

R. D. Goos
Mycological Society of America

NEWSLETTER



*John
Nathaniel
Couch*

* * *

Twelfth
President
of the Society,
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MYCOLOGICAL SOCIETY OF AMERICA NEWSLETTER

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Aligned and Typed by
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CONTENTS

A.	PRESIDENT'S LETTER	3
B.	AFFILIATED SOCIETIES	4
C.	SUSTAINING MEMBERS OF THE SOCIETY	4
D.	ANNOUNCEMENTS	5
E.	PROFESSIONAL INFORMATION	
	I. NEW MYCOLOGICAL RESEARCH PROJECTS	5
	II. COURSES IN MYCOLOGY	7
	III. FUNGI FOR DISTRIBUTION	7
	IV. FUNGI WANTED	8
	V. FUNGI: IDENTIFICATION OF CULTURES AND SPECIMENS	9
	VI. MYCOLOGICAL ITEMS FOR SALE, EXCHANGE, OR LOAN	10
	VII. MYCOLOGICAL PUBLICATIONS NEEDED	11
	VIII. VACANCY FOR MYCOLOGIST WITH RECENT BACHELOR'S DEGREE	12
	IX. AVAILABLE GRADUATE STUDENT ASSISTANTSHIPS	12
	X. STUDENTS EXPECTING DOCTORATES LOOKING FOR EMPLOYMENT	13
	XI. GRADUATES AT BACHELOR'S OR MASTER'S LEVEL FOR EMPLOYMENT	14
F.	PERSONAL INFORMATION	
	I. MYCOLOGISTS WITH NEW AFFILIATIONS	14
	II. TRAVELING MYCOLOGISTS	14
	III. AWARDS AND REWARDS	15
	IV. INVITATIONAL PAPERS AND LECTURES	16
	V. RETIREMENTS - ILLNESSES	17
	VI. DEATHS	18
	VII. MATCHES AND HATCHES	18
G.	CORRESPONDENT ADDRESSES	18
H.	LETTER TO THE EDITOR	20

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Dr. J. N. Couch

THE MYCOLOGICAL SOCIETY OF AMERICA

FOUNDED DECEMBER, 1931

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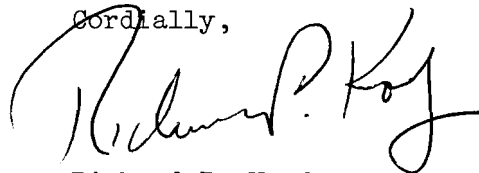
To the Members of the Mycological Society of America:

By the time this letter is published, the Annual Meeting of the Society will have been held at Edmonton, Alberta, but still to be looked forward to will be the First International Mycological Congress at Exeter, England, September 7th to 16th, 1971. And following that the Society will hold its Annual Foray on September 24th to 26th at Warrensburg, New York, in the Adirondack Mountains. Last year the group organizing the annual Charles Horton Peck Forays in and around New York State agreed to affiliate with the Society as a Regional Foray. The Warrensburg foray will be a joint regional (the 17th annual) and national meeting for the Society, as arranged by the Foray Committee.

The Society will lose this year the services of two of its most dedicated supporters, Dr. Robert L. Shaffer having completed his term as Secretary-Treasurer, and Dr. John T. Palmer stepping down as Editor of the MSA Newsletter. Into and out of their two offices flows most of the day to day work of the Society, and to their efficiency and good humor we, as members, are in very real debt.

It has, I can assure you, been a great honor for me to serve as your President during this past year. If I didn't see you at Edmonton, here's hoping we can meet at Exeter, or Warrensburg, or both!

Cordially,



Richard P. Korf
President

rpk/me

B. *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, Frank C. Helwig, Jr., Treas., 1099 Massachusetts Ave., Lexington, Mass. 02176.
- Le Cercle des Mycologues Amateurs de Quebec, Pavillon des Sciences Pures, Cite Universitaire, Ste.-Foy, P.Q. Canada.
- The North American Mycological Association, Harry S. Knighton, 4245 Redinger Road, Portsmouth, Ohio 45662.
- Oregon Mycological Society, Inc., Donald Goetz, Reg. Agent, 6548 S.E. 30th Avenue, Portland, Ore. 97202.
- Société Mycologique de France, 36 rue Geoffroy-Saint-Hilaire, Paris V^e, France.

C. *SUSTAINING MEMBERS OF THE SOCIETY*

- Abbott Laboratories, North Chicago, Ill. 60064. Pharmaceutical products for the medical profession since 1888.
- Aersol Techniques, Inc., 432 Frog Town Road, New Canaan, Conn. 06840.
- American Optical Corp., Scientific Instrument Division, Buffalo, N.Y. 14215. 125 years of leadership in optics and 115 years of progressive achievement in microscopes.
- BEL, Division of BioQuest, 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. 08101.
- Difco Laboratory Products, 920 Henry St., Detroit, Mich. 48201. The complete line of micro-biological reagents and media.
- Hoffman-La Roche, Inc., Nutley, N.J. 07110. Pharmaceuticals, vitamins and aromatic chemicals.
- Lane Science Equipment Co., 105 Chambers St., New York, 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 Co., 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, 1430 Waukegan Rd., McGaw Park, Ill. 60085. Supported by companies dedicated to the biological sciences. (Member company names on request)
- The Squibb Institute for Medical Research, E. R. Squibb & Sons., Division of Olin Mathieson Chemical Corp., New Brunswick, N.J. 08903.
- The Upjohn Company, Kalamazoo, Mich. 49001. Fine pharmaceuticals since 1886.
- Wallerstein Company, Division of Travenol Laboratories, Inc., 125 Lake St., Staten Island, N.Y. 10303. Research and production of enzymes and fermentation chemicals.
- Warner-Lambert Research Institute, Warner-Lambert Company, Morris Plains, New Jersey 07950.

D. ANNOUNCEMENTS

I. Drs. Milton Huppert and Sung Huang Sun announce relocation of staff and facilities of the Mycology Research Laboratory, Veterans Administration Hospital, San Fernando, CA, which was destroyed in the earthquake of February 9. None of their people or their families were injured, but several sustained losses in their personal belongings. A substantial portion of their equipment was salvaged, and they recovered their culture collection. "---No cultures were broken - a testimonial to using screw-cap prescription bottles--but all were exposed to heavy concentrations of chemical fumes---." Currently subcultures are being made to assess viability. They thank MSA members for being such very nice people.

The new address: MYCOLOGY RESEARCH LABORATORY
Veterans Administration Hospital
Wadsworth, Wilshire and Sawtelle Blvds.
Los Angeles, CA 90073

II. Drs. P. E. Nelson (1)* and T. A. Toussoun will direct the new FUSARIUM RESEARCH CENTER in the Department of Plant Pathology at Pennsylvania State University. The Center currently serves as a resource nucleus providing identification, methods of culture, and isolates. At present the collection contains more than 2600 isolates (*Fusarium* spp.), which are world-wide in distribution. Information about function, purposes, cooperative researches, and plans for post-doctorate scholar and researcher attendance may be obtained from Paul E. Nelson (1).

III. A relocation of which the editor is sure you are aware is that of the Beltsville Forest Disease Laboratory at Laurel, MD to CENTER FOR FOREST MYCOLOGY RESEARCH, Forest Products Laboratory, P.O. Box 5130, North Walnut Street, Madison, WI 53705, effective July 1.

IV. The FIRST INTERNATIONAL MYCOLOGICAL CONGRESS will meet at the University of Exeter in Devon, England, from September 7 through 16, 1971.

V. The SECOND NATIONAL BIOLOGICAL CONGRESS, sponsored by the AIBS, will continue interest in a better public understanding of environmental problems and the efforts of scientists, especially biologist biologists, to resolve them at the Fontainebleau Hotel, Miami Beach, FL, 23-26 October. For information contact Ann Barker (2).

VI. The ATCC announces publication of its new Catalogue of Animal Viruses, Rickettsiae and Chlamydiae (4th Edition). This Catalogue describes approximately 600 prototypic or other strains of special research interest which are available for distribution from the American Type Culture Collection. To defray cost of publication and mailing (first class mail) a charge of \$2.50 is made for Catalogues shipped within the United States and Canada and \$3.25 for shipment abroad. Address orders to: Collection of Animal Viruses and Rickettsiae (3).

