

R. D. Goos

Mycological Society of America

NEWSLETTER



Herbert Hice Whetzel (1877-1944)

Eighth President of the Society, 1939

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MYCOLOGICAL SOCIETY OF AMERICA NEWSLETTER

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June, 1969

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The Mycological Society of America

Founded December, 1931

Office of the President

The New York Botanical Garden
Bronx, New York 10458

July, 1969

To fellow members of MSA:

May I again remind each of you that no annual meeting of the Society will be held during 1969. At the Ohio (1968) meetings the Board of Councilors decided not to hold a meeting with AIBS in 1969 so that members would be free to attend the XI International Botanical Congress at the University of Washington, Seattle. The dates for the Congress are August 24 - September 2, 1969. The nomenclature sessions will be held August 21-24.

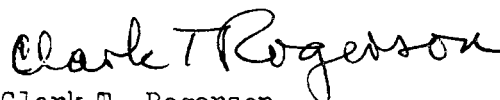
MSA will sponsor a reception for all mycologists attending the Congress on the evening of August 29 from 5-7 p.m. Final arrangements and place will be included in the Congress program. Dr. Daniel E. Stuntz is the local representative in charge of arrangements. I hope that all members of MSA attending the Congress will be at the reception to greet and host the visiting mycologists.

By now all of you have received the announcement that the 1969 annual MSA foray will be held at the University of Michigan Biological Station, Pellston, Michigan, September 9-13, under the leadership of Dr. F. K. Sparrow, Dr. Alexander H. Smith and Vice-President Richard P. Korf. A Workshop in Mycology in conjunction with the XI International Congress also will be held at the Biological Station, September 5-19.

All business of the Society for 1969 will be handled by mail. Anyone having suggestions, problems, etc., should write to the Secretary, Dr. Robert L. Shaffer. Reports of the actions taken by the Board of Councilors and reports of officers and of committees will be published in the December Newsletter. Results of the election will be announced at the foray, will be included in a mailing to all members in October, and will be published in the December Newsletter.

I sincerely hope that all of you have an enjoyable summer and that you will be able to attend the Congress, or the foray, or both.

Sincerely,



Clark T. Rogerson
President

CTR:JT

B. *SUSTAINING MEMBERS OF THE SOCIETY*

Abbott Laboratories, North Chicago, Ill. 60064. Pharmaceutical products for the medical profession since 1838.

Aerosol Techniques, Inc., 432 Frog Town Road, New Canann, Conn. 06840

American Optical Co., Instrument Division, Buffalo, N. Y. 14215. 122 years of leadership in optics and 115 years of progressive achievement in microscopes.

BioQuest BBL and Falcon Divisions, Cockeysville, Md. 21030. Products for the microbiological laboratory.

Buckman Laboratories, Inc., Memphis, Tenn. 38108. Industrial microorganism control specialists.

Butler County Mushroom Farm, West Winfield, Pa. 16062

Campbell Soup Company, Camden, N. J. 08100

Difco Laboratory Products, 920 Henry St., Detroit, Mich. 48201. The complete line of microbiological reagents and media.

Hoffman-La Roche, Inc., Nutley, N. J. 07110. Pharmaceuticals, vitamins and aromatic chemicals.

Lab-Line Instruments, Inc., Melrose Park, Ill. 60160. Quality Manufacturers-designers of laboratory apparatus, instruments and equipment.

Lane Science Equipment Co., 105 Chambers St., N. Y., N. Y. 10007. Complete line of museum storage cabinets - especially herbarium cabinets- airtight for permanent protection.

Eli Lilly and Company, 740 South Alabama St., Indianapolis, Ind. 46225. Pharmaceuticals, biologicals, and agricultural and industrial products.

The Wm. S. Merrell Company, Division of Richardson-Merrell Inc., Cincinnati, Ohio 45215. Pharmaceutical manufacturers since 1828.

Miles Laboratories, Inc., Elkhart, Ind. 46514. Pharmaceutical and chemical research and manufacture.

Parke, Davis & Company, Detroit, Mich. 48232. Pioneers in better medicines.

Chas. Pfizer and Co., Inc., 11 Bartlett St., Brooklyn, N. Y. 11206. Fine chemicals and pharmaceuticals by means of microorganisms.

Schering Corporation, Bloomfield, N. J. 07003. Pharmaceutical manufacturers.

Scientific Products, Evanston, Ill. 60201. Supported by companies dedicated to the biological sciences. (Member company names on request)

The Squibb Institute for Medical Research, E. R. Squibb and Sons., Div. of Olin Mathieson Chemical Corp., New Brunswick, N. J. 08902

Travenol Laboratories, Inc., Morton Grove, Ill. 60053

The Upjohn Company, Kalamazoo, Mich. 49003. Fine pharmaceuticals since 1886.

Wallerstein Company, Division of Baxter Laboratories, Inc., 125 Lake St., Staten Island, N.Y. 10303. Research and production of enzymes and fermentation chemicals.

Warner-Lambert Research Institute, Central Research Division of the Warner-Lambert Pharmaceutical Company, Morris Plains, N. J. 07950.

C. *AFFILIATED SOCIETIES*

The Society's affiliated societies are all actively engaged in bringing mycology to the attention of both professional and so-called amateur mycologists. All produce news bulletins and other similar publications, and sponsor regular programs, especially collecting trips (in season). Members of the MSA would be well advised to seek membership in one of our affiliated societies if there is any chance of participation, since more active or keener groups of observers would be difficult to find. Those of us who have had the opportunity to collect with some of these "amateurs" will realize how little the "professional" mycologist may know about mushrooms in the field (or, for that matter, from a culinary viewpoint!) These Societies are:

Boston Mycological Club, Erhart Muller, Treas., Shaker Village, Harvard, Mass. 01451
 Le Cercle Des Mycologues Amateurs De Quebec, Dept. Biologie, Cite Universitaire,
 Ste.-Foy, P. Q. Canada
 The North American Mycological Association, Harry S. Knighton
 Portsmouth, Ohio 45662 /President, 4245 Redinger Road,
 Oregon Mycological Society, Donald Goetz, Treasurer, 6548 S. E. 30th Avenue,
 Portland, Ore. 97202
 Societe Mycologique de France, 36 rue Geoffroy-Saint-Hilaire, Paris V^e, France

D. ANNOUNCEMENTS

I. 1969 FORAY PLANS

As announced in the flyer accompanying the ballots, registration for the MSA foray was closed as of July 1, 1969. The foray will be concurrent with a Workshop in Mycology following the Eleventh International Botanical Congress at the University of Michigan Biological Station on Douglas Lake, near Pellston, Michigan. The foray dates are September 9-13, 1969; the Workshop will extend over a greater period, September 5-19. Co-hosts of both events are Drs. F. K. Sparrow and A. H. Smith, former presidents of MSA.

II. MYCOLOGIA MEMOIRS

The following memoirs have been published since December 1, 1968:

1. Petersen, R. H. 1968. The genus Clavulinopsis in North America. Mycologia Memoir 2: 1-39. (including 76 figures, 4 colored plates).
2. Hesler, L. R. 1969. North American species of Gymnopilus. Mycologia Memoir 3: 1-117. (including 126 figures of which 107 are drawings and 19 half-tones).

Purchase from Hafner Publishing Co., 31 East 10th Street, New York, New York 10003.
Price of Number 2: \$6.50; of Number 3: \$7.00.

III. MSA GRADUATE FELLOWSHIPS FOR 1969-1970

Dr. Melvin S. Fuller, Chairman, Committee on Research Grants, consisting of Drs. Alma Barksdale, James Maniatis, and Richard Hanlin, is pleased to announce that the Mycological Society of America Graduate Fellowship for 1969-70 has been awarded to Mr. Lauritz W. Olson, a graduate student in Botany at the University of California, Berkeley. The Committee also awarded an Honorable Mention to Mr. Stanley N. Grove, a graduate student in Botany and Plant Pathology at Purdue University. There were 17 applicants for the fellowship this year and the committee would like to thank each of them for their interest in applying.

IV. FREEZE-DRYING SERVICE

As a service to the scientific community the American Type Culture Collection with freeze-dry in quantity cultures of bacteria and fungi known to survive freeze-drying and submitted to the ATCC for this purpose. Any income derived from this service in excess of costs will be added to the ATCC Foundation Fund.

