period of eligibility of student membership in the Society from the present five years to a total of seven years. The change in the period of eligibility is to take place January 1, 1979.

(11) The Council directed the Secretary-Treasurer to include in the next issue of the Directory the telephone numbers of all members who are willing to release them. In addition, each member of the Society will be asked to indicate the discipline (See Item # 3 under unfinished business) which most nearly represents his/her interest. These requests will be included with the Dues Notices for 1979.

(12) The Council approved four members for Emeritus Status, 115 for Regular status, three new Sustaining Members, one for Associate and one for Affiliate.

Respectfully submitted,



Harry D. Thiers
Secretary-Treasurer

BUSINESS MEETING OF THE MYCOLOGICAL SOCIETY OF AMERICA
FORTY-FOURTH ANNUAL MEETING, UNIVERSITY OF GEORGIA
ATHENS, GA. AUG. 23, 1978

MINUTES

The annual Business Meeting of the Mycological Society of America was held on Aug. 23, 1978 in the Georgia Center For Continuing Education on the campus of the University of Georgia, Athens, Ga. President Jack Rogers called the meeting to order at 8:45 AM. There were approximately 110 members in attendance. The President introduced officers seated at the front table and welcomed members and guests to the Annual Business Meeting.

The President announced the results of the election of new officers of the Society as follows:

Vice-President: Marie L. Farr
Councilor - East: Michael Larsen
Councilor - West: Salomon Bartnicki-Garcia

The roster of officers for 1978-1979 was given as follows:

President: Robert L. Gilbertson
President Elect: James Kimbrough
Vice-President: Marie L. Farr
Secretary-Treasurer (1978-80): Harry D. Thiers
Councilors:
Eastern U.S. (1977-79): Donald Pfister
Eastern U.S. (1978-80): Michael Larsen
Western U.S. (1977-79): Martha Christensen
Western U.S. (1978-80): Salomon Bartnicki-Garcia
Canada (1977-79): James H. Ginns
Past Presidents (1977): Howard E. Bigelow
(1978): Jack D. Rogers

The President thanked Dr. David Porter, Local Committee Representative for his efforts in making the 1978 meeting a success and Richard Hanlin, Program Chairman, for the highly organized and successful program. He also expressed his gratitude to all committee chairpersons and official representatives for their contributions for a successful year in the Society. All retiring Council Members and Editorial Board Members were also thanked by the President for their service to the Society, and he gave special thanks to all members associated with the Second International Mycological Congress for their major contributions to a highly successful and stimulating conference.

Reports were presented by the Secretary-Treasurer (Harry D. Thiers), the Editor-In-Chief of MYCOLOGIA (Margaret B. Bigelow), and the Managing Editor of MYCOLOGIA (Clark T. Rogerson) as well as the results of the Council Meeting held on Aug. 19-20, 1978. Copies of these reports will be included in this issue of the MSA Newsletter.

The list of individuals requesting membership in the Society (printed on the Agenda) was presented. It included 115 new regular members, three new Sustaining Members, one new Affiliate and one new Associate Member. A motion was made, seconded and unanimously approved to accept these new members into the Society.

The President announced the names of the winners of the various awards offered by the Society as recommended by the Committee on Research Grants and Publications.

- (1) Selected for the Graduate Fellowships in Mycology were:

James B. Anderson
Dept. of Botany
University of Vermont
Burlington, Vermont 05401
and

Larry P. Gauriloff
Dept. of Botany
University of Georgia
Athens, Georgia 30602

- (2) Selected for the Alexopoulos Prize was:

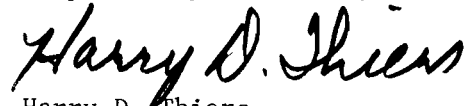
Kerry O'Donnell
Center for Electron Optics
Michigan State University
East Lansing, Michigan 48824

- (3) Selected for the Graduate Research Prize was:

William P. Mulleavy
Dept. of Botany
University of California
Berkeley, California 94720

There being no unfinished or new business, the President adjourned the meeting at 9:30 AM.

Respectfully submitted,



Harry D. Thiers
Secretary-Treasurer

The Mycological Society of America

FOUNDED DECEMBER, 1931

OFFICE OF THE SECRETARY-TREASURER

Department of Biology
San Francisco State University
1600 Holloway Avenue
San Francisco, California 94132

REPORT OF THE SECRETARY-TREASURER

1977 - 1978

This report covers the period between 31 July 1977 and 31 July 1978 and was presented to the Council of the Mycological Society of America at its annual meeting held at Athens, Ga. on Aug. 19-20, 1978.

A. Business transacted by mail since the 1977 meeting:

(1) In Oct., 1977 the Council voted unanimously to endorse the Rogers Bill in the House of Representatives of the U. S. Congress and the Nelson version of a similar bill in the U. S. Senate. Both bills were concerned with the regulation of research on recombinant DNA.

(2) In Nov., 1977 the Council unanimously approved a proposal by President Jack Rogers to award each of the following individuals an honorarium of \$300.00 for their substantial contribution toward the highly successful Second International Mycological Congress held in Tampa, Fla. in 1977: Henry Aldrich, Frederick Eilers, Melvin Fuller, Diane Merner and Leland Shanor.

(3) In Jan., 1977 the Council unanimously approved, with only minor alterations and suggestions, the Guidelines for awarding of the annual Alexopoulos Prize as proposed by the Committee on Research Grants and Publications.

B. Finances:

As of 31 July 1978 the checking account of the Society had a balance of \$6,372.10, the savings account a balance of \$19,978.77 giving the Society a total value in assets of \$26,350.87. Receipts from 31 July 1977 to 31 July 1978 totalled \$38,188.34. This sum included \$18,172.60 in dues from regular and affiliated members of the Society, \$90.00 from Associates, \$2,500.00 from Sustaining Members and \$600.00 from Life Memberships, \$4,000.00 as repayment of a loan to the International Mycological Society Congress, \$3,782.11 in donations and accrued interest to the Alexopoulos Fund, \$515.50 from the sale of Memoirs, \$878.63 interest on regular (other than Alexopoulos Fund) savings, and \$681.35 from miscellaneous sources (including address sales, AIBS dividend, resale of reception supplies, etc.) A transfer of \$5,000.00 from savings to checking was made.

Disbursements totalled \$34,348.69 during the period of 31 July 1977 to 31 July 1978. Included in this total were \$12,411.00 in dues to the New York Botanical Garden for MYCOLOGIA, \$4,883.57 for expenses of the reception held at the Second International Mycological Congress, \$1,500.00 in honoraria to the International Mycological Congress participants, \$3,834.00 expenses of the Secretary-Treasurer (including printing of the Directory, postage, dues notices, travel, etc.), \$2,379.98 expenses of the Newsletter, \$1,500 for Graduate Fellowship awards, \$715.00 dues for AIBS, \$75.00 dues for the Intersociety Color Council Membership, and \$413.57 for miscellaneous expenses (including printing costs for various announcements, dues reimbursements, bad checks, etc.). Unfortunately, for the first time in several years, it was not possible to transfer any funds from checking to savings.

During the year there was an increase in the assets of the Society of \$3,839.65 reflecting, to a large extent, increases in the Alexopoulos Fund and the MYCOLOGIA Memoirs Fund. The relatively large sum in the checking account (\$6,372.10) was necessary to cover the expenses of the Graduate Fellowships, Graduate Prize, Annual Lecturer, Alexopoulos Prize and other projected expenses.

The financial condition of the Society at this time does not call for an immediate increase in dues, however, there are several factors which point to such a need in the relatively near future. In the checking account expenditures exceeded receipts making it necessary to transfer funds from savings to checking to meet our obligations. The inflationary costs of printing, supplies and services, as well as the increase in postage rates, and the increase in the amount of funds obligated to the Graduate Fellowship awards have contributed to the tight financial condition. In the savings accounts the financial picture is somewhat brighter. There were substantial contributions made to the Alexopoulos Fund during the year and the MYCOLOGIA Memoirs Fund continued to show a satisfactory increase. Smaller increases were shown in the Operational Reserve Fund and in the Research Grants and Publication Accounts.

C. Membership:

As of the dates below, memberships in the Mycological Society of America were distributed as follows:

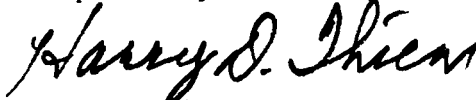
	31 July 1977	31 July 1978	Change
Affiliated Societies	7	6	-1
Associates	22	21	-1
Corresponding Members	9	9	0
Emeritus Members	62	66	+4
Life Members	21	24	+3
Sustaining Members	27	25	-2
Regular Members	1258	1274	+16
	1406	1422	+16

Between 31 July 1977 and 31 July 1978, 173 regular members were added to the Society rolls. These included 47 full members, 68 student members and 58 reinstatements. Three Sustaining Members, one Associate and one Affiliated Society were also added. Membership was reduced by 82 members: 14 by resignation (including 3 Sustaining Members), 10 deceased, and 62 were dropped for non-payment of dues.

The following members requested and were granted Emeritus Status:
Patricia Allison, Marjorie Anchel, Edith K. Cash and John S. Karling.

Deaths of the following members were reported since 31 July 1976:
Lee Bonar, Dorothy Fennell, E. Hellmers, L. R. Hesler, E. E. Leppik, Aasa Omvik, W. G. Solheim, F. K. Sparrow, E. E. Staffeldt and G. S. Torrey.

Respectfully submitted,



Harry D. Thiers
Secretary-Treasurer

REPORT OF EDITOR-IN-CHIEF OF MYCOLOGIA

This report covers the period from July 1, 1977 to June 30, 1978. During this period 163 manuscripts were received. Thirty-five were pending at the end of the previous year. Of the 198 manuscripts, 8 were rejected, 4 were withdrawn by the authors, 147 were edited for the 1978 volume, and final action still is pending on 39. The issues of volume 70 of Mycologia include 87 regular articles and 60 brief articles in addition to reviews and brief notices edited by Dr. Korf. The help and cooperation of the members of the Editorial Board, the Managing Editor, the Book Review Editor, and the many members and nonmembers who provided reviews are greatly appreciated.