VII. A translation (No. TT70-50078) of Bondarzew, A. S. 1953. The Polyporaceae of the European USSR and Caucasia. Akad. Nauk SSSR Botan. Inst. V. L. Komarova. Leningrad, 1106 p. by Z. Shapiro, edited by Dr. E. Rabinovitz, Israel Program for Scientific Translations Ltd., and printed in Israel. Price \$9.00. Make check payable to: National Technical Information Service, USDC (4).

VIII. Information about and application forms for Laboratory Training Courses scheduled by the Laboratory Division of the Center for Disease Control (formerly National Communicable Disease Center) in Atlanta may be obtained by writing to the Training Office (5).

E. PROFESSIONAL INFORMATION (The number in parentheses following the name(s) cites the address for contact (see Section G, which begins on p.18).

I. NEW MYCOLOGICAL RESEARCH PROJECTS

* See p.18-CORRESPONDENT ADDRESSES.

- a. Myxomycetes
1. A world monograph of the Dianemaceae. (D. T. Kowalski (6)).
 2. Ultrastructure and developmental morphology of Pocheina (Guttulina). (Sheue Heng Wu (7)).
 3. Changing isozyme patterns during development and ageing of myxomycete amoebae populations. (I.K. Ross (8)).
 4. Myxomycete amoebae as a model system for studying cell communication. (Ibid.)
- b. Phycomycetes
1. Taxonomic revision of the Thamniaceae (Mucorales). (G. L. Benny (9)).
 2. Comparative studies on alcohol dehydrogenase in Mucorales. (F. H. Gleason (10)).
 3. The preparation of scientific films--Saprolegniaceae and Thraustochytriaceae. (A. Gaertner (11)).
 4. Lipid metabolism in zoospores of water molds. (J. Clausz (12)).
 5. Meiosis in the water molds--An ultrastructural study. (Ibid.)
- c. Ascomycetes
1. Monographic studies in the Sclerotiniaceae and other related Discomycetes. (K. P. Dumont (13)).
 2. Taxonomy and distribution of western U. S. Hysteriales. (H. Goree (14)).
 3. Differentiation of sex and compatibility in Ceratocystis ulmi (Buisman) C. Moreau. (F. W. Holmes (15)).
 4. Ultrastructure of ascus development in Ascoidea. (Margaret Nesom (7)).
- d. Leichens: Effects of gamma irradiation on lichens and lichen fungi. (F. H. Erbsch (16)).
- e. Basidiomycetes
1. Monograph of the world species of Tomentella. (M. J. Larsen (17)).
 2. Monograph of the genus Leucogaster. (R. Fogel (18)).
 3. A monograph of Boleti. (M. V. Locquin (19)).
 4. A monograph of Lepiotae. (Ibid.).
 5. A monograph of Coprini. (Ibid.)
 6. Study of Rhodophyllaceae of the Pacific coast. (D. L. Largent (20)).
 7. Taxonomic survey of southwestern Boletes. (H. D. Thiers (21)).
 8. A chromatographic analysis of pigments in genus Suillus. (Ibid.)
 9. Genetical study on mutations of Schizophyllum commune. (S. Chang (22)).
 10. Genetical and morphogenetical studies of Volvariella volvacea. (Ibid.)
 11. Developmental physiology of Coprinus lagopus basidiocarps. (H. P. Schaefer (23)).
- f. Deuteromycetes (Fungi Imperfecti)
1. Growth and sporulation of Pithomyces chartarum. (L. L. Whitlock (24)).
 2. Phagocytosis of Cryptococcus neoformans by lung macrophages. (G. S. Bulmer (25)).
 3. Immunochemical studies of pathogenic Dematiaceous fungi. (Y. Al-Doory (26)).
- g. Multigroupings and Miscellaneous
1. Ultrastructure of protostelids and simple myxomycetes. (C. Y. Hung and L. S. Olive (7)).
 2. Taxonomic survey of Oregon coastal macromycetes. (J. M. Trappe (27)).
 3. Identification and classification of fossil fungal spores. (W. C. Elsik (28)).
 4. Study of fungal succession in coniferous forests. (D. L. Largent (20)).
 5. Mutagenesis of fungi. (Deirdre C. Maguire (29)).
 6. Fungi as food for small mammals. (J. M. Trappe (27)).
 7. Ecology and systematics of marine higher fungi, with emphasis on the lower Chesapeake Bay. (P.W. Kirk (30)).
 8. Meiosis in the water molds--an ultrastructural study. (J. Clausz (12)).
 9. Research on the mycoflora in the excrements of poultry. (T. Dominik (31)).
 10. Effects of pesticides on beneficial soil fungi. (J. W. Whaley (32)).

11. Mycotoxins produced by fungi found in or on foods. (Miriam K. Slifkin (33))
12. Analysis of feeds (animal) for aflatoxins. (L. L. Whitlock (24)).
13. Characterization of unknown lipids in fungal spores. (D. J. Weber (34)).
14. Identification of sterols and hormones in fungi. (H. E. Bloss (35)).
15. The very high incidence of skin candidiasis, skin geotrichosis, and (?) versicolor at Mayaguez, PR. (L. A. Roure (36)).
16. A study of the morphology of fungi in human and animal tissue and its relationship to the pathogenesis of the lesions. (P.K.C. Austwick (37))
17. Diseases of woody plants important to wildlife and recreation in the Rocky Mountains. (R. G. Krebill (38)).
18. Gene centers of plants as sources of resistance for fungus diseases. (E.E. Leppik (39)).
19. Mycorrhizae. (I. Ho. (40)).
20. Effects of forest fertilization on mycorrhizae formation. (L. F. Grand (41)).
21. Effect of herbicides on the mycorrhizae and soil fungi. (T. Dominik (31)).
22. Analyses of fungal populations in seleniferous soils. (J. I. Pitt (42)).

II. COURSES IN MYCOLOGY (1971-72)

- a. Hong Kong: Fungal genetics (Applied Mycology; no dates given. (S.T. Chang and Y.S. Ban respectively (22))).
- b. United States
 1. Arizona: Medical Mycology; second semester (1971-72). (C.R. Leathers (43)).
 2. California: Lichenology; summer (1971). (D. L. Largent (20)).
 3. California: Agaricology; no dates given. (H.D. Thiers (21)).
 4. California: Methods in experimental mycology (undergraduate), winter (1971); Function and structure of coenocytic fungi (graduate), winter (1971); Developmental mycology (lecture only in Spring, 1972). (I. K. Ross (8)).
 5. Idaho: Mushroom identification (8-week accelerated course in October-November, 1971). (E. E. Tylutki (44)).
 6. Massachusetts: Introductory mycology (Undergraduate and teachers in the college extension); no dates given. (A. Thurston (45)).
 7. North Carolina: Introductory mycology; no dates given. (J. Clausz (12)).
 8. Pennsylvania: Advanced mycology; spring, 1972. (D. A. DeFigio (46)).
 9. Utah: Physiology of fungi; spring, 1972. (D. J. Weber (34)).
 10. West Virginia: Medical mycology 325 (Study of fungi pathogenic for man and animals); fall, 1971. (R. S. Pore (47)).

 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 request for permits will be given prompt attention.

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

- a. Phycomycetes
 1. Mortierella wolfii in fixed bovine tissue from New Zealand (s). (P.K.C. Austwick (37)).
 2. Pythium spp. (c) (O. Vaartaja (48)).
 3. Thraustochytriaceae (A. Gaertner (11)).
- b. Ascomycetes
 1. Ceratocystis ulmi ((c) of various isolates) and perithecia (s) from deliberate crosses on elm twigs. (F. W. Holmes (15)).
 2. Gymnoascaceae (c). (G. F. Orr (49)).
- c. Basidiomycetes
 1. Volvariella volvacea (c). (S. Chang (22)).
 2. Gasteromycetes (cs). (V. Demoulin (62)).
- d. Deuteromycetes (Fungi Imperfecti)
 1. Fusarium spp. isolates (c). (P. E. Nelson (1)).
 2. Phymatotrichum omnivorum (c). (H. E. Bloss (35)).

e. Miscellaneous

1. Protothecia spp. (c). (R. S. Pore (47)).
2. Marine higher fungi (cs). (P. W. Kirk (30)).

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

a. Myxomycetes

1. Badhamia gracilis, Didymium nigripes, D. squamulosum, Physarella oblonga, recent collections. (T. W. Gaither (50)).
2. Fuligo septica (s). (R. G. Franke (51)).
3. Fuligo septica, Hemitrichia serpula (s). (K. L. Braun (52)).
4. Licea tenera and Dianemaceae (cs). (D. T. Kowalski (6)).