Cultures can be freeze-dried in lots of 25 (minimum), 50, 75, 100, 200, 300, and 400. The ATCC will check for viability and contamination after freeze-drying.

For further information contact Mrs. Bobbie A. Brandon, American Type Culture Collection, 12301 Parklawn Drive, Rockville, Maryland 20852 (Phone 301-949-5610).

V. AMERICAN TYPE CULTURE COLLECTION: Board Meeting and Trademark

On December 6, 1968, the Annual Board Meeting elected officers for 1969, approved organization of a Foundation Drive for a three million dollar endowment fund aimed toward organization security and continuity to which a MSA contribution of five hundred dollars was added, and approved filing of an application for registering as a trademark the name "AMERICAN TYPE CULTURE COLLECTION" and the mark "ATCC".

E. PROFESSIONAL INFORMATION

I. NEW MYCOLOGICAL RESEARCH PROJECTS

a) Phycomycetes

1. Physiology of aquatic Phycomycetes with emphasis on chytrids. (G. S. Trelawny (1)).
2. Morphogenesis in Coccidioides immitis. (M. Huppert (2))

b) Ascomycetes

1. Mutations affecting sexuality in Sordaria fimicola. (by Marcia Windham for L.S. Olive (3))
2. Survey of California bats for Histoplasma capsulatum. (L. Ajello (4))
3. Inheritance and variation in Ceratocystis ulmi. (F. Holmes (5))
4. Factors affecting perithecia of Ceratocystis ulmi. (Ibid)
5. A study of the influence of nutrition on the reproduction of some thermophilic Ascomycetes. (C. L. Fergus (6))
6. Puffing mechanism in discomycetes. (S. O. Alasoadura (7) by B. O. Oso)
7. Ultrastructure studies of ascospore development. (Ibid.)
8. Taxonomy of the genera Chaetomidium, Thielavia, Kernia, and Lophotrichus. (H. K. Seth (8))
9. Studies upon reproduction of Gibberella zeae. (G. C. Luzzardi (9))

c) Basidiomycetes

1. Photomorphogenesis in higher fungi, especially Sphaerobolus stellatus. (S.O. Alasoadura (7))
2. Improvement of mushroom cultivation after spawning. (L. Wu (10))
3. Mycological studies of mushroom with special reference to disease incidence. (Ibid.)
4. Relative susceptibility of coniferous species to infection by Poria weirii. (J. M. Trappe (11))
5. Physiology of basidiocarp formation in Coprinus. (F. H. Gleason (12))
6. The scanning and transmission electron microscopy of smut spores. (U. C. Banerjee (13))
7. The species of Leccinum in the northern hemisphere. (A. H. Smith (14), H. D. Thiers, and Roy Watling)
8. Boletaceae of North Carolina with special emphasis on their ability to form mycorrhizae. (L. F. Grand (15))
9. Taxonomy of the Coniophoraceae. (by J. Dodd for R. H. Petersen (16))
10. Ramaria from the Pacific Northwest. (R. H. Petersen (16) and C. Marr)
11. Morphogenesis of basidiocarps and the taxonomy of certain Polyporus species. (Lorene L. Kennedy (17))
12. Study of Psilocybe fimetaria, which produces melanoters, gastromycetoid, chlamydospore and normal fruit-bodies. (R. Watling (18))
13. British fungus flora: agarics and boletes. First and second parts prepared and ready for distribution soon. (Ibid.)
14. Physiology of germination of sclerotia of Claviceps sp. (W. J. Lutjeharms (19))
15. Preliminary investigation of rust and smut fungi of South Africa. (Ibid.)

d) Deuteromycetes (Fungi Imperfecti)

1. Biology of tropical aquatic hyphomycetes. (S. O. Alasoadura (7))
2. Monograph on genus Phymatotrichum. (H. E. Bloss (20))
3. Purification and properties of Rhizoctonia metabolites. (L. Wu (10))
4. Sexuality and reproductive structures of Arthrobotrys. (D. Castaner (21))
5. Karyology of conidium ontogeny in hyphomycetes. (W. B. Kendrick (22))
6. Biochemical and numerical taxonomy of Candida species. (Y. Schechter (23))

e) Lichens

1. Physiology and microenvironment of lichens in Antarctica. (T. P. Gannutz (24))
2. Ultrastructures of lichens. (by J. Jacobs for V. Ahmadjian (25))
3. Study of the most important lichens in Mexico. (by Mrs. Laura D. de Guzman for G. Guzman (26))
4. Physico-ecological study of boreal Stereocaulon. (W. A. Hutchinson (27))

- f) 1. Electron microscopy of Ceratiomyxa fructiculosa. (by Margaret Nessom for L.S. Olive (3))
2. Effects of non-ionizing radiations on myxomycetes. (C. J. Alexopoulos (28))

g) Multigrouping or Miscellaneous

1. Hypogeous fungi of Mexico. (J. M. Trappe (11))
2. Survey of mycoflora of Nigeria. (S. O. Alasoadura (7))
3. Mycological flora of west tropical Africa. (M. V. Locquin (29))
4. Morphology and systematics of estuarine fungi. (W. J. Koch (3))

5. Life cycles of conifer-infecting fungi in the west and Mexico. (R. S. Peterson (30))
6. Biology and taxonomy of nematode-trapping fungi. (R. Mankau (31))
7. A study of the fungi responsible for allergic rhinitis and asthmatic bronchitis in Mayaguez, Puerto Rico. (L. A. Roure (32))
8. Survey of the occurrence in soils of central Ohio of human-pathogenic fungi and Nocardias. (J. A. Schmitt (33) and P. V. Kurup)
9. Taxonomy of fossil fungal spores. (W. C. Elsik (34))
10. Soil mycoflora of Argentina. (J. E. Wright (35))
11. Study of mycorrhizal fungi of southwestern shinnery oaks. (P. V. Prior, A. M. Elliot (36), and C. M. Rowell, Jr.)
12. Soil microbiology with physiology of hydrocarbon-decomposing fungi including yeasts. (W. J. Lutjeharms (19))
13. Lipids in relation to taxonomy and phylogeny of fungi. (J. W. Hendricks (37))
14. Amino acid metabolism in aquatic fungi. (F. H. Gleason (12))
15. Studies on analysis of genome sizes in fungal species, on kinetics of reassociation of nucleic acids, and on repeated DNA occurrences in fungal DNA's. (S. K. Dutta (38))
16. Antifungal antibiotics for the control of plant pathogens and seed-borne diseases. (M. D. Whitehead (39))
17. Mycotoxin research. (Miriam K. Slifkin (40))
18. Electron microscopy of two parasites of ciliates. (by G. Erdos for L. S. Olive (3))
19. Review of paper work. (L. K. Batra (41), the editor, and Everyman)

II. COURSES IN MYCOLOGY (1969)

- a) Canada: Advanced mycology and Ascomycetes; no dates given. (R. F. Cain (42))
- b) China (Taiwan): Physiology of fungi; no dates given. (L. Wu (10))
- c) France: European and tropical mycology; no dates given. (M. V. Locquin (29))
- d) Puerto Rico: An introduction to medical mycology (Biology 300); fall 1969. (L.A. Roure (32))
- e) United States:
 1. Georgia: Biology of phycomycetes (M. S. Fuller (43)); Biology of basidiomycetes (E.W. Ross (43)).
 2. Georgia: A comprehensive graduate program has been developed by the Departments of Botany, Plant Pathology, and Microbiology at the University of Georgia with training at both the M.S. and Ph.D. levels. The degree is awarded by the department in which the student enrolls. The program is designed with sufficient flexibility to permit students to pursue any special interests; students entering the program through Plant Pathology, for example, need not specialize in plant pathology, but may take a majority of their courses in related fields, such as botany and microbiology. The following courses are now being offered in the mycology program: Introductory Mycology (R. T. Hanlin), Medical Mycology (G. E. Michaels), Biology of Phycomycetes (M. S. Fuller & D. L. Porter), Biology of Ascomycetes (R. T. Hanlin), Biology of Basidiomycetes (E. W. Ross), Physiology of Fungi (W. K. Wynn), Physiological Genetics (K. E. Papa), and Microbial Genetics (H. B. Howe). Others participating in the mycological research program are E. S. Luttrell (Ascomycetes and Deuteromycetes), R. W. Roncadori (Ecology of Fungi), J. E. Giddens (Soil Mycology), W. A. Campbell and F. F. Hendrix, Jr. (Pythiaceae). Facilities are available for work in most areas of research, including taxonomy, morphology, genetics, physiology, and ecology. An additional electron microscope facility is presently under construction. (For further information, R. T. Hanlin (44))
 3. New York: Physiology of fungi; Second semester of 1969-70 (D. H. Griffin (45))
 4. Pennsylvania: Genetics of fungi: No date given. (J. Lennox (6))
 5. Wisconsin: Mycology; First semester. (A. C. Nelson (46))

WITH REFERENCE TO CULTURES (MARKED (c)) AND SPECIMENS (MARKED (s)) IN ITEMS III, IV, AND V, NOTE:

The provisions of the Federal Plant Pest Act of 1957 and the Regulations issued thereunder require that plant pathogens will move interstate under a permit issued by the Plant Quarantine Division, U.S. Department of Agriculture, Federal Center Building, Hyattsville, Md. 20781. Your requests for permits will be given prompt attention.