/s/ M.E. Barr Bigelow, 7-1-78

REPORT OF THE MANAGING EDITOR OF MYCOLOGIA

For the fiscal period ending June 30, 1978, excess of expenditures over income was \$3,530. Total income amounted to \$71,703. of this \$12,645 came from member subscriptions, \$40,354 from other subscriptions, \$4,320 from sale of back issues, \$9,702 from page charges, \$2,344 from library exchange, \$2,129 from endowment fund, and \$209 miscellaneous. Expenses totalled \$75,233, including \$57,561 for printing and mailing issues of Mycologia, \$12,778 for salaries and overhead, \$2,100 for editorial services, \$1,900 for postage and express, \$20 for supplies and materials, and \$874 miscellaneous. The Mycologia Endowment Fund gained \$908, giving a total of \$34,722. The \$3,530 deficit has been subtracted from this fund and it stands at \$31,192.

/s/ Clark T. Rogerson, 8-17-78

SYMPOSIA, MEETINGS, FORAYS, ETC.

- * **THIRD INTERNATIONAL MYCOLOGICAL CONGRESS:** The executive committee of the International Mycological Association has accepted the invitation of the Mycological Society of Japan to hold the Third International Mycological Congress (IMC3) in Japan in 1983. The Congress will be based in either Kyoto or Tokyo, most probably in late August. Further information will be circulated by the organizing committee of the congress when detailed arrangements have been finalized. The above was circulated by D.L. Hawksworth, Secretary, IMA.
- * The VII Congress of the International Society for Human and Animal Mycology will be held in Jerusalem, Israel, March 11-16, 1979. For registration materials address the Secretariat, P.O. Box 16271, Tel Aviv, Israel. See below for information on group package tours.
- * The 1979 Inter-Society Color Council Williamsburg Conference, the Judd Memorial Conference on Color Metrics, will be held at Williamsburg, Virginia, February 11 to 14, 1979. Application forms were due Dec. 5, but those interested in attending might contact Mr. S. Leonard Davidson, N L Industries, P.O. Box 700, Hightstown, NY 08520. The meeting will be at the Williamsburg Lodge. The ISCC is holding its annual meeting April 23-24, 1979 at the Roosevelt Hotel in New York City. For information contact Dr. F. W. Billmeyer, Jr., Dept. of Chemistry, Rensselaer Polytechnic Institute, Troy, NY 12181.
- * Jan Kohlmeier will host the Third International Marine Mycology Symposium from Sept. 9 to 15, 1979, at the University of North Carolina. Contact him for details.
- * Marcel Locquin is organizing a paleomycology colloquium to be held in Paris, France for two days in July, 1980. Request the First Circular from Laboratoire de Micropaleontologie, Ecole Pratique des Hautes Etudes, 8, rue de Buffon, 75005 Paris, France. It must be returned by June 30, 1979.
- * The Second International Congress of Systematic and Evolutionary Biology will be held at the University of British Columbia, Vancouver, B.C., Canada, July 17-24, 1980. The First Circular will be mailed in the spring of 1979, and should be requested from: Dr. G.G.E. Scudder, Dept. of Zoology, University of British Columbia, 2075 Wesbrook Mall, Vancouver, B.C. V6T 1W5, Canada.
- * The Second New England Mycology Conference will be held April 21, 1979 at the University of Massachusetts in Amherst. Information and registration forms will be mailed to 1978 participants in February, 1979. Others who are interested should inform Dr. Howard E. Bigelow, Dept. of Botany, Univ. of Massachusetts, Amherst, MA 01003 in order to be placed on the mailing list.
- * The 4th North American Conference on Mycorrhizae will be June 24-28, 1979 at Colorado State University. For details: Dr. C.P.P. Reid, Dept. of Forest and Wood Sciences, Colorado State Univ., Fort Collins, CO 80523.

See your MSA Directory for addresses of correspondents!

- * Smith Shadomy tells us that a group package tour for the International Society for Human and Animal Mycology Congress (mentioned above) in Jerusalem is available for \$998 (double occupancy, 10 day itinerary). Contact Crown International Travel, 655 South Hope St., Suite 707, Los Angeles, CA.
- * Kent McKnight is trying to stimulate interest of mycology participants in the Scanning Electron Microscopy/1979 meetings to be held April 16-20 in Washington, D.C. He would like to hear from you if you are interested in presenting a paper. Additional information on the symposium is available from Dr. Om Johari, P.O. Box 66507, AMF O'Hare IL 60666.
- * J.L. Lowe can supply further information concerning the Peck Mycological Foray to be held Sept. 21-23, 1979 at Fredonia Camp, Fredonia, NY.
- * Two upcoming forays in the Ohio area are:
NAMA Foray, Sept. 27-30, Camp Muskingum, Carrollton, Ohio
Ohio Mushroom Society Foray, July 14-15. Contact Walter Sturgeon, 121 Brookline Ave., Youngstown, Ohio 44505.
- * The 4th International Symposium on Mycotoxins and Phycotoxins, sponsored by the International Union of Pure and Applied Chemistry, will be held in Lausanne, Switzerland, Aug. 29-31, 1979. For participation and poster presentation contact Prof. Palle Krogh, Dept. of Veterinary Microbiology, School of Veterinary Medicine, Purdue University, West Lafayette, IN 47907, or Prof. D. Reymond, IUPAC Case postale 88, 1814 La Tour de Peilz, Switzerland.
- * Marcel Locquin is planning to organize with U.S. colleagues yearly forays in North America and in Europe with the aim of comparing European and American Floras.
- * Contact M. Locquin for details concerning an international seminar on fossil fungi to be held in Paris in July, 1982 during the International Geological Congress.
- * The Canadian Botanical Association solicits participation by mycologists in its annual meetings June 17-21, 1979 at Carleton University, Ottawa, Canada. Contributed papers are invited from members of MSA. Send them to W.I. Illman, ELBA, Carleton University, Ottawa, Ontario, Canada K1S 5B6. Workshops and symposia of interest to mycologists will form part of the meetings.
- * Martyn Dibben organized a Tropical Field Symposium in Costa Rica for the International Association for Lichenology, Dec. 27, 1978 through Jan. 6, 1979. Some 40 participants from 18 countries spent 10 days collecting and discussing problems associated with lichens from tropical areas.
- * The Puget Sound Mycological Society will present its annual exhibit Oct. 6-7, 1979 at Seattle Center. For details, write Puget Sound Mycological Society, 200 Second Ave., Seattle, WA 98111.

FIND ADDRESSES OF UNDERLINED CORRESPONDENTS IN YOUR MSA DIRECTORY!

NEW MYCOLOGICAL RESEARCH PROJECTS:

- * We have been literally overwhelmed with responses in this category. To make it easier for readers to scan, we are temporarily abandoning our usual format and simply listing project titles and researchers.

Ian K. Ross: Role of microtubules and/or microfilaments in the movement of viruses and cell organelles in fungi.

Marcel Locquin: Mathematical theory of "catastrophes" applied to morphogenesis of fungi.

Shean-Shong Tzean: Occurrence and beneficial effects of endotrophic mycorrhizae in citrus and maize; The constricting ring closure mechanism by Arthrobotrys dactyloides.

C.J. Alexopoulos, R.W. Scheetz, and R.K. Nelson: A revision of the genus Tubifera (Myxomycetes).

David Largent: Fungal flora of nature conservancy land at Lanphere Dunes (Pinus contorta-Myrica-Vaccinium-Arctostaphylos); Mycorrhizae of conifer-ericaceous shrub ecosystems.

Jim Trappe: Mycorrhizal ecology of SW Oregon and NW California.

Howard Harding, Daniel Dostaler, R.A.A. Morrall: A multivariate analysis of variability in Bipolaris sorokiniana.

H. Iizuka: Studies on the genus Monascus.

Michael G. Rinaldi: In vivo and in vitro investigations on the antifungal agent Amphotericin B Methyl Ester.

Richard Calderone: Candida albicans endocarditis (supported by NIH grant, from NIAID and NHLB.)

Thomas McInnis: Pathogenicity of a Leptogenia sp. for mosquito larvae (supported by a WHO grant).

John Walker: Taxonomy of plant parasitic fungi in Australia. Study of plant diseases in Australia.

Pierre Auger: Serotype and sensitivity to 5-fluorocytosine of Candida albicans; Pathogenesis of infection to Candida albicans.

T.M. Jen: Studies on the susceptibility of some Amphotericin-B resistant yeast-like fungi to Griseofulvin.

Rolf Singer (assisted by Izonete Araujo): Role of fungi, especially Basidiomycetes, in neotropical ecosystems.

Gary T. Cole (with Drs. L.J. Berry and M.N. Guentzel): Gastro-intestinal and systemic candidiasis in infant mice; (with F. DiCosmo, T.R. Nag Raj, and B.C. Sutton): Developmental ultra-structural studies of coelomycetous fungi.

Thomas J. Raub (with H.C. Aldrich): Encystment of myxamoebae of Physarales.

William C. Elsik: Morphologic types of fungal spores in modern soils.

Jim Lampky: Ultrastructural study of a Didymium species.

Libero Ajello: Development of serological procedures for the identification of fungus cultures.

Harold Keller and Jean Schoknecht: Monograph of the genus Clastoderma (4 species), including SEM of all species.

Rolf Singer: Biology and ecology of Amazonian forests (participating with research on ectomycorrhizae and litter-decomposing fungi.)

Francis W. Holmes: Interaction of salt injury and Verticillium in shade trees.

K.M. Leelavathy and S. Zacharia: Soil micro- and macro-fungi.

K.V. Sankaran: Rhizosphere mycoflora of pepper.

Leo P. McCloskey: Effects of Botrytis cinerea on red wine aging and on white wine production.

Pierre Charest (with G.B. Ouellette and Fernand Pauzé): Fusarium wilt of tomatoes.

Janet Gallup (with Kozak, Cummins, and Gillman, M.D.s, Inc.): In vitro and in vivo evaluation of mold extracts for spore antigen and reagin activity; Comparisons of viable spore levels and particle counts before and after electrostatic filtration; Environmental mold surveys in homes of asthmatics. (Note her culture requests in "Fungi wanted" section).

Jack States: Studies of hypogeous, ectomycorrhiza-forming fungi associated with ponderosa pines and their interrelationships with tassel-eared squirrels.

Martha Sherwood: Preparing an Exsiccati of Phacidiales (in the broadest sense, including Ostropales and Hemiphacidiaceae). She needs large collections, particularly of endemic North American species. Help, anyone?

C.J.K. Wang (with Dorene Setliff and Richard Ziobro): Effects of acid precipitation on forest litter and soil fungi in the Adirondack Mountains.

C.J.K. Wang and R.A. Zabel: Detecting and controlling early decay in pressure-treated southern pine poles (Supported by the Electric Power Research Institute).