b. Phycomycetes

1. Phascolomyces, Mycotypha, and Thamniaceae (Chaetocladium, Chaetostylum, Cokeromyces, Helicostylum, Thamnidium). (G. L. Benny (9)).
2. Pythium spp. (c). (O. Vaartaja (48)).
3. Olpidiopsis sp. on Saprolegnia ferax (c). (I. B. Heath (53)).
4. Family Endogonaceae (s). (J. M. Trappe (27)).
5. Family Saprolegniaceae (cs). (R. Seymour (54)).

c. Ascomycetes

1. Allesheria boydii (Fixed, blocked, or sectioned tissue from human or animal infections). (P. K. C. Austwick (37)).
2. Ceratocystis ulmi (Graphium ulmi) (c) from various identified parts of U.S. for study of mating type and sex. (F. W. Holmes (15)).
3. Elaphomyces and other Tuberales (s). (J. M. Trappe (27)).
4. Endothia spp. (cs). (R. J. Stipes (55)).
5. Glomerella from legumes (c). (G. Templeton (56)).
6. Ophionectria spp. (cs) and tropical Hypocreales. (Amy Y. Rossman (18)).
7. Plectania, Pseudoplectania, Sarcosoma, Urnula, and other genera, Family Sarcosomataceae (fresh (s) suitable for (c)). (J. W. Paden (57)).
8. Gymnoascaceae and related groups (cs). (G. F. Orr (49)).
9. Hysteriales (Loculoascomycetes only) (s). (H. Goree (14)).
10. Taphrinales and Protomycetales (cs). (C. L. Kramer (58)).

d. Basidiomycetes

1. Colus, Laterna, or Pseudocolus (s). (W. R. Burk (59)).
2. Fistulina hepatica and varieties. (c) with information on maintenance. (J. E. Wright (60)).
3. Hymenochaete (cs). (D. A. DeFigio (46)).
4. Lepiota sp. sensu lato, especially from western U.S. (s). (W. J. Sundberg (61)).
5. Lycoperdon from the western U.S. and Canada (s). (J. N. Holliday (14)).
6. Rust fungi on Ephedra (Gymnosperms). (E. E. Leppik (39)).
7. Any parasitic Dacrymycetales fixed in liquid preservative (s). (J. L. Cunningham (3)).
8. Gasteromycetes, especially Lycoperdon (s). (V. Demoulin (62)).
9. Rhodophyllaceae, particularly of the Pacific coast (cs). (D. L. Largent (20)).
10. Smut fungi, especially with viable spores (s). (M. D. Whitehead (63)).
11. Tremellales (c). (T. Rockett (58)).
12. Hypogeous Basidiomycetes (s). (J. M. Trappe (27)).
13. Volvariella spp. or other edible fungi which will produce basidiocarps in the laboratory. (E. V. Crisan (64)).

e. Deuteromycetes (Fungi Imperfecti)

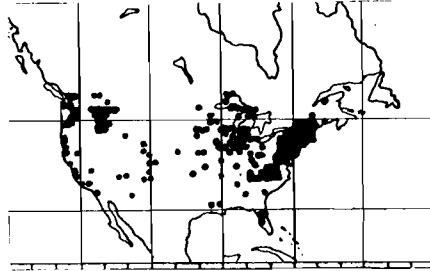
1. Aspergillus spp. (other than A. fumigatus), Cephalosporium spp., and Penicillium spp. in fixed, blocked, or sectioned tissue from human or animal infections (P.K.C. Austwick(37)).
2. Aureobasidium (Pullularia) pullulans, recently isolated strains (c). (J. A. Schmitt (54)).
3. Circinotrichum, Gyothrix, Trichocladium, Tuberculina, and Volutina (cs). (J. L. Cunningham (3)).
4. Fusarium spp. (c). (P. E. Nelson (1)).
5. Gloeosporium sp. from legumes (c). (G. Templeton (56)).
6. Phymatotrichum spp. (H. E. Bloss (35)).

f. Miscellaneous

1. Prototheca spp. (c). (R. S. Pore (47)).
2. Mycorrhizal fungi (c). (J. W. Whaley (32)).
3. Parasites of western browse plants (s). (R. G. Krebill (38)).

g. Special Requests

1. V. Demoulin (62) is preparing a world monograph of the genus Lycoperdon and needs specimens from scarcely collected areas in North America, especially western Canada and the states of Alabama, Alaska, Arkansas, Georgia, Louisiana, Mississippi, Missouri, South Carolina, and other areas in which collections have been relatively scarce (see map below).



2. W. C. Elsik (28) would like to correspond with anyone researching the morphology of fungal spores, would appreciate an overall/specific classification to the Fungi Imperfecti including keys, and wonders if fossil fungal spores should be relegated to the Fungi Imperfecti.
3. The following is excerpted from an inquiry of P. Blegen (88) to R. T. Moore at Raleigh, NC, seeking a fungus that conforms to the following parameters: Must be (is probably) ever-present in man and vertebrate animals alike and capable of invading and/or thriving on cut flax, cotton fibers, wool, (leather) hide, probably timber, in dried soil, and perhaps dry slime or rock. It must be capable of attacking all (human and quadruped) flesh, including bone, but not likely to cause death early: this probably means it will be found in the blood, rather than tissue, per se, capable of thriving only in an environment which is characterized by an imbalance in the natural nutrient structure of its host; definitely thrives on a variety of dead protein matter, though not necessarily exclusively when it is active (use of 'active' loosely to mean thriving or growing, or whatever it takes to become visible to the naked eye and produce an effect in its host), be an intense greenish or intense reddish; but the greenish may take on a pale golden (yellowish) and the reddish purplish or chocolate hue, capable of thriving in darkish surroundings without exposure to direct sunlight as well as in direct sunlight. Capable of both spreading and/or penetrating (a) in man and animal locally or when 'active' much or the entire body causing a variety of effects and in flax and other plants, a scatter pattern, somewhat frisked (similar to the pattern of fairy ring mushrooms). If it does not spread within, it must penetrate its host, whether or not this means actual utilization of its immediate tissue for growth. Recurring as manifested in flax and cotton and wool by its persistence after rinsing with clear water, even violent rinsing: I doubt that even a sort of scrubbing would halt its growth. Recurrence in man and animal tissues would be evident in its LGP (see #8) which might be interrupted and resumed, and recurrence in dried soil, slime, timber, and (possibly) rock, would probably be evident in contagion. If the infected portion be removed, it would soon become active elsewhere in the close-by surroundings, a Logarithmic Growth Phase (LGP) of 6-7 and 12-13 days.

V. FUNGI: IDENTIFICATION OF CULTURES AND SPECIMENS

a. Myxomycetes

1. Myxomycetes (s). (M. V. Locquin (19) and K. L. Braun (52)).
2. Myxomycetes (cs). (D. T. Kowalski (6) and C. J. Alexopoulos (64)).

- b. Phycomycetes
1. Pythium spp. (c). (O. Vaartaja (48)).
 2. Endogonaceae (s). (J. M. Trappe (27)).
 3. Thamnidaceae (cs). (G. L. Benny (9)).
 4. Saprolegniaceae (cs). (R. Seymour (54)).
- c. Ascomycetes
1. Ceratocystis ulmi (c) by mating against standards. (F. W. Holmes (15)).
 2. Elaphomyces and Tuberales (s). (J. M. Trappe (27)).
 3. Ophionectria spp. (cs). (Amy Y. Rossman (18)).
 4. Hyaloscyphaceae with colored hairs (s). (J. H. Haines (65)).
 5. Hysteriales (Loculomycetes only) of North America (s). (H. Goree (14)).
 6. Gymnoascaceae with advance arrangements (cs). (G. F. Orr (49)).
 7. Polyporaceae (s). (J. W. Paden (57)).
 8. Marine Ascomycetes (cs). (J. J. Kohlmeyer (66)).
 9. Marine Ascomycetes. (P. W. Kirk (30)).
- d. Lichens: Lecanora subfusca group or Alectoria from North America (s). (I.M. Brodo (67)).
- e. Basidiomycetes
1. Coprinus, Lepiota, and Gasteromycetes (s). (M. V. Locquin (19)).
 2. Hymenochaete (s). (D. A. DeFigio (46)).
 3. Boletaceae and Polyporaceae (s). (L. F. Grand (41)).
 4. Lycoperdales and Sclerodermatales (s). (V. Demoulin (62)).
 5. Polyporaceae and Thelephoraceae with advance arrangements (s). (M. J. Larsen (17)).
 6. Rhodophyllaceae, particularly of west coast (cs). (D. L. Largent (20)).
 7. Hypogeous Basidiomycetes (s). (J. M. Trappe (27)).
- f. Deuteromycetes (Fungi Imperfecti)
1. Chrysosporium sp. (T. Dominik (31)).
 2. Fusarium spp. (c). (P. E. Nelson (1)).
 3. Gyrothrix, Trichocladium, and Tuberculina (cs). (J. L. Cunningham (3)).
 4. Penicillium (c). (J. I. Pitt (42)).
 5. Marine Deuteromycetes (cs). (J. J. Kohlmeyer (66)).
 6. Marine Fungi Imperfecti. (P. W. Kirk (30)).
- g. Miscellaneous or Multigrouping
1. Prototheca (cs). (R. S. Pore (47)).
 2. California fleshy fungi (s). (H. D. Thiers (21)).