III. FUNGI FOR DISTRIBUTION (CULTURES (c) OR SPECIMENS (s))

- a) Phycomycetes
 1. Catenomyces, Phlyctochytrium africanum, P. chactiferum, Rhizophlyctis rosea (all (c)) (T. Booth (47))
 2. Coccidioides immitis (more than 400 strains (c) of which nearly 100 are atypical) (M. Huppert (2))

b) Ascomycetes

1. Ceratocystis ulmi, mating strains "A" and "B" (c), (please send quarantine label with first inquiry) (F. Holmes (5))
2. Chaetomidium, Chaetomium, Kernia, Lophotrichus, Thielavia (all (c)) (H. K. Seth (8))
3. Kernia, two (2) new species, (c) (B. V. Singh (42))
4. Xylaria ustorum (Lev.) Dennis (s) (J. E. Wright (35))
5. Gymnoascaceae (c) (G. F. Orr (48))

c) Deuteromycetes (Fungi Imperfecti): Phymatotrichum spp. (H. E. Bloss (20))d) Lichens

1. Stereocaulon symbionts (W. A. Hutchinson (27))
2. Fifty (50) assorted (c) of lichen fungi have been deposited in the ATCC, Rockville, Md. 20852 (V. Ahmadjian (25))

IV. FUNGI WANTED (CULTURES (c): SPECIMENS (s))

a) Phycomycetes

1. Chaetocladium, Chaetostylum, Helicostylum (all (c)) (K. G. Mukerji (49))
2. Chytrids identified to species (c) (G. S. Trelawny (1))
3. Pythium spp. (c) (O. Vaartaja (50))
4. Sclerospora macrospora on wheat (s) (G. C. Luzzardi (9))

b) Ascomycetes

1. Achaetomium, Ascotricha, Chaetomium, Lophotrichus (all (c)) (K. G. Mukerji (49))
2. Ceratocystis ulmi from various U.S. locations for determination of compatibility type (c) (F. Holmes (5))
3. Chaetomidium, Chaetomium, Kernia, Lophotrichus, Thielavia (c, s) (H. K. Seth (8))
4. Desmazierella, Galiella, Sarcoscypha, Sarcosoma, Urnula, Wolfina, Wynnea (fresh (s) for isolations for cultural studies) (J. W. Paden (51))
5. Elaphomyces, Tuberales (c,s) (J. M. Trappe (11))
6. Gelasinospora spp. (c) (S. O. Alasoadura (7))
7. Gyromitra, Neogyromitra (s) (K. H. McKnight (41))
8. Histoplasma capsulatum (c) Primary isolates. Please write in advance for directions on isolation and shipment. (Martha D. Berliner (52))
9. Hypocrea (c,s) (Susan C. Canham (53))
10. Kernia, Microascus, Sporormia, Sporormiella, any cleistothecial forms (c,s) (H. B. Singh (42))
11. Leptosphaeria nodorum (s) on wheat. (G. C. Luzzardi (9))
12. Leptosphaerulina and any pyrenomycete suitable for sectioning (c,s) (F. A. Uecker (41))
13. Taphrina (c,s) (J. L. Watson (54))
14. Eurotiaceae (c) (C. R. Benjamin (41))
15. Gymnoascaceae (c,s) (G. F. Orr (48))

c) Basidiomycetes

1. Calocera spp., Polyporus fumosus (c,s) (Lorene L. Kennedy (17))
2. Fomes fraxinophilus (c) (M.M. Pandila (55))
3. Lepiota and related genera from western U.S. (s) (W. J. Sundberg (56))
4. Polyporus adustus, P. fumosus (c,s - recently collected material will be greatly appreciated) (R. J. Larcade (17))
5. Sporidiobolus sp. (c) (D. C. Prusso (57))
6. Volvaria (c-tropical) (M. V. Locquin (29))
7. Agarics (L. Wu (10))
8. Sclerodermataceae (subtropical) (G. Guzman (26))
9. Gasteromycetes, hypogeous (s) (J. M. Trappe (11))
10. Smuts, spores of any species (U. C. Banerjee (13))
11. Smuts, small grain seeds with viable spores for preparation of cultures (M.D. Whitehead (39))

d) Deuteromycetes (Fungi Imperfecti)

1. Arthrobotrys, Dactylaria, Monacrosporium, other nematode-trapping fungi (c) (R. Mankau (31))
2. Bullera sp., Itersonilia sp. (c) (D. C. Prusso (57))
3. Chrysosporium lignorum (c) (M.M. Pandila (55))
4. Helminthosporium sativum, H. gramineum, (c) (M. D. Whitehead (39))
5. Phymatotrichum silvicola and others (H. E. Bloss (20))
6. Septoria nodorum (Glume Blotch of wheat) (s) (G. C. Luzzardi (9))
7. Trichophyton mentagrophytes (c-from soil) (L. Ajello (4))
8. Tritirachium spp. (c,s) (C. H. Dickinson (58))
9. Volutina (c,s) (B. V. Singh (42))
10. Hyphomycetes, aquatic (c,s) (K. E. Conway (59))

e) Lichens

1. Baeomyces (s-freshly collected for isolation of mycobiont) (W. A. Hutchinson (27))
2. Lichens (s-Mexican) (G. Guzman (26))

f) Myxomycetes: Reticularia lycoperdon (s-unfumigated) (F. A. Gilbert (60))g) Miscellaneous

1. Fungi that are known dextranase producers (c) (G. Walter (61))
2. Fungi that will grow and sporulate efficiently on synthetic media (c) (J.W. Hendrix (37))
3. Spore-bearing material, identified (s) (W. C. Elsik (34))
4. Small grain seeds infected with seed-borne pathogens (s) (M. D. Whitehead (39))

V. FUNGI: IDENTIFICATION OF CULTURES AND SPECIMENS

a) Phycomycetes

1. Coccidioides immitis (c,s) (M. Huppert (2))
2. Helicostylum (c) (K. G. Mukerji (49))
3. Pythium spp. (c) (O. Vaartaja (50))

b) Ascomycetes

1. Achaetomium, Ascotricha (both (c)) (K. G. Mukerji (49))
2. Arachnopeziza, Eriopezia, Rutstroemia, Velutaria (all (s)) (R. P. Korf (62))
3. Aurophora, Boedijnopeziza, Cookeina, Microstroma, Phillipsia, Pithya, Sarcoscypha, (all (s)) (W. C. Denison (63))
4. Ceratocystis ulmi ((c) by mating with known compatibility types) (F. Holmes (5))
5. Chaetomium, Chaetomium, Kernia, Lophotrichus, Thielavia (c,s) (H. K. Seth (8))
6. Elaphomyces, Tuberales (J. M. Trappe (11))
7. Hypocrea (s) (Susan C. Canham (53))
8. Vibrissea (Apostemidium) (s) (A. Sanchez (62))
9. Eurotiaceae (c,s) (C. R. Benjamin (41))
10. Gymnoascaceae (c,s) (G. F. Orr (48))
11. Hypocreales (c,s) (C. T. Rogerson (53))
12. Sarcoscyphaceae, Tribe Urnuleae (s) (J. W. Paden (51))

c) Basidiomycetes

1. Gastroboletus, hypogeous Gastromycetes (J. M. Trappe (11))
2. Ramaria, Clavariaceae (with advance arrangements only) (R. H. Petersen (16))
3. Bolbitiaceae (c,s) (R. Watling (18))
4. Boletaceae, Polyporaceae (s) (L. F. Grand (15))
5. Dacrymycetaceae (s) (Lorene L. Kennedy (17))
6. Sclerodermataceae (s) (G. Guzman (26))
7. Uredinales (s) (B. V. Singh (42))

d) Deuteromycetes (Fungi Imperfecti)