Edson Setliff and Paul Manion: Effects of acid precipitation on predisposition and infection of red and Scots pines with Scleroderris Canker.

Edson Setliff, J.L. Lowe and Kent Dumont: Taxonomy of neotropical polypores.

Steven H. Pollock: Agariculture of some novel Psilocybes from tropical Mexico.

Kwon S. Yoon: Ultrastructural study on basidiospore development in Boletus.

Donna Zook (with Ronald W. Meyer): Pathologic anatomy of Iris blossoms blighted by Botrytis cinerea.

William Porter (with Ronald W. Meyer): Vertical distribution of lichens on the Sierra foothills scrub oak, Quercus wetzlisinii.

David J. McLaughlin: Application of ultrastructure to understanding evolution in Basidiomycetes.

Kerry O'Donnell: Preparing book entitled "Zygomycetes in Culture".

R.N. Ferreira: Fungal ecology and insect-fungus relationships in the Connecticut area. (He would like to contact people involved in insect-fungi studies, especially with Amanita spp.).

FORTHCOMING COURSES IN MYCOLOGY

- * Harold Keller will teach Biology of the Myxomycetes (Bio 428/628) during Winter quarter 1978-79 at Wright State University.
- * A course on applications of biological microtechniques to the study of fossil fungi will be given in Paris this year by Marcel Locquin.
- * Medical mycology for residents in medicine will be taught by Pierre Auger in Montreal. Write him for details.
- * Bill Elsik is tentatively planning to give a short course on fossil fungal spores at Louisiana State University late in 1979. It will be organized by Dr. George F. Hart of the Department of Geosciences at LSU.
- * A short course on aquatic fungi was given at the University of Guayaquil, Ecuador from Nov. 18 to 26, 1978 by A.I. Milanez.
- * D.A. Reid will teach Mushrooms and Toadstools of S.E. England, 5-7 October, 1979 at Juniper Hall Field Centre, Dorking, Surrey, England RH5 6DA.
- * The extensive Friday Harbor course in Marine Mycology will be offered July 23-August 25, 1979 by Gilbert Hughes and David Porter. It is for 9 quarter-credits and includes lectures, lab, and field work. Information and applications may be obtained from the Director, Friday Harbor Laboratories, Friday Harbor, Washington, 98250. Applications must be received before March 1.
- * A credit correspondence course in fungi, algae, and bryophytes is offered at University of Waterloo. Write Correspondence Program, University of Waterloo, Waterloo, Ontario, Canada N2L 3G1.
- * Hal Burdsall will teach a course in higher fungi at Mountain Lake

Biological Station July 19-Aug. 17, 1979. Contact Mountain Lake Biological Station, University of Virginia, Charlottesville, VA 22903.

- * Gordon Roberstad will teach Medical Mycology at University of Texas at El Paso May 25-July 7. Write him for details.
- * The University of Michigan Biological Station at Douglas Lake will offer this summer: Fungi (R.L. Shaffer) and Lichens (H.A. Crum). The station bulletin and application forms for both admission and financial aid may be obtained from the Director, U-M Biological Station, 4053 Natural Science Bldg., University of Michigan, Ann Arbor, Michigan 48109.
- * At the University of Rhode Island, Roger Goos will offer Field Mycology in Summer, 1979, and Rick Koske will offer Ecology of Fungi in Fall, 1979.
- * Marine Microbiology will be offered at Duke University Marine Laboratory in Beaufort, N.C. by A.R. Cavaliere. For details write him at Dept. of Biology, Gettysburg College, Gettysburg, PA 17325.
- * Orson Miller will offer Introductory Mycology and Research in Mycology at the University of Montana Biological Station at Yellow Bay on Flat Head Lake this summer. For details, write Dr. John Tibbs, Director, Univ. of Montana, Biological Station, Missoula, Montana.
- * Norman Goodman will teach Laboratory and Clinical Diagnosis of Human and Animal Mycoses, July 2-27, 1979, at University of Kentucky Medical Center, Lexington, KY 40506. Write him at the Dept. of Community Medicine for details.
- * Jean Schoknecht will teach Mycology at Indiana State University July 17-Aug. 18.

FUNGI NEEDED FOR RESEARCH PROJECTS (C=cultures, s=specimens)

* Myxomycetes:

Henry Stempen would like specimens of Ceratiomyxa morchella and C. sphaerosperma.

Paul L. Conant of Triarch, Inc., one of our sustaining members, would like to obtain mature dry fruiting bodies of Physarum (any species) for slide making.

Karl Braun needs Myxomycetes from Mexico

Harold Keller wants Licea, Clastoderma and Badhamia. He would also like to correspond with anyone willing to collect bark samples from living trees in Georgia, Alabama, Arkansas, New Mexico, Arizona, Mexico, and New Zealand.

O'Neil Ray Collins is searching for viable specimens of Didymium iridis and closely related species, Physarum pusillum, and P. polycephalum.

(Continued on p. 23, after AIBS insert)

SEE YOUR MSA DIRECTORY FOR ADDRESSES OF CORRESPONDENTS.

Continued from p. 22

* Zygomycetes:

Terry Hammill needs strains of Mucor mucedo (both mating types plus those which have not been mated) or closely related species.

* Oomycetes:

Deborah Langsam would appreciate receiving isolates of Brevilegnia (c) David E. Padgett needs cultures of any saprolegniaceous species that have been recovered from estuarine waters or saline soils, for salinity tolerance experiments.

* Ascomycetes and Imperfects

Paul L. Conant, of Triarch, Inc., would like preserved material (FAA) of Phyllactinia corylea (or other species) to show cleistothecia with attached (mature) appendages.

Austin Hagan wishes to obtain Drechslera spp. and Bipolaris spp. (c) isolated from turf grasses. He is especially interested in D. gigantea, D. bromi, D. siccans, D. tictyoides, D. phlei and D. fugax. Address him at 230 Botany-Zoology Bldg., Ohio State Univ., Columbus 43210

G.F. Orr is always happy to receive cultures of Gymnoascaceae and related fungi.

Dennis Schwartz needs cultures of Paracoccidioides brasiliensis. S.E. Carpenter wants Allophylaria, Belonioscypha, Cyathicula, & Davincia (c&s)

Peter Jeffries is looking for cultures of Gonatobotryum fuscum

Marco A. Marchetti would like isolates of Pyricularia oryzae, especially major U.S. pathogenic races collected from Texas, Arkansas, and Louisiana. He reminds you that state and APHIS clearance is required to mail.

Dean Glawe would like to receive any diatrypaceous fungi (c & s).

Martha Sherwood wants to obtain Coccomyces (s), any Rhytismataceae on wood or bark, and large collections of endemic North American species of Phacidiales sensu lato (for her exsiccati of this group).

Janet Gallup, working on fungi as allergens, would like to obtain cultures of Stemphyllium, Pithomyces, Ulocladium Alternaria spp. other than tenuis or the CMI alternata isolate, Tetraploa, Beltrania, and a true Helminthosporium (not Drechslera).

S. Zacharia requests Aspergillus brunneouniseriatus.(c).

Garry Cole wishes to obtain Coelomycetes sporulating in pure culture.

H. Iizuka wants any cultural strains of Monascus and related matters for the isolation.

Howard Harding needs Bipolaris sorokiniana (c), alias Helminthosporium sativum, alias Drechslera sorokiniana, alias Cochliobolus sativus, and so forth.

Fred DiCosmo (Dept. of Biology, Univ. of Waterloo, Waterloo, Ontario, Canada N2L 3G1) requests Phacidiaaceae (c & s).

Roger Goos would welcome helicosporous fungi (s & c), and melioliaceous fungi (s) with host identification.

* Basidiomycetes:

Donald Wicklow is seeking cultures of Agarics other than Coprinus that are known to colonize ruminant dung.

Joe Ammirati would like dried specimens of Cortinarius and Tubaria, with notes on macroscopic characters (Kodachromes are helpful.)

Gary A. Hunt needs cultures of any Laccaria species with notes on

collection date, locality, and habitat.

Royall T. Moore would appreciate cultures or viable material Ustilago vuijckii, Chionosphaera apobasidialis, and Microstoma album.

Brian S. Luther is looking for Lindtneria or Lindtneria-like fungi from anywhere, but especially from S.E. US (c & s).

Larry F. Grand could use Suillus spp. associated with white pines (s); Rhizopogon spp. associated with white pines (c).

Don C. Prusso wants Tulostoma (s) with complete collection data.

Vincent Demoulin would like Gasteromycetes, especially Lycoperdon (s)

Gary Frank Leatham requests cultures of Auricularia auricula, Boletus edulis, Cantharellus cibarius, Volvariella volvacea, Volvariella esculenta, Strobilomyces floccopus.

Shean-Shong Tzean wishes to obtain cultures of Trametes abidia, T. cinnabarina, T. serialis, Polyporus versicolor, P. adustus, P. ostreatus, Matruchotia varians.

Ian K. Ross needs any cultures of Coprinus congregatus.

Martyn J. Dibben reports that the Medical College of Wisconsin and the Milwaukee Public Museum are cooperating on studies of toxicity variance within the genus Amanita. Please send them dried material from U.S. of Amanita phalloides, A. verna, A. virosa, etc., along with field data, from the 1978 and 1979 seasons. Send to Dr. Dibben.

* Miscellaneous:

S. Zachariah would like cultures of possible fungal pathogens for the biological control of Salvinia auriculata.

John Walker wants to receive exsiccati specimens of any fungi from any geographic region. He is especially interested in plant parasitic and microfungi. He is willing to exchange (see next heading).

Jim Trappe wants all hypogeous macrofungi (s).

Marcel Locquin would like to receive fossil fungi and spores.

Send Bill Elsik slides of soil fungal spores (residues) with notes on locality and process.

FUNGI AVAILABLE FOR DISTRIBUTION

Gasteromycetes (c,s); Hebeloma neerlandica (=H. microspora)(c,s).
Contact Vincent Demoulin.

D.A. Reid can supply specimens from tropical regions and Britain,
John Walker will distribute on an exchange basis exsiccati specimens of fungi, mainly plant parasites.

IDENTIFICATIONS: The following individuals are willing to identify the fungi listed:

Myxomycetes:

Harold Keller: Myxomycetes from bark of living trees, and spp. of Perichaena, Licea, Echinostelium, and Clastoderma.

Oomycetes:

Deborah Langsam: Brevilegnia

Ascomycetes and Imperfects:

John H. Haines: Hyaloscyphaceae.