VI. MYCOLOGICAL ITEMS FOR SALE, EXCHANGE, OR LOAN

- a. Literature for sale
1. Reprints: (a) Forest Pathology: 2800 reprints or bulletins, (b) Plant pathology: 1500 reprints or bulletins, (c) Mycology: 1800 reprints or bulletins.
Bull. Soc. Mycol. de France: 1954 to 1966.
Le Botaniste (Dangeard): Series 9, 10, 12, 20 to 29.
Phytopathology: 1948 to 1954.
Mycologia: 1948 to 1970. (R. Pomerleau (68))
 2. Tucker, C. M. 1931. Taxonomy of the genus Phytophthora de Bary. U. of Mo. Ag. Exp. Sta. Res. Bull. 153. 208 p. Original edition. \$8.00;
Pierce, N. B. 1900. Peach leaf curl: Its nature and treatment. USDA, Div. Veg. Physiol. & Path. Bull. 20. 204 p. + 30 pl. \$10.00;
Zeller, S. M. 1939. Developmental morphology of Alpova. Oregon State Monographs, Corvallis. 19 p. \$1.00;
Duggar, B. M. 1909. Fungous Diseases of Plants. Ginn & Co. 508 p. \$2.00;
Miller, J. H. 1928. Biologic studies in the Sphaeriales. Parts I & II.
Mycologia 20: 187-213, 305-339. \$5.00;
Zahl, P. A. 1965. Bizarre world of the fungi. National Geographic Mag. 128: 502-528. \$1.00 (good for classroom use)
Mycologia, single issues: Vol. 55 (1963), Nos. 1, 5, 6. \$1.00 ea.;
Annual Review of Phytopathology, Vol. 1. (1963), 469 p. \$3.00;
American Journal of Botany: 1963. Nos. 1, 3, 5. 1964, Nos. 1, 2, 4, 5. 1965, Nos. 1-9. 1966, Nos. 1-3. \$1.00 ea. (J. L. Maas (69))

3. Abstracts of Mycology, Vols. 1-4. (C. Halde (70)).
 4. Studies on Myxomycetes, 4. The Germination of Spores. E. Jahn, 1905. Translated from the German by David Reichel and Karl Braun, 1970. Ten xeroxed pages at 20 cents a page. Total cost \$2.00. (K. L. Braun (52)).
 5. T. Sproston (71) has duplicates for sale. Write directly for specific reprints.
 6. Fries. Systema Mycologicum. (M. V. Locquin (19))
 7. Kursanov et al. 1960. Key to the lower plants. Vol. 5. Lichenes. (In Russian) 290 p., bound \$6.50;
Lloydia, Vol. 33 (1970), incl. suppl. (Alkaloid-bearing plants and their contained alkaloids, 286 p). \$8.00. Also odd numbers in Vols. 5, 6. (R. P. Korf (72)).
 8. Review of Applied Mycology. Bound. Vol. 1-43 (1922-1964) \$18 per volume and transportation costs. (B. H. Davis (73)).
 9. Abstracts of Mycology, Vol. 1, Nos. 1, 2, 3. \$1.00 ea. or 3 for \$2.00. (J. N. Holliday (14))
- b. Literature for Sale or Exchange
1. (for exchange only) Series of publications on tomentelloid fungi. (M.J. Larsen (17)).
 2. (for exchange only) Vol. (1956) of the Transactions of the British Mycological Society for vol. (1957). (J. E. Wright (60)).
 3. (for sale or exchange) Duplicates of personal papers on South American rusts and plant pathology. Lists on request to J. C. Lindquist (74).
 4. (for sale or exchange) LeGal, M. 1947. Recherches sur les ornements sporales des Discomycetes operculis. \$3.00;
Maire, R. and G. Weiner. 1937. Fungi maroccani. \$3.00. (V. Demoulin (62)).
 5. A. Inson, G. F. Phylogeny and relationships in the ascomycetes. Ann. Missouri Bot. Garden. 2: 315-376. (1915)
Batista, A. C. Monografia dos fungos Micropeltaceae. Inst. Micol. Publ. 56. (1959)
Blackwell, E. Terminology in Phytophthora. C.M.I. Mycol. Paper No. 30. 25 p. (1949)
Kunkel, L. O. A contribution to the life history of Spongospora subterranea. J. Agr. Res. 4: 265-278, 5 pls. (1915)
Leonian, L. H. Physiological Studies on the genus Phytophthora. Am. J. Bot. 12: 444-498. (1925)
Peltier, G. L. Parasitic Rhizoctonias in America. Ill. Agr. Expt. Sta. Bull. 189 p. 281-390 (1916)
Ree, G. M. The powdery mildews - Erysiphaceae. Trans. Am. Microscop. Soc. 32: 219-258. (1913)
Rosenbaum, J. Studies of the genus Phytophthora. J. Agr. Res. 8: 233-276, 7 pls. (1917)
Saito, K. Untersuchungen über die atmosphärischen Pilzkeime. III. Milleilung. Japan. J. Bot. 1: 1-54, 3 pls. (1922)
Schwarze, C. A. The parasitic fungi of New Jersey. N.J. Agr. Expt. Sta. Bull. 313 226 p. (1917)
Shear, C. L. Studies of fungous parasites belonging to the genus Glomerella. Bur. Plant. Indust. No. 252. 110 p., 18 pls. (1913)
Smith, E. F. Fifty years of pathology. Proc. Intern. Cong. Pl. Sci. 1: 13-46 (1929)
Stephens, F. L. The compound oosphere of Albugo bliti. Dissertation, U. Chicago Press. 48 p., 8 pls. (1899)
Thaxter, R. LXXXIX. A revision of the Endogonaceae. Proc. Am. Acad. Arts. Sci. 57: 291-351 (1922)
Thompson, C. M. Taxonomy of the genus Phytophthora de Bary. Mo. Agr. Expt. Sta. Bull. 133: 208 p. (1931)
Wainhouse, G. M. The genus Phytophthora. C.M.I. Misc. Publ. 12, 120 p. (1956) (E. C. Crisan (8f))

VII. MYCOLOGICAL PUBLICATIONS NEEDED

- a. Literature Wanted
1. Ridgeway. 1912. Color standards and nomenclature. Washington, (DÉidre C. Maguire (29) and O. A. Brusis (75)).
 2. Kaufman, C. H. Agaricaceae of Michigan. 2 Volumes. 1918. Quote price. (J. States (76)).
 3. Lister, A. A. Monograph of the Mycetozoa, Ed. 2 or 3 (1911, 1925).
Massee, G. 1892. A monograph of the Myxogastres.
Hagelstein, R. 1944. Mycetozoa of North America.
Macbride, T. 1899. North American slime moulds.
Macbride, T. and G. W. Martin. 1934. The Myxomycetes. (D. T. Kowalski (6)).