1. Arthrobotrys, Dactylaria, Monacrosporium, other predaceous fungi (R. Mankau (31))
2. Gliomastix, Trilirachium(?) (both (c,s)) (C. H. Dickinson (58))
3. Aquatic Hyphomycetes (c,s) (K. E. Conway (59))
4. Aquatic Hyphomycetes (J. L. Crange (64))

- e) Lichens: *Lecanora subfusca* group from North America (s) (I. M. Brodo (65))
- f) Myxomycetes: Specimens or fruiting cultures (C. J. Alexopoulos (28))
- g) Miscellaneous:
 - 1. Coprophilous fungi (s) (B. V. Singh) (42))
 - 2. Cultures and specimens (G. C. Luzzardi (9))
 - 3. Suspected human pathogenic fungi (c) (L. Ajello (4))

VI. MYCOLOGICAL ITEMS FOR SALE

- a) One each for sale: Arthur, J. C. and G. R. Bisby. 1918. An annotated translation of the part of Schweinitz's two papers giving the rusts of North America. Proc. Am. Philosoph. Soc. 57: 173-292. (\$1.50); Crowder, W. 1926. Marvels of Mycetoza. National Geographic, 49 (4): 421-443. (\$2.00); Doty, M.S. 1944. Clavaria, the species known from Oregon and the Pacific Northwest. Ore. St. Monographs. 91 pp.(\$1.00); Gilkey, H. M. 1939. Tuberales of North America. Ore. St. Monographs. 63 pp.(\$1.00); Hotson, J. W.1925. Preliminary list of the Uredinales of Washington. Pub. Puget Sound Biological Sta. of the Univ. of Wash. 4: 273-391. (\$1.50); Rosenbaum, J. 1917. Studies of the genus *Phytophthora*. J. of Agr. Res. 8: 233-276, plus plates. (\$3.00); Taylor, T., M.D. Student's Hand-book of Mushrooms of America. Pub. in 5 parts from 1897-98. 136 pp. Color illustrations included. (\$7.50); Waterhouse, G. M. Key to the species of *Phytophthora* de Bary. CMI Mycological Papers, No. 92. 22 pp. (\$1.50); Zahl, P. A. 1965. Bizarre world of the fungi. National Geographic 128 (4):502-528. (\$1.00); Zeller, S.M. 1939. Developmental morphology of *Alpova*. Ore. St. Monographs. 19 pp. (\$.50); Zundel, G. L. 1953. The Ustilaginales of the world. Penn. State College Contr. No. 176 from the Dept. Botany. 410 pp. (\$4.00). (J. L. Maas (66))
- b) Fitzpatrick, H.M. 1930. The lower fungi-Phycomycetes. (\$12.00). (A. Sanchez (62))
- c) Burt, E. A. Theleporaceae of North America. 15 parts, unbound, original edition, (\$15.00); Ellis and Everhart. 1842. North American pyrenomycetes. Orig. Ed. (\$15.00); Parkinson and Waid. 1960. Ecology of soil fungi. (\$5.00) (R. S. Peterson (30))
- d) Coker, W. C. 1923. The Clavarias of the United States and Canada. (\$14.00); Corda, A.J.C. (Reproduced 1963) Icones fungorum cognitorum. (\$90.00); Korad and Maublanc. Les Agaricales. 2 Vols. (23.00). (W. Lazo (67))

VII. MYCOLOGICAL PUBLICATIONS NEEDED

- a) Barger, G. 1931. Ergot and ergotism. London. (A. M. Elliot (36))
- b) Coker, W. C. 1923. Clavarias of the United States and Canada. Univ. of North Carolina Press. (R. H. Petersen (16))
- c) Gilbert, E. S. 1931. Les bolets. Paris. (R. Watling (18))
- d) Grove, W. B. 1937. British stem and leaf fungi. Vols. I & II. Cambridge University Press. (J. G. Palmer (68))
- e) Lister, A. 1911. Mycetoza. Second Edition. (C. J. Alexopoulos (28))
- f) Lloyd, C. G. 1898-1916. Mycological writings, Vols. 1-4. (A. Sanchez (62))
- g) Ridgway, R. 1912. Color standards and color nomenclature. Published by author at Washington, D.C. (S. O. Alasoadura (7); Martha Christensen (69); M. V. Locquin (29))
- h) Reprints or manuals on identification and/or morphology of fungal spores. (W.C. Elsik (34))

VIII. VACANCIES FOR MYCOLOGISTS WITH RECENT DOCTORATES

- a) Brazil: For information regarding a vacancy, contact Professor Gilberto C. Luzzardi (9))
- b) Massachusetts: For information regarding appointment as a postdoctoral fellow in mycotic diseases (ecology, epidemiology, and clinical aspects), cytology, genetics, morphogenesis, biochemistry, and immunology, contact Prof. Charlotte C. Campbell (52)

IX. VACANCIES FOR MYCOLOGY GRADUATES AS TECHNICIANS, EXPERIMENTALISTS, ETC.

- a) Brazil: Apply to Prof. Gilberto C. Luzzardi (9) for information regarding technical positions.
- b) Illinois: If you have qualifying courses in mycology, microbiology (including medical), and chemistry plus a B.S. degree, write to Dr. Seth Mizuba. (70)
- c) Indiana: If you have a B.S. or M.S. degree, inquire of Dr. J. W. Whaley (71) about a position for study of soil-borne, plant-pathogenic fungi and nematodes.
- d) New York: A Research Technician II (NP 10) candidate with a BSc or MSc degree desired for *Discomycete* project. Salary \$5825 per annum. (Prof. R. P. Korf (62))

- e) Pennsylvania: Candidate with BS degree and training in mycology and genetics needed for parasexual or somatic recombination researches in fungi, especially *Penicillium*. (Dr. M. A. Espenshade (72))

X. AVAILABLE GRADUATE STUDENT ASSISTANTSHIPS

- a) Canada, Ontario: For stipends up to \$4000 per year for students proceeding to the MSc or Ph.D. in mycology, apply to Dr. W. B. Kendrick. (22)
- b) Arizona: For information regarding assistantships, write to Dr. R. L. Gilbertson. (20)
- c) Florida: To apply for vacancy requiring a mycologist with a strong background in physiology or biochemistry to work toward MS degree on a research contract, write to Dr. P.L. Squoros (73) Salary \$3420 for 12 months at half or three-quarter time.
- d) Illinois: For information about International Graduate Research Assistantships in Plant Pathology having a stipend of \$3500-\$3800 and a remission of most fees plus experience in India, write to Dr. W. M. Bever. (74)
- e) Massachusetts:
1. Graduate assistantships and Fellowships with stipends of \$3200 per year and remission of tuition leading to a MS or Ph.D. degree are available in several areas including disease physiology, forest pathology, fungal diseases, and shade tree pathology. Write to R. A. Rohde. (75)
 2. For information concerning Ph.D. and MS candidacies in public health and hygiene involving mycotic diseases, write to Dr. Charlotte C. Campbell. (52)
- f) Missouri: Teaching and research assistantships with \$2400 stipend and tuition remission plus tax-free fellowships with dependent allowances available to qualified graduate students interested in mycology. Write to Dr. J. Maniotis. (76)
- g) Oklahoma: General support stipends available in medical mycology. Write to Dr. R. A. Patnode. (77)