L.R. Batra: Filamentous Hemiascomycetes with ascosporic stages.

ANNUAL

MEETING

ABSTRACT

FORM

MYCOLOGICAL SOCIETY OF AMERICA ABSTRACT FORM

44th ANNUAL MEETING - OKLAHOMA STATE UNIVERSITY, STILLWATER

READ ALL INSTRUCTIONS -- DEADLINE DATE: MARCH 12, 1979!

TYPE ABSTRACT HERE

1. Make a 4½ x 6½ inch practice box on plain paper. Compose abstract to fit within area. Practice typing abstract in rectangle before typing on this special form.
2. Type in this order: author(s) name(s), addresse(s), title of presentation, and text must be fitted within the box.
3. Begin by typing authors' names to right of dotted line. CAPITALIZE FIRST NAME, INITIALS, AND LAST NAME OF AUTHORS. Follow directly with addresses including zip code.--Title of Abstract (capitalize first letter of first word and each proper noun of title). Maintain the indentation until address and title are complete. Add asterisk (*) to name of person presenting paper.
4. Start text of abstract on NEW LINE without indentation using entire width of box. Do not type on or beyond lines of box.
5. Single space all typing. Type perfect copy. DO NOT ERASE. The abstract will appear exactly as you submit it. Erasures, smudges, errors, misspellings, poor hyphenation and deviations from good usage will be glaringly apparent and may be grounds for non-acceptance.
6. Use a typewriter, PREFERABLY ELECTRIC WITH ELITE TYPE. Clean type before using. Use a carbon ribbon, otherwise a reasonably new, good quality BLACK SILK ribbon. (A new ribbon may smudge; an old ribbon may be too faint.)
7. DO NOT FOLD THIS SHEET. Insert abstract plus one (1) copy FLAT in 9 x 12 inch envelope with cardboard backing to prevent damage. Xerox copies of this sheet are NOT acceptable for the original abstract because the blue printing will show as black when photocopied by the printer. If necessary, you may submit (for the original) the abstract on plain white typing paper in a blue rectangle of the same dimensions as the one on this page.
8. Mail before MARCH 12, 1979 to Program Chairman, along with the completed "Application for a place on the 1979 MSA Program" (p. 2 of AIBS Insert following p. 22).

NOTE: Your abstract should be of the informative type and contain a concise statement of (1) the problem under investigation; (2) the experimental method used, if pertinent; (3) the essential results obtained. The text should cite quantitative data from representative experiments or summary data; (4) conclusions. It is NOT satisfactory to state: "The results will be discussed."

THE MYCOLOGICAL SOCIETY OF AMERICA
ANNOUNCEMENT OF THE 1979 MEETING AND
CALL FOR PAPERS

The 44th annual meeting will be held August 12-17 at Oklahoma State University in conjunction with the 1979 A.I.B.S. Meeting. Dick Hanlin is MSA Program Chairman; the Local Representative for MSA is Dr. Kenneth Conway, Department of Plant Pathology, Oklahoma State University, Stillwater, Oklahoma 74074.

Members and Associates wishing to present a paper at this meeting should complete both the "Application for a place on the 1979 MSA Program" (on the back of this sheet) and the yellow abstract form on the pull-out center sheet and send them to Dick Hanlin by March 12, 1979.

Please note that members have a choice of making their presentation orally or as a poster session. EXCEPTION: Members competing for the Graduate Research Prize must give their paper orally. Presentation of papers and subsequent discussion should not exceed 15 minutes total. Slide projectors will be available for 5 X 5 cm (2 X 2") slides only.

Abstracts of papers and posters presented at the meeting will be printed in the June issue of MSA Newsletter. Abstracts must be typed according to instructions on the form provided and sent to Dick Hanlin with the request for a place on the program.

Graduate Research prizes of \$100 and \$50 will be awarded to the two graduate students or recent Ph.D.'s (within the past year) who give the mycological papers judged outstanding as to content and manner of presentation.

AIBS MEETING INFORMATION

AIBS MEETING INFORMATION

Application for a place on the 1979 MSA Program

Check one: Oral Presentation; Poster Session

Title of Paper or Poster _____

Authors and Institutional address in sequence to be printed in program (Indicate who will present paper).

1. _____
2. _____
3. _____

Time requested _____ min. Special audio-visual needs? _____

Category requested:

<input type="checkbox"/> Taxonomy	<input type="checkbox"/> Cytology	<input type="checkbox"/> Class: _____
<input type="checkbox"/> Morphology	<input type="checkbox"/> Ultrastructure	<input type="checkbox"/> Order: _____
<input type="checkbox"/> Physiology	<input type="checkbox"/> Ecology	<input type="checkbox"/> Family: _____
<input type="checkbox"/> Genetics	<input type="checkbox"/> Medical Mycology	

Is the sole or senior author now a graduate student or has he/she received the Ph.D. degree within the past year? yes no

Return by Mar. 12, 1979 to: Dr. Richard T. Hanlin
 Department of Plant Pathology
 University of Georgia
 Athens, Georgia 30602

Martha Sherwood: Ostropales, Phacidiales
Libero Ajello: Spp. of the genera Epidermophyton, Microsporum,
and Trichophyton.

John Walker: Gaeumannomyces and some other scolecospored
Ascomycetes.

Austin Hagan: Drechslera or Bipolaris

G.F. Orr: Gymnoascaceae, except Arthroderma & Nannizzia, by
arrangement

S.E. Carpenter: Allophylaria, Belonioscypha, Cyathicula,
Davincia.

Basidiomycetes and miscellaneous:

John A. Menge: Endomycorrhizal fungi.

Rolf Singer: Neotropical Agaricales particularly Hydropus
(Tricholomataceae) (only dried specimens with ample notations
on fresh condition with drawings or photographs). Send to
his new address at the Field Museum of Natural History, Chicago,
Ill. 60605.

David Largent: Leptonia

Vincent Demoulin: Lycoperdales and Sclerodermatales.

Joe Ammirati: Cortinarius.

Jan Kohlmeyer: Marine Ascomycetes, Basidiomycetes, Deuteromycetes.

Jim Trappe: All hypogeous macrofungi.

Marcel Locquin: Fossil fungi.

PUBLICATIONS FOR SALE, GIVE-AWAY, OR EXCHANGE; PUBLICATION ANNOUNCEMENTS

- * David W. Schmitt has trial field keys available for the asking.
- * Gluconic acid in California wines- re: Botrytis cinerea, available from Leo P. McCloskey.
- * Steven Pollock has published Magic Mushroom Cultivation, dated 1977, and has it available for \$5.50 postpaid, paperback perfect bound.
- * Boston Mycological Club, 855 Commonwealth Ave., Newton Centre, MA 02159 has for sale for \$2.00 postpaid "Occurrence of New England Fungi as reported by Club Members, 1964-1975". Their previous Club publications are also available at cost. Write them for details.
- * Margaret Barr-Bigelow's Mycologia Memoir #7, The Diaporthales in North America with emphasis on Gnomonia and its segregates, has been published by J. Cramer. It has 250 pp., 132 figures, 33 plates. Price to libraries is \$40 or DM 80, but MSA members can buy it for the special price of \$20. Order it from Lubrecht & Cramer, R.F.D. 1, Box 227, Monticello, NY 12701 or from J. Cramer, P.O. Box 48, D3306 Lehre, WEST GERMANY.
- * Marcel Locquin announces publication of his Manuel de Microscopie published in Oct., 1978 by Masson in Paris. He is also preparing Manuel de Mycologie Generale et Structurale, which he expects to publish in 1980.
- * Kenneth D. Whitney, Dept. of Biological Sciences, California State University, Chico, CA 95926, offers for sale, or exchange for Mycologia, American Journal of Botany, vols 35, 36, 37 (#1-4), 40 (#1 & 2), 54, 55, 56 (minus #9). Make him an offer.

- * Larry J. Littlefield and Michele C. Heath sent along an announcement of their Ultrastructure of Rust Fungi, coming in June, 1979 from Academic Press. It will be about 310 pp. and will include some 300 scanning and transmission electron micrographs.

- * Drew Studies #6, "Alternation of Generations and the Mode of Nutrition" by Robert K. Zuck is available in reprint form from the author.

- * Terry W. Johnson, Jr. inherited the late F.K. Sparrow's reprint collection and purchased many of his books. Terry is making the following amazing and generous offer:
 "I will provide on demand xerox copy of papers requested by individuals, provided the request is reasonable (not reproduction of entire books), and the "requestor" has found local library resources to be inadequate. I would give the copy free to graduate students and to any faculty who lacked the resources for copy costs. Naturally, I could not honor long shopping lists, but if someone wants copy of a few pages from rare books or from papers no longer available (and the collection has those items), I would be glad to prepare and send such copy. I know how frustrating it is to see a paper in some old, unfamiliar, obscure journal, and not be able to get that material quickly."
 The material includes papers on aquatic Phycomycetes, chytrids, and Saprolegniaceae, mostly of a taxonomic nature.

- * Alvin Funk would like to sell Can. J. Botany vols 44-54 and Trans. Brit. Mycol. Soc. vols. 42-65.

- * J.A. Parmelee will exchange for publications, books, or specimens:
 Mycologia vols 50-68 (v. 65 #6 missing).
 Can. J. Bot. vols. 44-48.
 Trans. Mycol. Soc. Japan: 3 # of vol. 10;
 11: 1-3; 12-16 complete and v. 17, #1.
 Abstracts of mycology v. 1: 1-3.
 Mycotaxon vols. 1-4 complete.

- * Don E. Ellis informs us that he can supply a limited number of free copies of Plant Pathology in North Carolina 1776-1976 (184 pp.) for departmental libraries.

- * Mel Fuller still can supply copies of the impressive book, Lower Fungi in the Laboratory, that was published by the Dept. of Botany, University of Georgia, in conjunction with the Mycological Society of America Workshop on Lower Fungi last summer. The book is dedicated to Professor Ralph Emerson and has as its purpose the encouragement of teaching these fungi with living organisms. In addition to the introductory material, pp. i-ix, there are 213 pages of directions for growing the fungi with about half of these pages being halftones of things the student will see in the laboratory. Persons desiring a copy of the book should send \$10.00 plus \$1.00 for postage and handling to the Department of Botany, Univ. of Georgia, Athens, GA 30602.