4. Any publications or reprints on the gasteromycetes which include information on the Phallales.
Specifically wanted: Puffballs and their allies in Michigan, Univ. of Mich. Press. Ann Arbor, Mich., 1951, by A. H. Smith; Eduard Fischer's works on the Phallineae; and Brasilische Pilzblumen, Gustav Fischer, Jena, 1895, by Alfred Moller. (W.R.Burk (59)).
5. Singer, Rolf. 1962. The Agaricales in Modern Taxonomy. J. Cramer, Weinheim. Hafner Publishing Company, New York. (L. J. Littlefield (77)).
6. Reprints for Plant Pathology Library and records of mycorrhizal or phytopathological translations from any foreign language into English. (F. W. Holmes (15)).
7. Mycologia Vols. 52, 53, 55 and any between 1945 and 1956. (J. W. Paden (57)).
8. Smith, Anne L. 1921. Lichens. (F. H. Erbsch (16)).
9. Butler and Jones, Plant Pathology. Any edition. (D. Hocking (78)).
10. Mycologia. Vols. 28-39. (B. Kendrick (79)).
11. Hiratsuka, N. 1936. A monograph of the Pucciniastreae. (R. G. Krebill (38)).
12. Lloyd, G. C. Mycological Writings, Vol. 3 (1908-1912). Vol. 4 (1912-1916). (Mrs. Ellen Trueblood (80)).
13. Hawker, L. E. 1954. British hypogeous fungi. Philos. Trans. Roy. Soc. London 237: 429-546 and Cunningham, G. H. 1942. The Gasteromycetes of Australia and New Zealand.
14. Lister. 1911. Monograph of the Mycetozoa. Edition 2. (C. J. Alexopoulos (64)).
15. Original copy of: Stevens, F. L. 1925. Hawaiian Fungi. Bernice P. Bishop Museum Bulletin 19, Bishop Museum, Honolulu. 189 p., 10 pl., paper covers. (M.F.Stoner (81)).
16. Farlow, W. and W. Trelease. 1887. List of works on North American Fungi.
Alexandri, A. V. 1934. Contributiune la cunastera - Gasteromycetelor din Romania.
Chardon and Toro. 1934. Mycological explorations of Columbia. (V. Demoulin (62)).

b. Philately and Illustrately

1. Special postmarks on entire envelopes or postal cards commemorating International Mycological meetings. \$1.00 each.
 2. In early April, 1971, the Upjohn Drug Co. (Special Projects Division) of Kalamazoo, Mich., will distribute (free of charge) a series of 5 wall charts on the mycoses; 2 devoted to the systemic mycoses; 2 on the dermatophytes; one on air-borne fungi. These were prepared in color (4 x 5 photography) by G. S. Bulmer (25). They are particularly suited for teaching medical students, graduate students, medical technologists, and other medical and paramedical personnel. Charts contain information on etiologic agents, clinical characteristics of the diseases, photographs of organisms in tissue, and gross and microscopic features of pathogens cultured at room temperature and 37°C.
- c. New Book: A Glossary of Mycology - Revised Edition. Walter H. Snell and Esther A. Dick. Illus. by Henry A. C. Jackson. Harvard Univ. Press. February, 1971. \$6.50.

VIII. VACANCY FOR MYCOLOGIST WITH A RECENT BACHELOR'S DEGREE

- a. New York: For information about a position as a diagnostic technician in the Laboratories for Medical Mycology of the New York State Department of Health, which requires a bachelor's degree with a major in biology and a high grade in the appropriate Civil Service examination, write to Morris A. Gordon, PhD (82). There is an opportunity for research.

IX. AVAILABLE GRADUATE STUDENT ASSISTANTSHIPS

- a. California: For competitive consideration for both teaching and research assistantships toward the Master's degree only and having a stipend of \$2400-\$3200, apply to Dr. D. T. Kowalski (6).
- b. Massachusetts: For information concerning assistantships in plant pathology, write to Prof. Richard A. Rohde, Head (83).
- c. New York: To inquire about a research assistantship paying \$3600 per year with remission of tuition and fees through completion of studies and requiring field work in the tropics, write to the Director, Graduate Studies (13).
- d. Utah: Apply for Teaching Assistantships paying \$2000 for 9 months, to Dr. Darrell J. Weber (34).
- e. West Virginia: Dr. R. S. Pore (47) has teaching assistantships in Medical Mycology paying \$3000.

D U M - D U M D I V I S I O N

Editors make mistakes (a politically relevant and significant statement): an answer under Question 8 in the questionnaire for the December, 1970, issue (Vol. XXI, No. 2) caused me to erroneously list a post-doctorate vacancy in the Department of Biological Science at the David Dale College in Glasgow, Scotland. (see p.18, item VIII a). NO VACANCY EXISTS. My apologies to Dr. H. K. Seth and Ivor Roy.

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X. STUDENTS EXPECTING DOCTORATES LOOKING FOR EMPLOYMENT

- a. Poland: Aleksandra Andruszewska: "Effect of herbicides on the development of ectotrophic mycorrhizae and mycorrhizal fungi in pine seedlings"; Research interest: Forest culture, wood-plant breeding; Teaching Competence: Active as an assistant in Institute of Plant Biology; 1972. Major Prof.: Prof. Dr. T. Dominik (31).
- b. United States:
 1. California: Iris Charuat: "Ultrastructure and enzyme localization during sporulation in Perichaena vermicularis"; Research interest: Ultrastructure - Histochemistry, experimental mycology; Teaching Competence: General biology, cell biology, mycology; Sept. 1971. Major Profs.: Drs. I. K. Ross and I. Crunshaw (8)
 2. California: Walter J. Sundberg: "A study of basidial ontogeny and meiosis in Schizophyllum commune utilizing light and electron microscopy"; Research interest: fungal taxonomy, ecology, and ultrastructure; emphasis Basidiomycetes; Teaching competence: Mycology, general botany, general plant pathology, general biology; June, 1971. Major Prof.: Dr. Kenneth Wells (61).
 3. Kentucky: Calvin L. Schoulties: "Ribonucleic acid metabolism during the early stages of asexual sporulation in Aphanomyces euteiches"; Research interest: Cellular and biochemical differentiation; fungal physiology, and biochemistry of fungi; Teaching competence: Fungal physiology; microbiology, botany, bacteriology; June, 1971. Major Prof.: Dr. Charles Y. Yang (84).
 4. Michigan: Joseph Ammirati: "The North American species of subgenus Dermocybe of Cortinarius"; Research interest: Higher fungi; Teaching competence: Mycology and ecology; June, 1971. Major Prof.: Prof. Alexander H. Smith (85).
 5. Michigan: Keller Subeakropp: "Developmental physiology of the zoospore of Blastocladiella emersonii"; Research interest: Developmental biology; Teaching competence: Mycology, plant physiology, cell biology, general botany; Sept. 1971. Major Prof.: Prof. E. C. Cantino (59).
 6. Michigan: Louis C. Truesdell: "Encystment and germination of the zoospore of Blastocladiella emersonii"; Research interest: mycology, applied microbial ecology, ultrastructure, cinema in biology; Teaching competence: Mycology, cell biology; June, 1971. Major Prof.: Prof. E.C. Cantino (59).
 7. Michigan: Francis E. Nussbaum, Jr.: "Developmental studies of the mushroom, Clitocybe benekei Bigelow & Smith"; Research interest: morphogenesis of hymenomycetes and gasteromycetes; Teaching competence: mycology, general botany, plant morphology, taxonomy of higher plants, dendrology; Sept. 1, 1971. Major Prof.: Dr. E. S. Beneke (59).
 8. New York: Terrence M. Hammill: "Fine structure of conidiation in selected species of Fungi imperfecti"; Research interest: Fine structure of conidiation and ascosporeogenesis; soil fungi; Teaching competence: Mycology, ultrastructural cytology, botany, biology; June, 1971. Major Prof.: Dr. C.J.K. Wang (86).
 9. New York: Donald H. Pfister: "A monograph of the Psilopezoid fungi"; Research interest: Discomycete taxonomy, cytology, and histology; Teaching competence: Mycology, lichenology, general botany, plant pathology, plant taxonomy; Sept. 1971. Major Prof. R.P. Korf (72).
 10. Vermont: Lawrence Virkaitis: "Electron microscopy and lipid analysis of the fungus Stemphylium solani Weber"; Research interest: Morphogenesis and physiology of fungi; Teaching competence: Biology-botany, biochemistry; May, 1971. Major Prof.: Dr. Thomas Sproston (71).
 11. Vermont: Thomas Christensen: "A study of the resistance of Ginkgo biloba L. to fungi: Phytoalexin production induced by Botrytis allii Munn"; Research interest: Plant disease resistance; Teaching competence: biology-botany-plant pathology; May, 1971. Major Prof.: Dr. Thomas Sproston (71).
 12. West Virginia: Franklin L. Binder: "Carbohydrate metabolism and the amino acids requirements for the mycoparasite Tiechemiomyces parasiticus in axenic culture"; Research interest: microbial physiology, mycology; Teaching competence: Microbiology, Mycology, Botany, fungus physiology. Aug. 1971. Major Prof. Dr. H. L. Barnett (87).