XI. STUDENTS EXPECTING DOCTORATES LOOKING FOR EMPLOYMENT

- a) Canada:
1. Alberta: J. S. States: "Some aspects of *Gloeophyllum saepiarium* (Wulf) Karst, a Xerophytic polypore"; Research interest: Morphogenesis in Basidiomycetes: Ecology of soil fungi; Teaching competence: Mycology, elementary and intermediate biology; May, 1969; Major Professor: Dr. Lorene L. Kennedy (17).
 2. Ontario: Garry T. Cole: "An exploration of the complementary functions of mature morphology and conidiospore-conidium ontogeny in the taxonomy of Hyphomycetes"; Research interest: Fungal morphogenesis, Electron microscopy, taxonomy; Teaching competence: mycology, general botany, taxonomy. April, 1969; Major Professor: Dr. W. B. Kendrick. (22)
 3. Ontario: T. R. Nag Raj: "First contribution to a monograph of *Chalara* and related genera"; Research interest: Taxonomy of Fungi Imperfecti, diseases of plants and insects caused by fungi; biological control of weeds and insect pests; Teaching competence: Mycology, plant pathology and fungal taxonomy; September, 1969; Major Prof.: Dr. W. B. Kendrick (22)
 4. Ontario: Bal Vir Singh: Research interest: Coprophilous fungi and rust fungi; Teaching competence: General botany, mycology and plant pathology. Fall, 1970. Major Professor: Roy F. Cain. (42)
- b) Great Britain: Michael Hedley: "Extracellular enzymes of *Trametes versicolor*"; Research interest: Forest pathology, fungal physiology; Teaching competence: Mycology; Summer, 1969; Major Professor: Prof. J. H. Burnett. (58)
- c) India: Sarjit Singh Rattan: "Studies on the Thelephoraceae of India"; Research interest: Systematic and cultural studies in Thelephoraceae, Polyporaceae and Clavarias; Teaching competence: mycology and plant pathology; September, 1969; Major Prof.: Dr. K.S. Thind. (78)
- d) United States:
1. Georgia: F. Y. Kazama: "Biology of *Pythium manniun*"; Research interest: Marine mycology, fungal physiology; Teaching competence: mycology, general biology and botany; June, 1969; Major Professor: Dr. M.S. Fuller. (43) (Has postdoctoral until June of 1970).
 2. Kentucky: Randel A. Flowers: "Ecology of *Phytophthora parasitica* var. *nicotianae*"; Research interest: soil-borne fungi, plant pathology; Teaching competence: soil-borne fungi, plant pathology; July, 1969; Major Professor: Dr. J. W. Kendrix. (37)

3. Massachusetts: Dr. Theodore P. Gannutz: "Effects of gamma irradiation on lichens and isolated lichen components"; Research interest: Effects of environmental extremes on plants; Teaching competence: Microbiology, general botany; June, 1968; Major Professor: Vernon Ahmadjian. (25)
4. Missouri: Mrs. Razia S. Muneeruddin: "Genetics and physiology of certain morphologic mutants of *Gelasinospora calospora*"; Research interest: Physiology - genetics of fungi; Teaching competence: General mycology, botany, physiology of fungi; June, 1969; Major Professor: Dr. James Maniotis. (76)
5. New York: Joanne K. Rogers (Mrs.): "Generic nomenclature of the Pezizales"; Research interest: Nomenclature and taxonomy of discomycetes; Teaching competence: Botany, biology, mycology; November, 1969; Major Professor: Prof. R.P. Korf. (62)
6. North Carolina: R. M. Danielson: "Ecology and physiology of *Trichoderma* in forest soils"; Research interest: Ecology of soil fungi; Teaching competence: soil microbiology; January, 1970; Major Professor: Dr. C. B. Davey. (79)
7. Wisconsin: Walter G. Thies: (81-home address) "The biology and control of *Cylindrocladium scoparium* in Wisconsin State Forestry Nurseries" Research interest: Soil ecology, forest pathology; Teaching competence: Minimal in forest pathology; June, 1969 (Not available until July, 1971, because of military commitment); Major professor: Dr. R. F. Patton. (80)

XII. GRADUATES AT BACHELOR'S OR MASTER'S LEVEL FOR EMPLOYMENT AS TECHNICIANS, EXPERIMENTALISTS, ETC.

James P. Bennett (82) receives a MA in mycology during the summer, 1969, and is interested in a permanent technical job in mycology or conservation.

F. PERSONAL INFORMATION

I. MYCOLOGISTS WITH NEW AFFILIATIONS

- a) Dr. Donald Reinhardt, formerly at the National Communicable Disease Center in Atlanta, has joined the staff and Drs. D. C. Ahearn and M. D. Whitehead in mycology-microbiology at Georgia State College in Atlanta as Assistant Professor of Microbiology.
- b) Dr. David Porter, who completed his Ph.D with Dr. H. Whisler at the University of Washington and is presently a postdoctoral at Harvard, will join the staff of the Department of Botany at the University of Georgia in September, 1969.
- c) Dr. Janet Winstead, previously at Atlantic Christian College, has joined the staff of the Biology Department, Madison College, Harrisonburg, Va.
- d) Kent Dumont, currently at Cornell University, will join the staff of The New York Botanical Garden as Associate Curator (Fungi) in the fall of 1969.
- e) Dr. K. L. Howard will spend June and July with Dr. R. T. Moore at North Carolina State University studying saprolegnid ultrastructure and will then assume a new position in mycology at Hamilton College in Clinton, New York.
- f) Miss Dorothy I. Fennell, who has been associated with the American Type Culture Collection, joined the Culture Collection staff of the Northern Regional Research Laboratory, Agricultural Research Service, in Peoria, Ill., on June 2.
- g) Dr. V. K. Howe (plant pathologist and mycologist) has moved to the Department of Biological Sciences in the Western Illinois University at Macomb from Northwestern State College of Louisiana.
- h) Dr. D. T. Mitchell, formerly lecturer in Botany at the Derby and District College of Technology in England, has joined the staff at the Department of Microbiology, University of Cape Town in South Africa.
- i) Dr. Kenneth Erb recently accepted a position as Assistant Professor of Biology in the Biology Department of Hofstra University, Hempstead, Long Island, New York.
- j) Dr. H. R. Mainwaring will assume a new mycology position at Western Carolina University, Cullowhee, N. C., on September 1.
- k) Dr. Yaakov Schechter will move to the Department of Biological Sciences of the City University of New York effective September 1.
- l) Dr. Joanne T. Ellzey has been appointed Assistant Professor of Biology at The University of Texas at El Paso where she will teach mycology and general biology.

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T R I P T O J A P A N ?

Dr. Y. Kobayasi, currently President of the Japanese Mycological Society, asked Dr. Emory Simmons particularly to request that any MSA member planning a trip to Japan please contact him beforehand if possible so that appropriate contacts and greetings can be arranged by Japanese colleagues. The Japanese mycologists are wonderful hosts and take great pride in being so; in addition, they are quite interested in establishing good professional working relations with MSA members. Dr. Kobayasi's address: National Science Museum, Ueno Park, Tokyo, Japan.

* * * * *

II. TRAVELING MYCOLOGISTS

- a) After working tours in Afghanistan and Arizona, Dr. W. G. Solheim, Emeritus Professor in Botany, has returned to active research at the University of Wyoming in Laramie.
- b) At the invitation of the U.S. Department of Health, Education & Welfare and of the Civil Administration of the Ryukyus, Dr. Richard P. Korf of Cornell University spent April in the Ryukyus as Consultant to the Dept. of Forestry of the University of the Ryukyus College of Agriculture. He collected forest fungi on Ishigaki and Iriomote islands for 2 weeks before returning to do additional collecting on Okinawa and lecturing to the Forestry students. The trip was completed in Japan looking for two elusive species in the Sclerotiniaceae, Phaeosclerotinia nipponica and Scleromitruia shiraiana.
- c) In October, 1969, Dr. M. L. Farr of the National Fungus Collections will leave on a State Department sponsored trip to Russia for Cultural Exchange of Scientists with the objectives of fostering and initiating exchange of specimens and literature.
- d) Miss Celia Duboroy from the Institute of Biology in the University of Mexico is at Harvard University with Dr. Raper to study fungus genetics for a year.
- e) Dr. H. H. Ho, Dept. Biology, State University College, New Paltz, N.Y., attended the First International Congress of Plant Pathology held in London, England, in July, 1968. He was one of the discussion leaders on the effect of root exudates on root infection.
- f) Dr. Harold Muchmore of the University of Oklahoma spent 2 days with the Division of Allergy and Infectious Diseases, Medical College of Virginia, in Richmond during the fall of 1968.
- g) Dr. A. H. Smith of the University of Michigan attended the Centennial Celebration of the American Museum of Natural History as the representative of the University Herbarium.
- h) Dr. Alcides R. Teixeira, Director of the Botanical Institute of Sao Paulo, Brazil, visited the Pennsylvania State University, worked in the Mycological Herbarium, and presented a seminar entitled "Microstructures of the carpophore and generic concepts in the Polyporaceae," in October, 1968.
- i) Dr. M. N. Ojha, University of Geneva in Switzerland, is working with Dr. S. K. Dutta of the Department of Botany at Howard University in Washington, D. C., from June to September on Allomyces. He is sponsored by the Suisse NSF and the University of Geneva and is interested in transformation and nucleic acid hybridization in fungal species.
- j) Dr. D. C. Ahearn, Associate Professor of Microbiology at the Georgia State College attended the Third International Symposium on yeasts and visited the laboratory of Dr. N. van Uden at the Gulbenkian Institute near Lisbon, Portugal.
- k) Dr. L. Wickerham of the Northern Regional Research Laboratory also attend the Third International Yeast Symposium at the Hague and Delft in The Netherlands, June 2-7, 1969. His plenary address was entitled "Yeast taxonomy in relation to ecology, genetics, and physiology."
- l) Among those attending the International Botanical Congress in Seattle will be Dr. Henderson of the Royal Botanic Garden in Edinburgh, Scotland, and Dr. S. O. Alasoadura of the University of Ibadan in Nigeria. The latter also will visit mycological groups in Canada, the United States, and Europe.
- m) Mr. Waldo Lazo will work at the Institut for Sporeplanter, Farimagsgade 2 D, DK-1353 at Copenhagen, Denmark, from June, 1969, till June, 1970.
- n) Dr. Glenn S. Bulmer from the Medical School of the University of Oklahoma will work with Dr. A. H. Smith on Gasteromycetes at the Biological Station, University of Michigan, from June 20 to August 25.
- o) Miss Heli Heikkila from the University of Turku in Finland discussed subarctic basidiolichens with Professor V. Ahmadjian, Department of Botany, University of Massachusetts.