- * Gaston Guzman offers for sale the following (plus \$1 for mailing):
 - Liberta, A.E., 1969. Descr. of types of Corticiums descr. by Burt. Nova Hedwigia. \$3.
 - Major, A., 1974. Mushrooms, toadstools, and fungi. New York \$5.
 - Singer, R., 1976. Marasmiaceae. Flora Neotropica. \$15.
 - Miller, O.K. and D.F. Farr, 1975. Index of fungi of N.A. Cramer. \$10.
 - Darwiniana v. 16 (1&2), 1970. \$7.
 - Abstracts of Mycology v. 1 #1. \$8.
 - Pegler, D.N., 1972. Lentinae, Schizophyllaceae, in Flore Illurs. champ. Afrique. \$8.
 - Kleijn, H., 1962. Mushrooms and other fungi. Oldbourne, \$10.
 - Rinaldi, A., 1974. The complete book of mushrooms. Crown, New York, \$15.
 - Wilczek, L., 1967. Grzybow jest w brod. Warszawa. \$8.
 - Guzman, 1977. Identificacion de los hongos (comestibles venenosos, alucinantes, destructores de madera). Ed. Limusa, \$8.
 - Guzman, 1978. Hongos (186 laminas a colores de hongos comunes en Mexico). Ed. Limusa. \$7.

- * We have a letter from Walter Rossi in Rome to the effect that there are available at a low price many issues of Flora Italica Cryptogama, published from 1905 through 1934. They appear to cover Ascomycetes, Imperfecti, and Basidiomycetes. Complete sets run \$150, and each of the 17 Fascicles runs about \$13. Many of the issues were submerged during the flood in Florence, but are in "relatively good condition". He suggests that those interested write directly to Societa Botanica Italiana, Via Lamarmora 4, 50121 Firenze, ITALY.

- * The Farlow Herbarium reference library has a list of about 200 titles of reprints for distribution. Among them are papers by Farlow, Thaxter, Weston, Linder, and their students. Also available are lists of items for sale and exchange. To request the lists, write: The Librarian, Farlow Herbarium, 20 Divinity Ave., Cambridge, MA 02138.

- * Howard Schoen will give away free to an institutional library willing to pay shipping: American Journal of Botany and Mycologia volumes.

- * Grace M. Waterhouse announces publication of "Tabular key to the species of Phytophthora de Bary", by F.J. Newhook, G. M. Waterhouse, and D. J. Stamps. Mycological Papers no. 143, with three tables of characters and fully illustrated. It is obtainable from Commonwealth Agricultural Bureaux, Farnham Royal, Bucks. SL2 3BN.

- * James H. Ginns wishes to sell Mycologia v. 38-41, 44-63, Farlowia 3(1-4) and says that the price is negotiable.

- * Marcel Locquin would be more than pleased to send to anyone who is interested a complete list of publications available

on higher fungi, including books and separates.

- * Jim Trappe has several copies available on request of: Nikolaeva, T.A., Hydnaceous Fungi. English translation of Cryptogamic Plants of the USSR, v. 6, Fungi (2) 578 pp., 1961 (translated 1975). Skirgiello, A. Fungi: Boletales; 194 pp, 1960 (translation from Polish, 1975).
- * Vincent Demoulin would prefer to exchange, but would also sell for \$10 the following: Z. Pilzk. 9 (N.F.) fasc. 8 to 12 (1930). A.M. Oksner, Flora Lishajnikyik Ukrayini, Tom 2, 1966, 500 pp., 204 fig. (in Ukrainian, but well illustrated lichenological flora of Ukraine.)
- * John Walker will distribute a limited number of papers on Australian plant parasitic fungi and plant diseases.
- * L.R. Batra tells us that May, 1979 is publication date for proceedings of the IMC2 symposium on insect-fungus mutualism and commensalism, and Howard Whisler's lecture "Bugging the Molds". He is editor, and it will be a book, Insect-Fungus Symbiosis: Nutrition, Mutualism, and Commensalism. Publisher: Allanheld, Osmun, & Co., 19 Brunswick Rd., Montclair, N.J. 07042. 320 pp., \$27.50.
- * John H. Haines reports that the New York State Museum has some nearly complete sets of C.H. Peck's Reports. Contact him for details.
- * H. Iizuka announces that Emoto's Myxomycetes of Japan, edited by H. Iizuka was published by Sangyo Tosho Publishing Co., Ltd., 1-4-21, Sotokanda, Chiyodaku, Tokyo, Japan, in English. The editor might add that he decided to try to obtain this book soon after the IMC2. After a year of protracted negotiations and payment of \$150 he finally obtained one. Others wishing to try this might expedite matters by dealing directly with the publisher, listed above, or with the Tokyo office of the Japan-American Publications Trading Company, P.O. Box 5030, Tokyo International 100-31, JAPAN.
- * Howard Harding wishes to exchange for pre-1966 volumes of Mycologia: Mycologia v. 59-64; v. 65 #1, 3; Can. J. Botany v. 46-51 (missing v. 49 #4).
- * Bryce Kendrick is taking advance orders for "The Whole Fungus", proceedings of Kananaskis II, with 28 chapters and over 800 pp. Price is expected to be less than \$20, and publication date is early Spring 1979.
- * Roger Goos will sell or exchange Applied and Env. Microbiol., v. 29-34, unbound, in good condition.
- * Garry Cole and Robert Samson announce the impending publication in March, 1979, of their "Patterns of Development in Conidial Fungi", from Pitman Publishing, Ltd., 39 Parker St., London WC2B, England, 336 pp., about \$50.

- * Bryce Kendrick has asked that I correct the misimpression that I left in the June Newsletter that the drawings in "Icones Generum Coelomycetum" are by him. They are not. They are in fact by G. Morgan-Jones and T.R. Nag Raj, with a few by F. DiCosmo.

PUBLICATIONS WANTED

- * John Walker requests any papers on taxonomy of fungi, especially micro-fungi.
- * Vincent Demoulin would like to acquire any volumes of Z. Pilzk, from 10 (NF) to 33, except 23, 19, and 31.
- * Marcel Locquin would like to purchase Ridgway, 1912, Color standards and color nomenclature.
- * Gaston Guzman would like Trans. Brit. Mycol. Soc. vols. 33,38,39, 40, and 43.
- * Kenneth D. Whitney, Dept. of Biol. Sci., California State Univ., Chico 95926, needs publications on Myxomycetes, and Kudo, 5th edition of Protozoology.
- * Edmond R. Badham, Biology Dept., Lehman College, Bedford Park, Bronx, NY 10468 wants Cunningham, Gasteromycetes of Australia and New Zealand (1944), and Smith (1951) Puffballs and their allies in Michigan.
- * C.W. Hesseltine would like to receive papers dealing with all aspects of Mucorales and mycotoxins.
- * William R. Burk appreciates receiving reprints on Gasteromycetes.
- * G. W. Moorman needs Agricultural Handbook #165, the USDA Index of Plant diseases in the U.S. It is needed for a commercial floral and vegetable crop disease diagnostic lab.
- * D. V. Narendra would like research publications related to all aspects of Pseudo-peronospora cubensis, and publications on seed pathology.
- * Russell Heblack wants to buy Manual of the Rusts of the U.S. and Canada, by J.C. Arthur (the Hafner reprint is acceptable), and a set of The Fungi, by Ainsworth, Sparrow, and Sussman.
- * Carl B. Wolfe, Jr. would like to purchase a copy of the Mycology Guidebook, edited by R. Stevens; it is now out of print.
- * James A. Saunders, Dept. of Botany, Miami Univ., Oxford, Ohio 45056 needs to buy a copy of F.K. Sparrow's Aquatic Phycomycetes, 2nd ed., 1960.
- * Louis Rioussset needs G.H. Cunningham's The Gasteromycetes of Australia and New Zealand.
- * John A. (Tony) Fernandez wants to buy G.W. Fischer and C.S. Holton, 1957, Biology and Control of the Smut Fungi, 622 pp,

Ronald Press, NY; and G.W. Fischer, 1953, Manual of North American Smut Fungi.

- * Harold Keller needs reprints of articles on Myxomycetes from before 1950 and vols. 34 to 42 of Mycologia.
- * Joe Ammirati wants to buy The Fungi vols I, II, & III, Ainsworth and Sussman.
- * Don C. Prusso wishes to buy G.H. Cunningham, 1942, Gasteromycetes of Australia and New Zealand.
- * Brian S. Luther needs: Ames, L.M., 1963. Monograph of the Chaetomiaceae, U.S. Army Res. & Dev. Ser. #2; Arthur, J.C., 1934, Manual of the Rusts in the U.S. and Canada; Raper, K.B. et al., A Manual of the Penicillia, Williams & Wilkins.
- * Royall T. Moore needs Wolf and Wolf, The Fungi.
- * S. Zachariah would like to receive Ecological, Pathological, Taxonomic papers and other publications in mycology. He hopes for complimentary copies, being in India.
- * Dean Glawe wants to buy Anders Munk's Danish Pyrenomycetes and Dennis's British Ascomycetes.
- * Peter Jeffries would like to receive papers on aspects of mycoparasitism.
- * J.K. Misra is interested in acquiring books on aquatic fungi, particularly Sparrow's Aquatic Phycomycetes.
- * David Padgett wishes to buy Terry Johnson's The Genus Achlya.

PLACEMENT: POSITIONS AVAILABLE

* Real jobs or post-docs:

The University of Wyoming will be hiring a plant or fungal physiologist for teaching and research responsibility in the Dept. of Botany at Laramie, to begin in August, 1979. For more information, contact the Search Committee, Dept. of Botany, University of Wyoming, Laramie, WY 82071. Closing date for applications is February 1, 1979.

There is a tenure-track position for a Ph.D. mycologist with interests in Asco- and/or Basidiomycetes. Contact Dr. C.R. Dillon, Botany Dept., Clemson Univ., Clemson, SC 29631. Phone 803-656-3452.

Jan Kohlmeyer is seeking a marine mycology research technician. Will include culture, herbarium, and photographic work. Contact him at Univ. of North Carolina Inst. of Marine Sciences, Morehead City, NC 28557.

David McLaughlin, Univ. of Minnesota, St. Paul has a postdoctoral position for a person familiar with EM techniques, to study ultra-structural approaches to the evolution and systematics of Basidiomycetes. Contact him at Dept. of Botany, Univ. of Minnesota, St. Paul, 55108.

There is a postdoctoral position, funded by an NIH Training Grant, in medical mycology. Contact either Smith Shadomy or Paul Phibbs, Microbiology, Medical College of Virginia, VCU, Richmond, VA 23298. Phone 804-786-9712 or 804-786-9728.