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

- a. Canada: Ontario: M. Hashmi with a MSc and a specialty in fungalkaryology will be recommended by Prof. Bryce Kendrick (79).
- b. United States:
 1. Kentucky: Miss Rose M. Lin (MS (1970) under Dr. Charles Y. Yang (84) specializing in electron microscopy and histochemical cytology) seeks a position as technician in the Baltimore area.
 2. Michigan: Ronald A. Heinrichs whose thesis title for the Master's degree is "Comparison of Sporothrix schenkkii to species of Ceratocystis and Sporotrichum" and interest is in medical and applied mycology should be available for employment in August, 1971. Contact Dr. E. S. Beneke (59).
 3. Ohio: Barbara Hall, who has the MS degree and is experienced in handling mycoflora of soils will be recommended for employment as a technician by Dr. Roland Seymour (54).

F. PERSONAL INFORMATION

I. MYCOLOGISTS WITH NEW AFFILIATIONS

- a. Dr. Jack States, who was formerly Research Associate at the Univ. of Wyoming, has joined the staff at Northern Arizona Univ. in Flagstaff as Assistant Prof. of Biology.
- b. Dr. Julian W. Whaley has left Eli Lilly and Co., Greenfield, Indiana, following appointment in the Dept. of Plant Science at Fresno State College.
- c. New in the Biology Dept. at Edinboro State College in Pennsylvania is Dr. Daniel A. DeFizio.
- d. Dr. Gareth Morgan-Jones, formerly of the Commonwealth Mycological Institute at Kew is now at the Univ. of Waterloo in Ontario.
- e. Dr. D. K. Chakravarty who has been at the Institut fur Maeresforschung in Germany, has left for New Delhi, India.
- f. Peter Austwick left the Central Veterinary Lab., Weybridge, in September, 1970, and is now Nuffield Research Fellow at the Nuffield Institute of Comparative Medicine in London.
- g. Dr. Elizabeth Moore-Landecker, formerly associated with the Univ. of the Witwatersrand, Johannesburg, South Africa, has become a Research Associate at New York Univ., Washington Square, New York 10003.
- h. Dr. Charles N. Adair is terminating his employment as a Postdoctoral Research Associate in the Department of Plant Pathology at Cornell Univ. to accept a position as Assistant Professor in the Dept. of Biology at Nanyang Univ. in Singapore, effective in July, 1971.
- i. Dr. Frank H. Gleason has accepted a Research Fellowship for one year in the Dept. of Developmental Biology of the Australian National Univ. in Canberra to work on physiology of lower fungi.
- j. Dr. P. W. Kirk, Jr., formerly Associate Prof. of Biology at North Carolina Wesleyan College, has taken a position as Associate Prof. of Biology in Old Dominion Univ. at Norfolk, Va.
- k. Dr. John S. Knox, formerly at Virginia Polytechnic Inst., is now in the Dept. of Botany, Ohio University, Athens.
- l. Dr. Garry Cole has left the Univ. of Florida for the Dept. of Botany in the Univ. of Texas at Austin.
- m. Dr. Marlin A. Espenshade is now with W. R. Grace, Washington Research Center, in Clarksville, Md.
- n. Dr. Chas. M. (John) Yen, formerly a research assistant in microbiology at Univ. of California at Los Angeles, is now a medical mycologist in the Dept. of Biological Sciences, California State Polytechnic College, Pomona.
- o. Robert A. Braddy has joined the Dept. of Botany of North Carolina State Univ. as Instructor Biological Sciences following completion of the MS degree with R. T. Moore and L. F. Grand.

II. TRAVELING MYCOLOGISTS

- a. Among mycologists planning to attend the First International Mycological Congress in Exeter, England, during September, 1971, are J. Clausz, A. Gaertner, T. W. Johnson, P. W. Kirk, C. E. Miller, J. L. Peterson, A. H. Smith, K. Schaumann, and M. D. Whitehead.
- b. The VIII International Mushroom Congress will be held in London, Sept. 7-15, 1971. A U.S. delegation of about 60 people is expected to attend, including 6 mushroom research workers from the Pennsylvania State University who will present 11 papers.
- c. Dr. Colin Booth of the Commonwealth Mycological Institute taught a special course in mycology during the winter quarter, 1971, at the Univ. of Minnesota and visited the Fusarium Research Center at Pennsylvania State Univ. in March to discuss problems of mutual interest and to initiate cooperative research on taxonomy of Fusarium.

- d. Dr. Neil Anderson in the Waite Agricultural Research Inst. of the Univ. of Adelaide, Glen Osmond, Australia, is working with Dr. Flentje at the Univ. of Minnesota.
- e. Dr. Robert Bandoni, Univ. of British Columbia, will teach a course in mycology at the Univ. of Minnesota Biology Station, Lake Itasca.
- f. Dr. R. S. Pore of West Virginia Univ. Medical School, will zip to ISHAM in Paris during July.
- g. Ian K. Ross has returned from a sabbatical at the Swiss Institute of Experimental Cancer Research, Lausanne, in the laboratory of Dr. R. Braun. During the year he visited the laboratories of Dr. G. Turien, Geneva; Drs. Rakoczy and Korohoda, Krakow; Dr. G. Gerisch, Tubingen; Dr. J. Sobels, Leiden; Dr. T. Konijn, Utrecht; Drs. H. Hol and R. Hutter, Zurich; Dr. Dee, Leicester; and Drs. C.T. Ingold and J. M. Carlie, London, for discussions on slime molds and other fungal problems.
- h. Prof. Francis W. Holmes is still abroad on sabbatical leave studying the perithecial stage of Ceratocystis ulmi as a guest of the Univ. of Utrecht and Univ. of Amsterdam.
- i. L. S. Olive will make a round-the-world collecting foray for mycetozoans during the period March 24 - July 10, visiting Indonesia, East Africa, and the Seychelles.
- j. Peter and Joan Austwick of London have spent a year at the Ruakura Agricultural Research Centre in Hamilton, New Zealand, studying the epidemiology of mycotic abortion.
- k. Iwan Ho of Corvallis, Ore., taught a course in medical mycology at the Univ. of Saigon during March and in returning, visited and lectured at Mahidol Univ. in Bangkok, the Univ. of Geneva in Switzerland, and the Serum Institute in Copenhagen.
- l. Dr. Gaston Guzman of the Instituto Politecnico Nacional, Mexico City, visited the Instituto Spegazzini, La Plata; the Instituto Lille, Tucuman; the Dept. of Biology, Facultad de Ciencias Exactas y Naturales, Univ. of Buenos Aires; and other botanical institutes during his 2-week sojourn in Argentina.
- m. T. W. Johnson (Duke University) and R. L. Seymour (Ohio State Univ.) were in Iceland between May 26 and June 4 working on aquatic fungi. The latter will spend 2 weeks in June at the El Verde Field Station, Puerto Rico, collecting aquatic fungi.
- n. In September, J. Kohlmeier (marine mycologist) will work in herbaria of Paris (Museum National D'Histoire Naturelle), Concarneau (Laboratoire de Biologie Marine; containing the collection of the Crouans), Berlin (Botanical Museum Berlin-Dahlem), and will visit several marine stations in Britain and France.
- o. Dr. S. J. Hughes, Plant Research Inst., Ottawa, Ontario, visited the Dept. of Forest Botany and Pathology in the College of Forestry, SUNY at Syracuse to serve on the committee for T. M. Hammill's oral-in-defense of thesis and to discuss taxonomy of the imperfect fungi with faculty members and graduate students.
- p. Dr. W. M. Hess and Dr. D. J. Weber, Dept. of Botany and Range Science, Brigham Young University, Provo, Utah, recently participated in a United States-Indian exchange program sponsored by National Science Foundation; visited with Indian scientists in laboratories in Srinagar, New Delhi, Bombay, Madras, and Pantnagar; and attended the International Symposium on Pathological Wilting of Plants, held at Madras, India, the International Phytopathological Congress in New Delhi, and scientific laboratories in Honolulu, Kyoto, Bangkok, Thailand, Tehran, Iran, and Tel-Aviv-Yak, Israel.

III. AWARDS AND REWARDS

a. Promotions:

1. The Instituto de Micologia, Ministerio da Educacao e Cultura, Univ. Federal de Pernambuco, Brazil, announces appointment of Dr. Jose Luiz Bezerra as its new Director succeeding Prof. Luiz Siqueiro Carneiro.
2. Dr. John M. Roberts has been appointed Vice President for Academic Development responsible for supervision of all academic activities at Olivet College in Michigan. He was previously Dean and Chairman of the Faculty of Natural Sciences.
3. Dr. Allan A. Ichida was promoted to Professor and Chairman, Dept. of Botany and Bacteriology at Ohio Wesleyan University in Delaware, Ohio.
4. Morris A. Gordon has been recommended for promotion to full professorship.
5. Dr. H. E. Bloss was promoted to Associate Professor in the Dept. of Plant Pathology at the Univ. of Arizona.
6. Prof. Francis W. Holmes of the Shade Tree Laboratories at the University of Massachusetts was elevated to Professor "A" during 1970.