- p) Dr. Stanley Hughes of the Plant Research Institute in Ottawa, Ontario, visited both the Forestry Sciences Laboratory of the Forest Service, USDA, and the Department of Botany and Plant Pathology of Oregon State University at Corvallis in May.
- q) Dr. Roy Watling, Royal Botanic Garden, Edinburgh, Scotland, will travel through Ann Arbor, San Francisco, and Ottawa during the fall of 1969.
- r) Dr. C. L. Fergus of the Pennsylvania State University will investigate thermophilic fungi at the E. Hauser Champignon Laboratorium, Gossau-Zurich, Switzerland, from June through mid-December, 1969 on a 6-month sabbatical.
- s) Dr. R. J. Bouchier, Canada Dept. of Fisheries and Forestry, in Ottawa, spent August, 1968, touring forest research institutions in the Soviet Union and logging 12,000 miles.
- t) Dr. Miriam K. Shifkin of Chapel Hill, N. C., will spend the next year (July '69-July '70) with Prof. C. T. Ingold's group at Birkbeck College, London.
- u) Dr. John I. Pitt, CSIRO Division of Food Preservation, Ryde, N.S.W., Australia, is now on a Post-doctoral Fellowship with the ARS Culture Collection, Northern Regional Research Laboratory. He is investigating the Penicillia from cereal grains and the species involved in the production of the tremorgenic mycotoxin.
- v) Dr. Z. Urban, Charles University, Prague, is working with Prof. G. B. Cummins at Purdue University on the taxonomy of Uredinales.
- w) Bal V. Singh of the University of Toronto plans to visit the Kulu Valley and New Delhi in India.
- x) Dr. Marie Pantidou of Benaki, Athens, Greece, is working at the Royal Botanic Garden at Edinburgh on the Mediterranean rust fungi and culture of the Boletaceae.
- y) Dr. David Gottlieb of the University of Illinois discussed physiology of fungi and antibiotics with Prof. Lung-chi Wu at the National Taiwan University.
- z) Dr. J. Fabiszewski, Academy of Agriculture, Dept. of Botany, Wrockaw, Poland, is a National Research Council (of Canada) Postdoctoral Fellow and will be working at the National Museum of Canada in Ottawa for one year on Lichen ecology.
- aa) Prof. R. P. Korf, Cornell University, Discomycetologist, visited the Mycological Laboratories of the University of Toronto, Toronto, Ontario, Canada, in January.
- bb) Dr. H. K. Seth of the Department of Botany, University College of Wales in Aberystwyth plans to visit laboratories in Pisa, Italy, and Baarn and Rotterdam in Holland to study processes in fermentation.
- cc) Dr. Reynolds of the University of Texas studied Capnodides for a month and Dr. D. N. Dring is expected for 3 months beginning October 15 in the Cryptogamic Section of the Instituto de Botanica in Sao Paulo, Brazil, by Dr. Oswaldo Fidalgo, Direktor Technico.
- dd) Mr. Gilbert Bruchet of the Universite de Lyon in France visited the Forest Physiology Laboratory, Plant Industry Station at Beltsville, Md., to pursue interests in the taxonomy and ecology of the Agaricales with Dr. E. HacsKaylo and mycologists of the area.
- ee) John C. Krug, a Ph.D. candidate studying under the supervision of Prof. Cain, has received a Post-Doctorate Fellowship to work 2 years (beginning November, 1969) with Dr. E. Miller at the Institut fur Spezielle Botanik, Eidgenossische Technische Hochschule, Zurich, Switzerland.
- ff) Dr. J.H.B. Garner of the East Tennessee State University will be on a post doctoral fellowship in the Department of Plant Pathology, North Carolina State University, Raleigh, working with Dr. Ellis B. Cowling and Dr. Larry Grand.
- gg) Working visits to the National Fungus Collections were made by both Americans (R.K. Benjamin, F. D. Kern, L. Frederick, J. A. Lawrence, and F. K. Sparrow) and foreigners who included J. S. Furtado of Brazil and N. F. Fabritius of Denmark (see also speakers listed in item F, IV, c 2).

III. AWARDS AND REWARDS

a) Degrees:

1. T. P. Gannutz received the Ph.D. degree in June, 1968, and is presently Research Associate at Clark University.
2. Michael McGinnis received the Ph.D. in mycology at Iowa State University in May under Dr. L. H. Tiffany.
3. John M. McCleary received an MS in Education from Temple University on May 26.

b) Promotions (!) and Promotions (?)

1. Dr. E. B. Gareth-Jones was promoted to Reader in the Department of Biological Sciences, College of Technology, Portsmouth, U. K., in September, 1968.
2. Prof. M. G. Anderson has been elevated to Associate Professor of Biology in the Towson State College at Towson, Md.
3. Dr. E. E. Nelson was promoted in place at the Forestry Sciences Laboratory, Forest Service, USDA, at Corvallis, Oregon.
4. Dr. K. G. Mukerji was promoted to Reader in Botany in the University of Delhi on April 18.

5. Dr. S. K. Dutta has been invited to act as Head, Department of Botany, Howard University, during the coming academic year.
6. Dr. R. H. Petersen was appointed Assistant to the Dean of Liberal Arts for student affairs at the University of Tennessee.
7. Prof. E. F. Morris will assume the chairmanship of the Department of Biological Sciences of Western Illinois University on July 1.
8. Dr. Thomas G. Pridham was recently appointed Acting Head of the ARS Culture Collection at the Northern Regional Research Laboratory. He is helping write the section on Actinomycetes for the new edition of Bergey's Manual of Determinative Bacteriology.
9. On March 15, Dr. J. A. Schmitt was named Acting Chairman of Academic Faculty Organismic and Developmental Biology at Ohio State University.
10. Prof. Vernon Ahmadjian will return to Clark University as Associate Dean of the Graduate School and Professor of Botany effective September 1.
11. Prof. Marcel V. Locquin has been appointed President of the new European Agricultural University.
12. Dr. Oswaldo Fidalgo is now the Director-in-Charge of the Instituto de Botanica in Sao Paulo, Brazil.
13. Prof. Gilberto C. Luzzardi has been named Department Chief of the Instituto de Pesquisas e Experimentacao Agropecuarias do Sul do Ministerio da Agricultura and Assistant Professor of Plant Pathology in the Faculdade de Agronomia of the Universidade Federal Rural do Sul-Pelotas in Brazil.

c) Awards

1. Dr. C. W. Hesseltine, Chief, Fermentation Laboratory, Northern Regional Research Laboratory, was appointed Chairman of the United States-Japan Natural Resources Panel on Toxic Micro-Organisms. This Panel, with its Japanese counterpart, held a 3-day Conference in Hawaii last October on toxic microorganisms. Approximately 70 papers were presented and all will shortly be published as a book.
2. Dr. Rene Pomerleau, CDFF, Forest Research Laboratory, Quebec, received the Maple Leaf award from the International Shade Tree Conference (Canadian Chapter) "for his dedication and leadership and for his outstanding contribution to Forest Research in Canada" on February 21, 1969, and the "Medaille Marie-Victorin" for 1968, from the "Foundation Marie-Victorin" for his outstanding contribution to botany in Quebec. He was also made an Honorary Member of the Quebec Society for the Protection of Plants on April 18, 1969, for his contribution to plant pathology. (from Canadian Phytopathological Society Newsletter)
3. Dr. R. P. Korf of Cornell University received a 2-year renewal of his NSF grant on Discomycetes, this time with emphasis on Caribbean studies.
4. Dr. J. J. Ellis, ARS Culture Collection, Northern Regional Research Laboratory, was recently reappointed to the Advisory Committee to the Collection of Fungi of the American Type Culture Collection.
5. Dr. C. W. Hesseltine, Chief of the Fermentation Laboratory, Northern Regional Research Laboratory, was recently appointed to the editorial board of Applied Microbiology.
6. Dr. J. M. Trappe, Forestry Sciences Laboratory, Forest Service, USDA, was elected President and Prof. Helen Gilkey of Oregon State University "Distinguished Scientist" of the Northwest Scientific Association.