The Dalldorf postdoctoral fellowship in medical mycology, of two years' duration and paying \$15,000 annually, is available beginning July, 1980. The purpose of the fellowship is to encourage outstanding young persons to establish careers in medical mycology. It is funded by the Brown-Hazen Committee of the Research Corporation. Preference is given to individuals with the M.D. degree, but it is open to any postdoctoral trainee. Applications are due March 31, 1979. Request forms from: Dr. Theodore E. Eickhoff, Office of the Secretary, Box B168, Univ. of Colorado Medical Center, Denver, CO 80262.

USDA-SEA-AR Insect Pathology Research Unit is searching for 2 Ph.D. mycologists to join a research team developing Entomophthora sphaerosperma as a mycoinsecticide for spruce budworm control. A fungal physiologist is required to investigate methods for resting spore production and germination. A fungal geneticist will be concerned with strain improvement for increased virulence and industrialization. The appointment as Postdoctoral Research Assistants will be for one year with possibility of up to 3 years renewal pending availability of funds. Salary is \$12,500 for the first year. Starting date May 1, 1979. Send resume to R. Soper, USDA Insect Pathology Research Unit, Boyce Thompson Institute, Cornell University, Tower Road, Ithaca, NY 14853 (tel. 607-257-2030).

Every year we receive notices of NSF and National Research Council postdoctoral fellowships, and the deadlines are inevitably too near the time the Newsletter is prepared to be very useful to the reader-ship. We recommend that anyone interested in applying for one of

these fellowships write the Fellowship Office, National Research Council, 2101 Constitution Avenue, NW, Washington, D.C. 20418 for the program announcements, so that they can meet the November and January deadlines for these awards. The same applies to Graduate Fellowships.

- * Pre-doctoral and/or graduate assistantships and fellowships are available at the following institutions for graduate study. Contact the person listed for applications and information.

University of Minnesota -- David J. McLaughlin
University of Saskatchewan, in taxonomy/genetics and physiology of low temperature tolerant fungi (snow molds)- R.A.A. Morall.
Ohio University, Athens, Ohio - Charles Miller, or Graduate Chairman.
University of Wisconsin, for work on physiological aspects of morel mycelium in culture - Thomas J. Leonard.
University of Vermont, in molecular or classical genetics -Robert C. Ullrich.
University of Minnesota, in Taxonomy and Ecology of Mycorrhizal Basidiomycetes - Elwin Stewart.

See also NSF-NRC notice under Postdoctorals above.

Texas Tech University - Caryl E. Heintz, working on nematode-trapping fungi.

Humboldt State University (Arcata, California) - David Largent

University of California, Santa Barbara- Ian K. Ross.

University of California, Berkeley - O.R. Collins

Indiana State University - Jean Schoknecht.

University of Florida, Gainesville, - J.W. Kimbrough.

University of Texas at El Paso - G.W. Robertstad

State University of New York at Syracuse - C. J. K. Wang, working on wood-decay fungi on pressure-treated southern pine poles.

Northern Arizona University, working on mycophagy and soil fungal ecology - Jack States.

University of Nevada, Reno - Don C. Prusso.

University of Rhode Island - Roger D. Goos.

We would also remind graduate students of the MSA Fellowships and the Society's Research Prize. Contact MSA Secretary Harry Thiers for details.

- * Positions wanted:

Richard A. Humber, Ph.D., 1975, Univ. of Washington under H.C. Whisler. Currently post-doc with R.S. Soper at Boyce Thompson Institute studying entomopathogenic fungi. Seeks research and/or teaching position. Teaching competence in introductory biology, botany, mycology. Research in systematics and development/cytology of entomogenous fungi. Current address is Boyce Thompson Institute, Tower Rd., Ithaca, NY 14853.

William L. Bigg, Ph.D., March, 1979 with Ian Alexander, Univ. of Aberdeen (Scotland), nitrogen relations of mycorrhizal conifers. Seeks postdoc or other research/teaching. Current address: 334 Osceola, Ottumwa, IA 52501.

David G. Pechak, Ph.D., 1977, Ohio University with Charles Miller, working on developmental ultrastructure of the aquatic phycomycete Chytrium hyalinus. Seeks faculty or research position in mycology or developmental biology starting June, 1979. Now completing 3rd year postdoctoral at Bowling Green State Univ. with Richard Crang on EM (SEM, TEM, HVEM) of effects of heavy metals on the imperfect fungus Aureobasidium pullulans. Current address: Dept. of Biol. Sci., Bowling Green State Univ., Bowling Green, Ohio 43403. Phone 419-372-2332.

Ian C. Hallett, Ph.D., Univ. of Reading (England) with Michael Dick on aquatic Oomycete ecology, physiology, and ultrastructure. Presently finishing a temporary lecture post at Auckland, N.Z. Interests in fungal ecology, saprophytes and parasites, ultrastructure, physiology. Experience in teaching wide range of botanical topics. Present address: Dept. of Botany, Univ. of Auckland, Private Bag, Auckland, New Zealand.

Bruce D. Ryan, M.S., summer, 1979 with Fred Rhoades at Western Washington State at Bellingham, Wash., 98225. Seeks job as biological illustrator or research assistant. Interests in symbiosis, lichens, plant pathology. Contact at above address.

Linda B. Travland, Ph.D., Univ. of Washington with Howard Whisler. Seeks research/teaching position. Experience in EM technique instruction; has publications. Dissertation topic: Fine structure of spores and initiation of infection of mosquito larvae by Coelomomyces psorophorae. Contact at Dept. of Botany, Univ. Washington, Seattle, WA 98195.

Gary Frank Leatham, finishing Ph.D. in June, 1979, with M.A. Stahmann at Univ. of Wisconsin. Seeks postdoctoral, academic or industrial research position. Interested in physiological and biochemical aspects of fruiting in basidiomycetes. Dissertation on Lentinus edodes (Shiitake) including: an ectohormoid fruiting substance, nutritional and trace elements, pH, aeration, light, phenoloxidase localization, experience with EM, and utilization of waste lignocellulosics for production of commercial quality mushrooms. Contact at Dept. of Biochem., Univ. of Wisc., Madison 53706.

Raul Ferreira, M.S. in Biological Sci., seeks research assistant or naturalist position. Interest in insect-fungus relationships such as Staphylinidae-Amanita. Contact at 17 Oak St., Stonington, CT 06378.

Kerry O'Donnell, Ph.D., 1975, Michigan State University, 2 year post-doc at Northern Regional Laboratory at Peoria. Interests: Mucorales, scanning EM, TEM, Ascomycetes, morphology. (Kerry won the Alexopoulos Prize in 1978). Contact at Center for Electron Optics, Mich. State U., East Lansing 48824.

William Porter, M.S. expected June, 1979. Interests in taxonomy and ecology of mosses, lichens, and higher plants, particularly grasses, trees, chaparral, and rangeland. Contact at Botany Dept., California State Univ., Fresno, CA 93740.

Kwon S. Yoon, Ph.D. expected Summer, 1979 with David McLaughlin at Minnesota. Interest: ultrastructural and cytochemical work in Basidiomycetes. Contact at 220 Biol. Sci. Center, Univ. of Minn., St. Paul, MN 55108.

Howard Schoen, Ph.D., 1975. Seeks employment in industry. Experienced in metabolism, electrophysiology, biochemistry, & electronics. Contact at Dept. of Ophthalmology, Mt. Sinai School of Medicine, NY 10029.

Leo P. McCloskey seeks consulting on vineyard and wine mycology. DBA S.C. Ag chemistry. Contact at 126 National St., Santa Cruz, CA 95060.

Narendra V. Dodderi - B-29,641, Cite Lavegerie, EL HARRACH, Alger., ALGERIE. Interested in jobs involving research in Physiology of Fungi, Physiological basis of plant diseases, Biology of Entomogenous fungi, Biological control, Cell biology and Biochemistry of fungi and diseased plants. Particular interest in seed pathology. M.Sc and Ph.D. in Mycology & Plant Pathology, 1971, 1975, from Bangalore University and Poona University respectively (India). Ph.D. with Prof. M.N. Kamat. Also interested in teaching Botany with special reference to Mycology and Plant Pathology.

ABOUT PEOPLE

* Changes in Affiliation

Kenneth Conway became supervisor of the Plant Disease Diagnostic Laboratory at Oklahoma State University in August, 1978.

Robert A. Fromtling has accepted a postdoctoral position at the Robert Koch Institute in West Berlin. He will continue his research as a member of the Mycology Group under the direction of Prof. Dr. F. Staib. He begins Jan. 1, 1980.

Steve Newell has moved from the University of Miami to the University of Georgia Marine Institute, Sapelo Island as of February, 1979.

Paul E. Powell joined Paul Szaniszló's group in December, 1977 as a research associate. He will present a course in medical mycology during the Fall semester of 1978 and continue working in Szaniszló's lab through 1979.

Carlene Raper has moved from Research Associate at Harvard University to Assistant Professor of Biological Sciences at Wellesley College, Wellesley, Massachusetts.

As part of the USDA's reorganization, four agencies, the Agricultural Research Service, the Cooperative States Research Service, the Extension Service, and the National Agricultural Library have been combined into a single agency, the Science and Education Administration. Under the new organization, the old ARS is now known as the "Federal Research" portion of SEA, abbreviated as SEA/FR.

J. N. Rai has been appointed Professor of Botany (Mycology and Plant Pathology Laboratory), Lucknow University, Lucknow, India.

Rosely Gomes da Silva joined the mycological staff of the Instituto de Botanica in São Paulo, Brazil.

John Fletcher, formerly of University College, Dublin has been appointed to a lectureship in the Dept. of Botany and Microbiology, the University of Witwatersrand, Johannesburg, South Africa.

Carl B. Wolfe, Jr. has accepted a position as Assistant Professor of Biology at the Mont Alto campus of the Pennsylvania State University.

* Travels, visits, meetings attended and papers presented

Tom Booth from the University of Manitoba spent his sabbatical leave at the Instituto de Botanica at Sao Paulo, with A.I. Milanez. He worked with the marine fungi of Sao Paulo State.

Paul Szaniszló, after presenting an invited paper at the Munich XII International Congress of Microbiologists, participated in the Seventh Congress of European Mycologists at Budapest.