7. Dr. Frederick H. Erbisch has been promoted to Professor at Michigan Technical Univ. at Houghton.
8. Dr. Shu-Ting Chang was promoted to Senior Lecturer in the Dept. of Biology at The Chinese Univ. of Hong Kong on February 1, 1970.
9. Dr. John Clausz was named Biology Program Chairman at St. Andrews Presbyterian College in Laurinburg, N. C.
10. Dr. Charles N. Adair was promoted to Research Microbiologist, FWOA, Pacific NW Water Lab. in the Natural Eutrophication Research Program.
11. Dr. Royall T. Moore was promoted to Associate Professor in the Dept. of Botany at North Carolina State University.
12. Dr. Bryce Kendrick has been promoted to Full Professor in the Dept. of Biology at the University of Waterloo in Ontario.

b. Awards:

1. Vincent Demoulin received the "Prix F. Crepin" for 1968-1970 from the Societe Royale de Botanique de Belgique for his work on Belgian Gasteromycetes.
2. Prof. Harry D. Thiers of San Francisco State College, was presented \$500 for the Distinguished Teacher Award from the California State College System.
3. Dr. H. E. Bloss of the University of Arizona has been elected a "Fellow" by the American Institute of Chemists.
4. Dr. Thomas W. Gaither of Slippery Rock State College in Pennsylvania is listed in the 1970 edition of Outstanding Young Men of America.
5. Dr. Rene Pomerleau of Sillery (Quebec) was presented with the Northeastern Forest Pathology Award of Merit on March 30 at Durham, N. H. (Right on and congrats!! (personal comment by the pathological editor)).
6. On April 1 the Society of Sigma Xi awarded a grant-in-aid to James L. Harris of Texas A&M Univ. to assist his study in ultrastructure of the synnema and their conidia in Ceratocystis ulmi.

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THOMAS R. MATHEWS of Indianapolis has been awarded the MSA Graduate Fellowship for this year. Congratulations from the membership are extended.

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c. Experience = Knowledge = Practical Approach:

Prof. T. W. Johnson, Jr., will retire from the chairmanship of the Dept. of Botany at Duke University after surviving--er--serving three terms.

IV. INVITATIONAL PAPERS AND LECTURES

- a. Dr. R. G. Krebill, U.S. Forest Service, Logan, Utah, will co-author with M. Furniss an invitational paper entitled "Insects and diseases of shrubs on western big game ranges" for the International Symposium on Useful Wildland Shrubs, their Biology and Utilization scheduled for Utah State University July 12-17, 1971.
- b. Alexander H. Smith addressed the Science Seminar Group of the Joint Center for Graduate Study (Oregon State Univ., University of Washington, Washington State Univ.) Oct. 28, 1970, at Richland, Washington, on the "Fungous Flora of the Pacific Northwest" and also gave seminars at Washington State University and The University of Idaho.
- c. Dr. H. E. Bloss participated in the Symposium on Steroids in Fungi sponsored by the American Oil Chemists' Society in May at Houston, Texas.
- d. A paper entitled "Regulation and inhibition on the production of aflatoxins by Aspergillus flavus" was presented by Dr. Charles Yang in Montreal, Canada, at the 24th Tobacco Chemists Research Conf., on October 29, 1970.

- e. While in Europe Dr. Ian K. Ross presented invitational lectures to the Dept. of Plant Physiology at the Univ. of Lausanne (Prof. Pilet); to the Dept. of Botany, Univ. of Geneva (Prof. Turien); to the Microbiology Dept. E.T.H., Zurich (Prof. Hutter); and to the Swiss Institute for Experimental Cancer Research, Lausanne, on the general topic of cell surfaces and cell interactions among myxomycete amoebae.
- f. Prof. Francis W. Holmes has spoken before the Dept. Fitopathologie, Wageningen, Netherlands; and the Agricultural College at Novi Sad, Yugoslavia.
- g. Abstracts of a paper, "Fungal spores in stratigraphy," delivered to the South-Central Section of the Geological Society of America during the annual meeting in College Station, Texas, are available from Dr. William C. Elsik (28). He also presented a paper entitled "Microbiological degradation of sporopollenin" in the Symposium on Sporopollenin at Imperial College, London, in September, 1970.
- h. Dr. Leon R. Kneebone, Professor of Botany and Plant Pathology at Pennsylvania State University, presented a paper titled "Long-term maintenance of mushroom cultures" at the Mushroom Research Conf. sponsored by the Campbell Institute for Agricultural Research at Riverton, N.J., April 18-21, and was banquet speaker at the Third Mushroom Processor's Seminar at West Chester, Pa., on May 19, speaking on the topic "The future of the American mushroom industry".
- i. Dr. C. J. Alexopoulos (The myxomycetes: nuclear cycle) and M. L. Furcolow spoke to the Botanical Colloquium at the Ohio State University.
- j. Dr. John A. Schmitt of Ohio State Univ. presented "yeasts and alcoholic fermentation" to the Ohio Grape-Wine short course at The Center for Tomorrow on March 9; discussed "Vaginal Candidiasis" with various members of the Wm. S. Merrell, Inc., at Cincinnati on March 26; and participated in an encounter group with paint scientists ("Mildew defacement of coatings") sponsored by the Paint Research Institute at Kent State Univ. on April 15.
- k. Dr. Frank H. Gleason of Colorado College in Colorado Springs spoke on physiology and metabolism of Oomycetes at the Univ. of Colorado, Rice University, and Arizona State Univ. at Tempe.
- l. Dr. C. J. Alexopoulos lectured on Myxomycetes at the University of California at Davis and Berkeley in April.
- m. Vincent Demoulin of the Univ. of Liege (Belgium) presented a seminar on biology of Lycoperdon at the University of Michigan on December 9, 1970.
- n. Dr. R. T. Moore presented "An alternative concept of the fungi based on their ultrastructure" in a Symposium on the Ultrastructure of the Microbial Cell at the Tenth International Congress for Microbiology during August, 1970, in Mexico City.

 (The next two (2) sub-divisions follow the revised classification suggested in flowery language and clear deductive reasoning by Dr. Luella K. Weresub, who argued that RETIREMENTS and DEATHS are different breeds of cat.)

V. RETIREMENTS - ILLNESSES

- a. Dr. B. H. Davis, Professor and Chairman of the Plant Biology Dept., Rutgers University, retires June 30. Dr. Davis has been a member of MSA since 1937.
- b. Dr. Harold T. Cook retired from the U.S. Dept. of Agriculture in Washington, D. C., on Feb. 26.
- c. Dr. Aaron G. Johnson is in the infirmary of the Hermitage of Northern Virginia.
- d. While Dr. A. H. Smith, Mycological Curator of the herbarium at the Univ. of Michigan, and his wife were guests of both the Dept. of Biological Sciences, Univ. of Idaho, and the Dept. of Plant Pathology, Washington State Univ., Dr. Charles Gardner Shaw, Chairman at WSU, suffered a severe coronary. Dr. Shaw spent 7 weeks in the hospital and 7 weeks recuperating at home. During February and the first week in March he worked on a half-time basis, first at home and then in the office, and returned to full-time work and resumed the Chairmanship March 8, 1971. During Dr. Shaw's illness, Dr. S. O. Graham, also a member of the MSA, served as Acting Chairman of Plant Pathology at MSU.

VI. * * * * * DEATHS * * * * *

Since publication of Vol. XXI, No. 2, of the Newsletter in December, 1970, the following members of the Mycological Society of America have been reported deceased:

Dr. Leva B. Walker, Professor Emeritus of Botany at the University of Nebraska, died on July 29, 1970. She was a charter member of the Society. Her most recent address was 1919 Sumner Street, Lincoln, Nebraska 68502.

Dr. Edgar W. Olive died in Madison, Indiana, on January 3, 1971, at the age of 100.