7. INVITATIONAL PAPERS AND LECTURES

a) Individual Papers

1. Dr. Lindsay S. Olive, University of North Carolina, presented "Some new ideas on the origin and evolution of the mycetozoa" at the University of Iowa in March.
2. Dr. A. H. Smith talked about Boletes at the Annual Survivors Banquet of the Puget Sound Mycological Society.
3. Prof. William J. Koch of the University of North Carolina spoke on "Fungal Motile Cells" at Ohio University in February and the University of Georgia in April.
4. Dr. John A. Schmitt of Ohio State University presented a seminar entitled "Fungi in your environment" at Bowling Green State University on May 22.
5. "Mycoses among patients in Texas State Tbc hospitals, a four-year study" was given in June at Santa Fe by F. M. Townsend and J. M. Hale, Texas State Department of Health.
6. M. Huppert of the VA hospital in San Fernando, Calif., convened in May at Miami Beach a round table session at the annual meeting of the American Thoracic Society: "Immunology of systemic fungus infections."

7. Dr. Libero Ajello of the National Communicable Disease Center in Atlanta talked about "Pulmonary mycoses in Canada and the USA-epidemiological aspects" in April before the Congreso Latino Americano de Tuberculosis y Enfermedades del Aparato Respiratorio.
 8. Dr. K. G. Mukerji, University of Delhi, talked about sources of spores of allergenic fungi before the Patel Research Institute in Delhi on December 22, 1968.
 9. Dr. C. W. Hesseltine, Northern Regional Research Laboratory, presented a lecture on "Mycotoxins" at the Sixth European Feed Manufacturers Congress, Brighton, England, in the fall of 1968.
 10. Dr. S. O. Alasoadura, University of Ibadan, read a paper entitled "Some tropical Aquatic hyphomycetes" on April 3, 1969, during the annual conference of the Science Association of Nigeria held at the Ahmadu Bello University, Zaria, Nigeria, in April.
 11. In January, Dr. Richard P. Korf, Cornell University, addressed the Botany Seminar at the University of Toronto on the subject of "Ascospores and DeBary Bubbles in Operculate Discomycetes," in which a first peek at a proposed new classification of the Pezizales was provided.
 12. Dr. C. J. Alexopoulos out of Austin, Texas, spoke on fungi before the Pan-American Society of Allergists in March and on myxomycetes before the Southwestern Institute for Advanced Studies, Dallas, February; at Johns Hopkins and Purdue Universities in April; and at the University of Delaware and Southern Illinois University in May.
 13. J. K. Shields of the Forest Products Laboratory in Ottawa presented a paper on Biological determination in wood chip piles, at the 54th Annual Meeting of Technical Association of the Pulp and Paper Industry at New York City in February.
 14. Dr. C. L. Fergus lectured to the Biology Seminar at Pennsylvania State University on thermophilic fungi in May.
 15. Dr. D. G. Ahearn of Atlanta presented papers before both the ASM in Miami and the International Yeast Symposium in Holland on the ecology of yeasts in fresh waters.
- b) Symposium: North American Conference on Mycorrhizae (University of Illinois, April 1-3, Sponsors E. Hacskaylo, Forest Physiology Laboratory, FS, USDA, Beltsville, Md., and J. W. Gerdeman, Department of Plant Pathology, University of Illinois, Urbana.) Many MSA members were among the 55 attendees who listened to 18 prepared invitational and 11 informal short papers discussing cumulated knowledge and current research on taxonomy, physiology, interactions, and ecology of the symbionts. The invitational papers in order of presentation follow:
- Introductions and Opening Remarks: W. M. Bever, J. W. Gerdemann, and E. Hacskaylo.
- Session I. Moderator: O. K. Miller, Jr., USDA, Forest Service, Maryland
- "Taxonomy of Ectotrophic Mycorrhizal Fungi", A. H. Smith, Univ. of Michigan
 - "Taxonomy of Endotrophic Mycorrhizal Fungi", J. W. Gerdemann, Univ. of Illinois
 - "Mycorrhiza-Forming Ascomycetes", J. M. Trappe, USDA, FS, Oregon
 - "Characterization and Classification of Douglas-Fir Mycorrhizae", B. Zak, USDA, FS, Oregon
- Session II. Moderator: T. F. Furman, University of New Hampshire
- "Development of Ectendotrophic Mycorrhizae in Red Pine in Relation of Cycles of Root Growth", H. E. Wilcox, State Univ. of New York, Syracuse
 - "Some Aspects of Tree Root Distribution", M. V. Bilan, Stephen F. Austin State College, Texas
- Session III. Moderator: L. E. Casida, Jr., Pennsylvania State University
- "Ectotrophic Mycorrhizae as Biological Deterrents to Pathogenic Root Infections", D. H. Marx, USDA, FS, Georgia
 - "Effect of Nematodes on Root-Inhabiting Fungi", J. W. Riffle, USDA, FS, New Mexico
 - "Non-Pathogenic Microorganisms Associated with Mycorrhizae", C. B. Davey, North Carolina State University
 - "Biological Weathering and Possible Nitrogen Fixation by Mycorrhizal Systems", G. K. Voight, Yale University
- Session IV. Moderator: K. D. Doak, Hebron, Indiana
- "Physiological Requirements of Mycorrhizal Fungi in Pure Culture", J. G. Palmer, USDA, FS, Maryland
 - "Physiological Interactions in Endotrophic Mycorrhizae", Lynn Gray, USDA, Agricultural Research Service, Illinois
- Session V. Moderator: J. A. Fortin, Universite Laval
- "Formation of Ectotrophic Mycorrhizae in Relation to Light, Carbohydrates, and Auxins", V. Slankis, Canada Dept. Forestry, Ontario

- "Growth Substances--Cytokinins", C. O. Miller, Indiana University
 "Metabolite Exchanges in Ectofrophic Mycorrhizae", E. Hacskaylo, USDA, FS, Maryland
Session VI. Moderator: Earl L. Stone, Cornell University
 "Research on Mycorrhizae in the East European Countries", S. A. Wilde,
 University of Wisconsin
 "Field Inoculations with Mycorrhizal Fungi", J. A. Vozzo, USDA, FS, Mississippi
Critique: A. B. Hatch, Peterboro, New York

Information about the symposium and the proposed publication may be obtained from E. Hacskaylo (83).

c) Colloquia

1. The first meeting of the Triangle Mycocolloquium was convened by R. T. Moore in the presence of a seafood buffet at the Faculty Club, North Carolina State University, with 30 mycologists representing the host school, the University of North Carolina, Duke, and agencies in the Raleigh-Durham Research Triangle on February 7. The second meeting in the Forestry Sciences Laboratory, USDA, Forest Service, heard C. H. Bland of UNC at Chapel Hill present "Structure and development in some genera of the Actinoplanaceae." Subsequent regular meetings and forays are planned.
2. MSA members visiting the Washington, D. C. area may wish to drop in on the informal Tuesday luncheons at the Plant Industry Station, Beltsville, Md. A broad range of mycology subjects were discussed during 1968-69 by members from the National Fungus Collections and mycologically oriented groups in the Agricultural Research Service, Forest Service, and American Type Culture Collection. Prominent visitors who addressed the group included R. Singer, Field Museum, Chicago; G. Bruchet, Laboratoire Mycologie, Lyon, France; R. W. Lichtwardt, University of Kansas; J. M. Trappe, Forestry Sciences Laboratory, Corvallis, Ore.; J. A. Fortin, Laval University, Quebec city; and W. C. Denison, Oregon State Univ.