Recent visitors to the Mycology Section at the Biosystematics Research Institute at Ottawa included: Robert Prange of Nova Scotia Agricultural College; Christopher Lucarrotti, McGill University Montreal; Tran Tuan Ank, Ambassador of the Socialist Republic of Viet Nam; Ian Reid, N.R.C., Prairie Research Lab, Saskatoon; members of the Cercle Mycologue Montreal; J.G. Y de Jong, Amsterdam; R. Archambault, A. Gallant, C. Frigeau, and Raymond McNeill of the Institut Botanique Université de Montreal; Angelica Arambarri, Institute L.P. Spegazzini, Argentina; S. Guttman, B. Gray, W.E. Sackston, Macdonald College, McGill University, Ste. Anne de Bellevue; and Jean Clark, Forest Products Laboratory, Vancouver, working with J. H. Ginns.

Donald Barr visited Larry Olson and Lene Lange at Copenhagen following the Congress of Microbiology in Munich in September.

Doug Savile was a main speaker in the symposium "Parasites as Plant Taxonomists" at the University of Uppsala, Aug. 25-27, 1978, commemorating Carl von Linné, 1707-1778, Carl Peter Thunberg, 1743-1828, and Elias Fries, 1794-1878. This stimulating program had a large mycological content. The proceedings are to be published.

Juan Luis Lequerica Llopis of the Instituto de Agroquímica y Tecnología de Alimentos, Valencia, Spain is spending a year at the Western Regional Research Lab in California with Ralph Kurtzman, studying the degradation of lignin in agricultural wastes by Basidiomycetes.

Last May, Ralph H. Kurtzman, Jr. visited mycologists, plant pathologists, and other scientists who have been studying mushroom culture, on his way to the X^o Congrès International sur la Science et la Culture des Champignons Comestibles, in Bordeaux and Paris, France. In New Delhi he visited Dr. Sarbhoy, who is in charge of the herbarium and Dr. Kapoor, who is in charge of their fungal type culture collection, and Dr. Chenulu, Head of the Department of Mycology and Plant Pathology, all at the Indian Agricultural Research Institute. He visited Drs. Maheshwari and Mahadavan at the Indian Institute of Science in Bangalore. They have been doing research on thermophilic fungi and on Cuscutta. At the Punjab Agricultural University, Ludhiana, he visited Dr. Garcha and other members of the Department of Microbiology. Dr. Garcha has been

studying the cultivation of Volvariella and other mushrooms. Other members of the Department have been interested in developing "wines" from local produce. They have produced a very palatable ginger "wine" with a very pleasant aroma. In Lahore, he visited Dr. Iqbal at the University of the Punjab and the entire staff of the PCSIR Laboratories, but particularly Dr. F.H. Shah. Dr. Iqbal has been studying the taxonomy of the higher fungi of the Punjab. Dr. Shah has been studying the conversion of cellulosic industrial wastes to animal feeds with lower fungi and has begun to study the use of mushrooms to convert the industrial wastes. At the University of Agriculture, Fasailabad, Dr. S.M. Khan, Dept. of Plant Pathology and Dr. D.A. Khan, Department of Horticulture, have been studying the cultivation of a variety of mushrooms and other higher fungi. In Delhi, Ludhiana, Lahore, and Fasailabad, Kurtzman gave a seminar on nitrogen fixation by mass culture of Pleurotus. The same topic and two other papers were also presented at the meeting in France. The meeting in France was attended by several other members of MSA as well as scientists and growers from throughout the world.

Ulric Gisi, from the University of Basel, Switzerland is spending 6 months with George Zentmyer studying the effect of matric potential on sporangium production by Phytophthora cinnamomi and other species, and the relation of turgor pressure to indirect germination of sporangia of species of Phytophthora.

Fred Bartter of NIH and Burt Berkson of Mt. Sinai Hospital in Cleveland presented invited papers on treatment of delayed mushroom poisoning at the International Amanita Symposium in Heidelberg, Germany on Nov. 1-3, 1978.

Jim Dodd presented a paper on "The Photosynthetic Stress-Translocation balance Concept of Sorghum Stalk Rots" at an ICRISAT Conference in Hyderabad, India.

Chester Benjamin was the US delegate to the 15th FAO Regional Conference for Latin America and ECLA/FAO Technical Meeting on Rural Social Development in Latin America held in Montevideo, Uruguay on Aug. 9-19, 1978. He also was a member of the US Delegation at the 9th US-Japan Conference on the Development and Utilization of Natural Resources held in Tokyo Oct. 25-26, 1978. He has been named to the US delegation which will participate in the 74th session of the FAO Council to be held in Rome Nov. 27-December 8, 1978.

Rolf Singer visited CEPLAC, Itabuna and the cacao-growing region of S. Bahia and Rondonia, Brazil. He was visited at Manaus by Richard Schultes from Harvard and R.T. Guerrero of Universidade de Rio Grande de Sul. He gave a seminar on "Oectotrofo nos Neotropicos" at INPA in July, and received the Diploma de Honra ao Merito at INPA in January, 1978. Earlier, Singer was visited by Leda-Maria Melindez-Howell of Paris and Rosa T. Guerrero of Porto Alegre.

Cletus Kurtzman presented an invited paper on culture preservation at the XII International Congress of Microbiology in Munich in Sept. On July 1, 1978, he began a 2-year term as president of the U.S. Federation of Culture Collections. He has also been appointed Adjunct Professor of Mycology in the Dept. of Biological Sciences, Illinois State University, Normal, Illinois.

Libero Ajello made consultation trips to Costa Rica and Jamaica on behalf of the Pan American Health Organization.

Don Wicklow recently visited George Carroll in Oregon for the purpose of final editing of their text "The Fungal Community: Its Organization and Role in the Ecosystem" to be published by Marcel Dekker, NY/Basel in 1979.

Frank DiCosmo from Bryce Kendrick's lab at Univ. of Waterloo in Canada is now in Texas through March on a NATO Grant to work with Garry Cole on a joint Coelomycete project. Dr. Cole presented a paper "Applications of ultrastructure to fungal systematics" at a symposium on contributions of EM to systematics at the joint meeting of the American Microscopical Society and the American Society of Zoologists at Richmond, VA Dec. 27-30, 1978. He is also scheduled to give a paper in a symposium at the joint ASM US-Japan meeting in Honolulu in May, 1979.

Janet Gallup presented papers at the American Academy of Allergy in Phoenix in February, 1978, to the American College of Allergists in Las Vegas, April, 1978, and a one day seminar to allergists sponsored by the Los Angeles Society of Allergy and Clinical Immunology on Sept. 24, 1978.

Terry Hammill presented a paper in a symposium on Trends in Fungus Taxonomy at the XII International Congress of Microbiology in Munich in September.

Orson Miller went to Edinburgh in September to visit Roy Watling at the Royal Botanic Garden. While in Europe, he led the NAML Scandinavian Foray in August and collected in Denmark, Sweden, Finland, and Norway. He lectured at the IV Nordic Mycological Congress in Finland, to the Texas Mycological Foray at Houston, and at the Plant Pathology Department at California-Riverside during the Fall.

G. B. Ouellette presented a poster on ultrastructure of Dutch Elm Disease at the Plant Pathology Congress at Munich in August. He also visited E. Müller at the Swiss Federal Institute in Zürich and gave a seminar there. After returning to Montreal, he presented work to the University of Montreal in November.

Also in Munich for the Congress was F.W. Holmes, who spoke there on Elm phloem necrosis disease, and to the Elm working group of the International Union of Forestry Research Organizations on compatibility types of Ceratocystis ulmi.

C.J. Alexopoulos spoke on "Myxomycetes" to the Biology Dept. of Central Michigan University and on "Fungi and Human Affairs" to the Sigma Xi Club at the same institution on Nov. 1, 1978.

Arthur Welden spent summer, 1977, in Mexico collecting tropical fungi with Gaston Guzman.

Angelica Arambarri has just returned to Argentina after spending a year in Bryce Kendrick's lab at Waterloo. Her visit was sponsored by the NRC of Argentina and was reportedly enjoyed by the mycologists at Waterloo.

K.A. Malik of Pakistan visited L.R. Batra at Beltsville for a

month in July to work on cellulolytic fungi.

Nickolas Malajczuk of CSIRO of W. Australia is with Jim Trappe on a 1 year sabbatical. Jim was also called on by Walter Sundberg in Oct.-Nov. and David Farr in December.

D.H. Pfister spent 1 month in Denmark collecting and working on Pezizales with Henry Dissing at the Institute for Sporeplanter in Copenhagen. He also attended the Danish Mycological Contress.

Hans Gruen is in Japan on sabbatical leave from the University of Saskatchewan for the year 1978-79.

Ian Ross presented seminars in the Biology Department of Texas Christian University at the invitation of LaJean Chaffin, and at the Biology Department of California State University at Fullerton, at the invitation of Judy Kandel. He spoke on an infectious virus that inhibits meiosis in Coprinus congregatus.

The American Chemical Society visited Ridge Vineyards in California on July 21 for a winery tour.

S. Zachariah and K.M. Leelavathy attended a workshop on taxonomy of larger fungi presented by Roy Watling and T.S. Thind at Srinagar, India.

Harold Keller participated in a workshop for the Conference of Ohio Biology Teachers on "The Use of Fungi in Teaching and in Field Laboratories".

C.W. Hesseltine on Nov. 22, 1978 presented the plenary address at the Fall meeting of the British Chemical Society in London. He spoke on "Fermented Foods".

In September, E. Hacskaylo presented an invitational lecture at a meeting on mycorrhizae in Uppsala and then attended a joint meeting of the International Union of Forest Research Organizations and the French Group for Root Studies in Nancy, France. He co-organized the latter.

* Awards, honors, etc.

Leo McCloskey was made Vice-President of Felton-Empire Vineyards.

Bryce Kendrick is currently serving as chairman of the Natural Sciences and Engineering Research Council of Canada Plant Biology Grant Selection Committee.

F.W. Holmes received the Outstanding Professor award by vote of students of the Stockbridge School of Agriculture, Arboriculture, and Park Management at the University of Massachusetts for the second time in four years.

Libero Ajello was named the recipient of the 1978 P.R. Edwards award at the Tallahassee meeting in November of the Southeastern Branch of the American Society for Microbiology.

Pramod K. Gaur received a scholarship grant for the academic year 1977-78 from the Rama Watumull Fund of Hawaii to continue

graduate studies in medical mycology at the University of Kansas.

L.R. Kneebone was just elected as the first and only American in 24 years into honorary life membership in the Canadian Mushroom Growers Association, Ottawa, Ontario.

Raymond Scheetz has received the "Excellence in Teaching" award for 1977-78 at the University of Southern Mississippi.

Aristotle Domnas received the \$1000 Tanner Award at the University of North Carolina at Chapel Hill for excellence in inspirational teaching.

Barry B. Hunter of California State College, in Pennsylvania, was among 21 recipients of the Distinguished Faculty Awards in the Pennsylvania State College System. He was cited for "scientific research, scholarly writings, biological paper presentations, grant awards, directions of student research, and active participation in local, state, and national committees."

On Oct. 14, C.W. Hesseltine was given the Pasteur Award by the Illinois Society for Microbiology, meeting in Chicago. The award is for outstanding contributions to the science of Microbiology. His keynote address was entitled "Thirty years of adventure with the fungi."

Edward Hacskaylo was elected a Fellow of the Explorers Club in New York.

The North American Mycological Association has presented its award for contributions to amateur mycology to Samuel S. Ristich of Ithaca, NY.

The first annual Alexopoulos Prize for 1978 was awarded at the Athens meetings in August to Kerry O'Donnell for his ultra-structural studies of fungi. Dr. O'Donnell writes that he is "deeply honored for having received this award and I would like to thank...the Mycological Society of America".

Marvin Williams has been promoted to Professor of Biology at Kearney State College in Nebraska.

* Births, Deaths, Retirements, and other landmarks

Ray Scheetz announces the birth of a son, Raymond Wayne Scheetz, Jr., on Sept. 27, 1978.

L. R. Kneebone retired on Oct. 1 from Penn State, and is now Professor emeritus of Botany and Plant Pathology. He will continue as consultant to the mushroom industry.

William Henry Weston died in Cambridge, Massachusetts this summer and a memorial service was held in the Memorial Church, Harvard Yard, on Oct. 5. An obituary will appear in Mycologia.

A.R. Teixeira has retired as Director General of the Institute of Botany of Sao Paulo, Brazil. He is now coordinator for the Flora Program of the Brazilian National Research Council in Brasilia.

A daughter, Natalie Elizabeth, was born to John and Becky Paden on June 14, 1977.

A baby boy was born May 20, 1978 to Marcia and Richard Howard (Wicklow).

S.E. Carpenter and E.F. Joyal married on the autumnal equinox, 1978.

A boy named David Kenneth was born to Diane and Tony Fernandez on June 25, 1978.

D.M. Dring died on July 26, 1978 at the age of 46. D.A. Reid wrote us the news.

MISCELLANY

The address for the Japan American Publications Trading Co. mentioned above under Publication Announcements, Books for Sale, etc., is P.O. Box 5030 Tokyo International, Tokyo 100-31 Japan. They sell Emoto and Iizuka's Myxomycetes of Japan (\$150).

C.J. Alexopoulos is coauthoring the 4th edition of Morphology of Plants (To be renamed Morphology of Plants and Fungi) with Harold Bold and Theodore Delevoryas.

Janet Gallup would like to hear from others involved in investigations of antigenic cross-reactivity of mold spores and/or purification and extraction of antigenic materials from mold spores.

A new informal international publication concerned with sensory phenomena in microorganisms will begin publication in Fall, 1978. Called Microsensory Newsletter, it will accept brief reports, abstracts, announcements and other items of interest to scientists working in this area. It will be quarterly and will cost \$4 per year. Order or request further information from I. Richard Lapidus, Editor, Microsensory Newsletter, Stevens Institute of Technology, Hoboken, NJ 07030.

E.H.P. Garneau writes that the Royal Society of Canada has just discovered 70 copies of Buller's Researches on Fungi, Vol VII The Sexual Process in the Uredinales. Published in 1950 by University of Toronto Press for the Royal Society of Canada (The first six volumes were published by Longmans; Green), the books can be ordered for \$25.00 from E.H.P. Garneau, Executive Secretary, Royal Society of Canada, 344 Wellington, Ottawa, Ontario, K1A 0N4, Canada.

Robert K. Zuck has been authorized to establish a botanical garden on land recently acquired by Drew University adjacent to the campus in New Jersey. He is looking for contributors.

Royall T. Moore sent us a new book information sheet from Canada Books International, a Division of University of Toronto Press. The sheet listed a new book by H.J. Brodie called Fungi: Delight of Curiosity. The reader is told at the end of the book description that Professor Brodie is the author of THE BIRD'S NEXT FUNGI!!!

S. Zachariah is willing to collect specimens of fungi from Kerala (India) for members requesting this.

A directory of scientists currently interested in all entomogenous fungi except the Entomophthorales is being compiled by Donald W. Roberts and A.A. Evlakhova. They will appreciate receiving (a) names, (b) addresses, and (c) very brief (less than one sentence) descriptions of the research interests of any persons who wish to be included. They also would appreciate receiving information on scientists you think might be missed in such a list because they have not appeared in previous directories of insect pathologists, are new to the field, work in out-of-the-way localities, etc. Please send the information to Boyce Thompson Institute, at Cornell University, Tower Road, Ithaca, New York 14853 (Roberts) or All-Union Institute of Plant Protection, Leningrad-Pushkin, USSR (Evlakhova).

A new organization which will emphasize the culinary aspects of North American truffles and truffle-like fungi is being formed to determine edibility of specific species. Jim Trappe will be scientific advisor. For information write Anthony B. Walters, 720 Manor Way, Lebanon, OR 97355.

NSF has recently established new limit of 15 pages for the project description in grant proposals submitted to them. A statement of the new policy, which is effective immediately, appears in the new edition of Grants for Scientific Research.

Clark Rogerson recently sent me a letter from a person in Turkey who has 150 species of microfungi that he wants identified. I gather that Clark does not want to do this himself and so we publish herewith the name and address so that MSA members may respond: As. Ismet Hasenekoglu, Ataturk Universitesi, Temel Bilimler ve Yabancı Diller, Yuksek Okulu, Botanik Bolumu, ERZURUM, TURKEY.

Roger Goos, our MSA representative to the American Type Culture Collection, sent along a news item to the effect that the ATCC has just been awarded a grant of \$430,000 from the National Cancer Institute to support the addition of new space and alteration of existing space to enable ATCC to better maintain and house cell lines, space for journals, storage for shipping, and space for cryobiology and fermentation studies. New basic research laboratories and media preparation areas will also result. ATCC maintains more than 25,000 strains of bacteria, cell lines, viruses, fungi, protozoa, and algae. It has a staff of just over 100. Inquiries for additional information should be addressed to Richard Donovan, Director, 12301 Parklawn Dr., Rockville, MD 20852.

James B. Anderson, recipient of the society's Graduate Fellowship writes: "I thank very much all of the members of the Society for the MSA Graduate Fellowship awarded to me this summer. The fellowship has provided a welcome financial boost to my graduate program at the University of Vermont and I greatly appreciate the vote of confidence in my work!"

William Bridge Cooke is absolutely desperate to receive lists of

fungi collected on the 1976 Louisiana and 1978 Georgia MSA forays. Please help Bridge by sending your data to him. The Mycologia publications he produces about these forays are useful to all of us.

Terry Hammill, who has been doing yeoman service as chairman of the MSA Sustaining Membership Committee, could use names of people who handle this kind of thing in companies. It sometimes helps to ask your local representative of a company who might be approached for sustaining membership in our society. Please help Terry continue his very successful work on this committee.

Franc Grum, of Eastman Kodak, has written me in his capacity as chairman of the Munsell Color Foundation Fund Drive. This foundation makes grants to libraries and universities to support color research and publications dealing with color. MSA members wishing to participate in this drive can write him at Research Laboratories Bldg. 82, Eastman Kodak Co., Rochester, NY 14650.

We understand that Ian Ross is forming a company to produce T-shirts with the following slogans: "(1) Mycologists do it perfectly. (2) Imperfect mycologists can't do it. (3) Physarum people do it in synchrony". I have reason to doubt the credibility of my source, however, so I suggest you write Dr. Ross for confirmation before ordering one of these!

The Research Corporation announces the end of the Brown-Hazen Grants Program, due to the expiration of the nystatin patent which financed the program.

We remind MSA members of the competitions for the MSA Fellowships and for the Alexopoulos Prize (for research in Mycology). Anyone who missed or overlooked the mailing on these this Fall can request information from Secretary Harry Thiers.

* Feedback concerning a Mycologia book review:

Dr. Emil F. Guba, Commonwealth Professor Emeritus of Plant Pathology and Mycology at the University of Massachusetts, has acquainted the MSA Council of his disappointment and offense at the brief note his second edition of "Wild Mushrooms, Food and Poison" received in Mycologia 70: 704, May-June 1978. The book has XII and 186 pages, with 27 plates, bibliography, glossary, and index, and is sold by Pilgrim Publishers, Kingston, Massachusetts 02364. Dr. Guba has written the editor of this Newsletter pointing out that the brief mention of his book is more than offset by favorable comments by other mycologists and medical doctors who have purchased his book, and by reviews in the Boston Mycological Club Bulletin, March, 1978, and recently in the Mycophile XIX; no. 5, 1978, p. 3, the North American Mycological Association Newsletter. He feels that members of the Mycological Society of America should know of the generally favorable comments his book has received from these other qualified sources. Those comments and its \$7.95 price make it worthy of consideration by the serious amateur or professional mycologist or laboratory, the medical profession, and hospital and medical school libraries, whose assistance and resource literature were used in the preparation of the book and clearly identified throughout the twenty-two chapters of the book.

THE MYCOLOGICAL SOCIETY OF AMERICA

Application for Membership

Name _____

Mailing address _____

_____ ZIP _____

Do you desire to be Regular, Student, or Associate Member?

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

Signature of a member endorsing your application _____

Any person interested in the study of fungi is eligible for membership. Annual dues of Regular Members are \$15.00. A special annual rate of \$8.00, for a maximum of 5 years, is provided for a member enrolled as a student. Regular and student members receive MYCOLOGIA and the MSA NEWSLETTER, may participate fully in the annual meeting, may submit papers for publication in MYCOLOGIA, and may vote and hold office in the Society.

Annual dues for Associate Members are \$5.00. These members receive the MSA NEWSLETTER and may present one paper at the annual meeting of the Society. They do not receive MYCOLOGIA or have other privileges of membership (Information about Life Membership may be obtained from the Secretary-Treasurer.)

Membership may begin either on January 1 of the current year or on next January 1.

Mail this application along with a check, money order, or bank draft in U.S. Funds covering the first year's dues to:

Dr. Harry D. Thiers
Dept. of Biology
San Francisco State University
1600 Holloway Ave
San Francisco, CA 94132 USA