V. RETIREMENTS, ILLNESSES, DEATHS

- a) Grant D. Darker of the Mycology Section, Plant Research Institute, Ottawa, Ontario, retired on December 23, 1968, at age 70.
- b) Dr. Francis J. Scully (84) is now retired.

Since publication of Volume XIX, Number 2, Newsletter, in December, 1968, the following members of the Mycological Society of America have been reported deceased.

E. B. Mains died on December 23, 1968. He was a charter member and past president of the Society and had been a life member for some years. A Biography will appear in Mycologia in the near future.

Bessie B. Kanouse died on February 4, 1969. She was a charter member of the Society and had been an emeritus member since 1961. There will probably be a biography in Mycologia at a later date.

VI. MATCHES AND HATCHES

- a) Dr. Joanne C. Tontz was married to Dr. M. Lawrence Ellzey, Jr., on January 25, in Austin, Texas.
- b) Chytra Marie was born to Audrey and Thomas Booth in Vancouver, British Columbia.
- c) Patrick Andrew was born February 16, and was adopted May 9, by the W. G. Thies's.
- d) Dr. and Mrs. Lung-Chi Wu announce birth of a son, Chia-Chin, on April 14, in Taiwan.
- e) Michael Alexander arrived on December 5, 1968, to Tony and Marjie (Christansen) Pollice in New York.

G. CORRESPONDENT ADDRESSES

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- (2) Veterans Administration Hospital, 13000 Sayre St., San Fernando, Calif. 91342
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- (4) National Communicable Disease Center, 1600 Clifton Road, Atlanta, Ga. 30333
- (5) Shade Tree Laboratories, University of Massachusetts, Amherst, Mass. 01002
- (6) 202 Buckout Laboratory, Pennsylvania State University, University Park, Pa. 16802
- (7) University of Ibadan, Ibadan, Nigeria
- (8) Department of Botany, University College of Wales, Aberystwyth, U. K.
- (9) I.P.E.A.S. - Pelotas, Brasil, Caixa Postal = "E"
- (10) National Taiwan University, Taipei, Taiwan, China ;(Dept. Plant Pathology & Entomology)
- (11) Forestry Sciences Laboratory, USDA, Forest Service, Box 887, Corvallis, Ore. 97330
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- (53) The New York Botanical Garden, Bronx Park, New York, N.Y. 10458
- (54) Division of Biology, Kansas State University, Manhattan, Kans. 66502
- (55) International Cellulose Research Ltd., Hawkesbury, Ontario, Canada
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- (60) Dept. of Biology, Union College, Barbourville, Kentucky 40906

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 (67) Institut for Sporeplanter, Ø, Farimagsgade 2 D, DK-1353, Copenhagen K, Denmark
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 (88) Dept. of Botany, 297 Morrill Hall, University of Illinois, Urbana, Ill. 61801
 (89) American Type Culture Collection, 12301 Parklawn Drive, Rockville, Md. 20852

H. MYCOLOGICAL MISCELLANY

Dr. Jorge E. Wright has resigned as chairman of the Department of Biology at the University of Buenos Aires to devote full time to mycological research, and Maria E. Belaval has transferred from the research to the clinical laboratory of the VA hospital in San Juan, Puerto Rico.

Dr. D. G. Ahearn (39) will answer inquiries about the colloquium, "Recent trends in yeast research," scheduled for August 11-17, at Chazy, New York.

Mrs. Paul H. Weaver (85) has many Ascomycetes and Basidiomycetes in a personal herbarium of Minnesota fungi, will lend specimens, and hopes to increase knowledge of species distributions within that State.

The mycological collection in the Herbarium of the Escuela Nacional de Ciencias Biologicas (ENCB) in Mexico City has more than 9,000 specimens, principally macrofungi. Exchanges are sincerely desired: contact Dr. Gaston Guzman (26).

Drs. R. Seymour, University of Pittsburgh, and S. P. Meyers, L.S.U., are compiling a world-wide directory of aquatic (both fresh water and marine) mycologists with a short summary of their current researches. Involved mycologists should write to Dr. Seymour (86).

Dr. Jan Kohlmeyer must delete abstracting articles appearing in Mycologia and Journal of the Elisha Mitchell Scientific Society and mycological books published in the United States. Therefore, Excerpta Botanica, the botanical abstract journal, is looking for mycologists interested in preparing abstracts of mycological literature published in the U.S.A. For information about procedures and royalties, contact the editor, Mrs. I.-A. Follmann-Schrag (87).

BOTANICUM LATINUM TRANSLATUM orum whateverum! Dr. D. P. Rogers (88), who translates English into correct botanical Latin with advance arrangements, notes that a full description need not be translated but only a diagnosis, which should include all diagnostic characters of the taxon.

LATIN-CONTINUUM - PREVIOUSUM ERRATUM! Dr. Luis A. Roure(32) noted a case of NOMINA CONFUSA (this is his Latin, neither Dr. Rogers' nor the editor's) on pg. 9 (Item G-I-n) of the Vol. 19, No. 2, December, 1968, Newsletter ascribing "a study of the fungi responsible for asthmatic bronchitis and allergic rhinitis" to Dr. Betancourt, but he (Dr. Roure) is in actuality the organism responsible for that sort of thing there. Sorry about that (Editor)!

Drs. W. A. Clark (89) of the ATCC (of whom interested mycologists should inquire) and W. C. Haynes of the NRRL solicit opinions on the need, purposes, and organization on a proposed Federation of U.S. Culture Collections. Suggestions for topics of interest to culture collection personnel planned for a roundtable at the 1970 ASM meeting in Boston would be most welcome.

The first Northwest Ascomycete Foray attended by 28 collectors was held May 2-4 at the Bear Springs Ranger Station, Mt. Hood National Forest, in Oregon according to J. M. Trappe (11), who predicts involvement of an annual event.

Information and application forms may be obtained from the Training Office, Laboratory Division (4) concerning laboratory training courses to be presented at the center between August 4, 1969, and June 26, 1970,

A zoologist (M. R. Carriker), a physiologist-engineer (L. A. Geddes), and a MD with background in mathematics, chemistry, and physics (A. R. Kahn) were appointed to 3-year terms in March on the BioInstrumentation Council of the AIBS. The Council of multi-disciplinary specialists meets regularly to advise the Executive Secretary and AIBS, suggesting policy and reviewing fields of the life and physical sciences in order to determine priorities for the tasks that the staff is to undertake.

The medical mycology laboratory has moved into larger laboratories in the new research building of the Harvard School of Public Health at 665 Huntington Avenue, Boston, Mass. 02115, (next door to the old address of 1 Shattuck Street).

The State Department of Agriculture in Sao Paulo, Brazil, has approved division of the Cryptogamic Section of the Instituto de Botanica into three new sections: Mycology and Lichenology, Phycology, Bryology and Pteridology.

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POEMS

KERATINOPHILIC TRIUMPH

By
Joy Eastland

Arthroderma glorieae
In sectors was distinguished
And Nannizzia gypsea
in the baited petri plates.
Production was amazing
We watched with baited breath
(But the non-ascosporic sectors
Lay in the sleep of death).
The latter never fruited
Although we watched in vain
But keratinophilic fungi
Have been produced again!

6 Valdez Circle
Dugway, Utah 84022

RUST GOD ROBIGUS

By
A. V. Sathe

Oh mighty rust god Robigus,
We know you are a fungus.
Puccinia graminis tritici thy name
Destruction of wheat crop thy fame
Four stages that your life cycle carries,
Half on wheat and half on barberries.
Uredia, telia, pycnia and aecidia,
All are jumbling in the host media.
Aecia are the spring spores, uredia of summers,
Telia appear with the spores, as winter hammers.
After a winter sleep, peeps out a basidiospore,
Which on the leaf of barberry drills a pore.
On the plant of barberry is the act of fusion,
Mode of travel to the aecium, still a confusion.
Aeciospores carry the message of destruction,
Whose mycelia on wheat build their construction.

Maharashtra Association
for the Cultivation of Science,
Poona 4, India