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VII. MATCHES AND HATCHES:

- a. Dr. Julian W. Whaley reports his marriage to Jeanie Esarey on June 26, 1970.
- b. Dr. David L. Largent and Pamela Johnson were married on December 20, 1970.
- c. A son, Larry Lee, born to Larry and Nancy Whitlock on December 1, 1970, was 20 inches long and weighed 8 lbs. 10 oz.
- d. Dr. Deirdre C. Maguire announces Kerry, Donogh, Patrick on October 7, 1970.
- e. Dr. and Mrs. John Clausz announce birth of a daughter, Sharon Eileen, on Sept. 5, 1970.
- f. The Peter Austwicks provided a sister for Anthony Charles on Sept. 18, 1970, and named her Caroline Lesley.

G. CORRESPONDENT ADDRESSES

1. Pennsylvania State Univ., 211 Buckhout Lab., University Park, Pa. 16802
2. National Biological Congress, 3900 Wisconsin Ave., N.W., Washington, D. C. 20016
3. American Type Culture Collection, 12301 Parklawn Drive, Rockville, Md. 20852
4. U.S. Dept. of Commerce, 5285 Port Royal Road, Springfield, Va. 22151
5. Laboratory Division, Center for Disease Control, DHEW - PHS, Atlanta, Ga. 30333
6. Dept. Biology, Chico State College, Chico, Calif. 95926
7. Dept. Botany, Univ. of North Carolina, Chapel Hill, N. C. 27514
8. Dept. Biological Science, Univ. of California, Santa Barbara, Calif. 93106
9. Rancho Santa Ana Botanic Garden, 1500 N. College Ave., Claremont, Calif. 91711
10. Dept. of Biology, Colorado College, Colorado Springs, Colo. 80903
11. Institut fur Meeresforschung, 285 Bremerhaven, Am Handelshefen 12, Germany
12. St. Andrews Presbyterian College, Lounsbury, N. C. 28352
13. New York Botanical Garden, Bronx, N. Y. 10458
14. Dept. Plant Pathology, Washington State Univ., Pullman, Wash. 99163
15. Shade Tree Laboratories, Univ. of Massachusetts, Amherst, Mass. 01002
16. Dept. Biological Science, Michigan Technical Univ., Houghton, Mich. 49931
17. Forest Products Laboratory, P.O. Box 5130, Madison, Wisc. 53705
18. Dept. of Botany & Plant Pathology, Oregon State Univ., Corvallis, Ore. 97331
19. Universite Agricole, Europeene, 58 Donzy, France
20. Biology Dept., Humboldt State College, Arcata, Calif. 95521
21. Dept. of Ecology & Systematic Biology, San Francisco State College, San Francisco, Calif. 94132
22. Dept. Biology, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong
23. Dept. Biology, Bridgewater State College, Bridgewater, Mass. 02324
24. Agricultural Analytical Service, Texas A&M University, College Station, Texas 77843
25. University Oklahoma Medical School, 800 NE 13th St., Oklahoma City, Okla. 73104
26. Dept. Epidemiology & Environmental Health, The George Washington University School of Medicine, 1331 H St., N.W., Washington, D.C. 20005
27. Pacific Northwest Forest & Range Experiment Station, Box 887, Corvallis, Ore. 97330
28. Humble Oil & Refining Co., P.O. Box 2189, Houston, Texas 77001
29. 77 Quebec Ave., Suite 227, High Park, Toronto 161, Ontario, Canada
30. Dept. Biology, Old Dominion University, Norfolk, Va. 23508

31. Wytsza Szkoła Rolniczo, Wydział Rolniczy, Instytut Biologii Roflin, Szczecin, ul Słowackiego 17, Poland
32. Dept. Plant Science, Fresno State College, Fresno, Calif. 93710
33. NIEHS, P.O. Box 12233, Research Triangle, N. C. 27514
34. Dept. Botany, Brigham Young Univ., Provo, Utah 84601
35. Dept. Plant Pathology, Univ. Arizona, Tucson, Arizona 85721
36. Tropical Mycology Laboratory, Univ. of Puerto Rico at Mayaguez, Mayaguez, Puerto Rico 00708
37. Nuffield Inst. of Comparative Medecine, Zoological Society of London, Regent's Park, London, NW 1 4 RY, England.
38. Forestry Sciences Lab., 860 N. 12th East, Logan, Utah 84321
39. New Crops Research Branch, Plant Industry Sta., Beltsville, Md. 20705
40. 312 SW 0th St., Corvallis, Ore. 97330
41. Dept. Plant Pathology, North Carolina State Univ., Raleigh, N. C. 27607
42. CSIRO, Div. Food Preservation, P.O. Box 43, Ryde, N.S.W. 2112, Australia
43. Dept. Botany & Microbiology, Arizona State University, Tempe, Ariz. 85281
44. Dept. Biological Science, Univ. of Idaho, Moscow, Idaho 83843
45. Worcester State College, Office, Worcester, Mass. 01602
46. Dept. Biology, Edinboro State Coll., Edinboro, Pa. 16412
47. Dept. of Microbiology, West Virginia Univ. Medical School, Morgantown, W.Va. 26506
48. Forest Products Laboratory, Montreal Rd., Ottawa, Ontario, Canada
49. Box 454, Dugway, Utah 84022
50. Dept. Biology, Slippery Rock State College, Slippery Rock, Pa. 16057
51. Dept. Botany, Iowa State Univ., Ames, Iowa 50010
52. 5460 Ballentine Pike, Springfield, Ohio 45502
53. Dept. Botany, Univ. of Georgia, Athens, Ga. 30601
54. Dept. Botany, Ohio State Univ., Columbus, Ohio 43210
55. Dept. Plant Pathology & Physiology, Virginia Polytechnic Inst., Blacksburg, Va. 24060
56. Dept. Plant Pathology, Univ. of Arkansas, Fayetteville, Ark. 72701
57. Dept. Biology, Univ. of Victoria, Victoria, B.C., Canada
58. Div. Biology, Kansas State Univ., Manhattan, Kans. 66502
59. Dept. Botany & Plant Pathology, Michigan State Univ., East Lansing, Mich. 48823
60. Dept. De Ciencias Biologicas, Facultad de Ciencias, Naturales, Ciudad Universitaria, Nunez, Buenos Aires, Argentina
61. Dept. Botany, Univ. California, Davis, Calif. 85616
62. Dept. de Botanique, Universite de Liege, Sart Tilman, B-4000-Liege (Belgium)
63. Georgia State University, Atlanta, Ga. 30303
64. Dept. Botany, University of Texas, Austin, Texas 78712
65. New York State Museum and Science Service, Albany, New York 12224
66. Univ. of North Carolina, Inst. of Marine Sciences, Morehead City, N.C. 28557
67. National Museums of Canada, Museum of Natural Sciences, Ottawa, Ontario, KIA-OM8, Canada
68. 1395 parc Champoux, Sillery (Quebec 6) P.Q. Canada
69. Fruit & Nut Crop Res., Branch, Plant Industry Station, Beltsville, Md. 20705
70. Dept. Microbiology, Univ. of California, San Francisco, Calif. 94122
71. Dept. Botany, Univ. of Vermont, Burlington, Vt. 05401
72. Plant Pathology Herbarium, Cornell University, Ithaca, N.Y. 14850
73. Dept. Plant Biology, Rutgers Univ., New Brunswick, N.J. 08903
74. Instituto de Botanica Spegazzini, Calle 53, No. 477, La Plata, Argentina
75. 184 Aspinwall Ave., Brookline, Mass. 02146
76. Dept. Biology, Northern Arizona Univ., Box 5640, Flagstaff, Ariz. 86001
77. Dept. Plant Pathology, North Dakota State Univ., Fargo, N. D. 58102
78. Canadian Forestry Service, 5320 - 122 St., Edmonton 70, Alberta, Canada
79. Dept. Biology, Univ. of Waterloo, Waterloo, Ontario, Canada
80. 719-8th Ave., S., Nampa, Idaho 83651
81. Dept. Biological Sciences, Calif. State Polytechnic College, Pomona, Calif. 91768
82. Div. Labs & Research, N.Y. State Dept. Health, Albany, N.Y. 12204
83. Dept. Plant Pathology, Univ. Massachusetts, Amherst, Mass. 01002
84. Dept. Plant Pathology, Coll. of Agriculture, Univ. of Kentucky, Lexington, Ky. 40502
85. Herbarium, Univ. of Michigan, Ann Arbor, Mich. 48104
86. Dept. Forest Botany & Pathology, SUNY College of Forestry, Syracuse, N.Y. 13210
87. Dept. Plant Pathology & Bacteriology, West Virginia Univ., Morgantown, W.Va. 26506
88. P.O. Box 84, Sackville, New Brunswick, Canada
89. Dept. Food Science & Technology, Univ. California, Davis, Calif. 95616
90. 36 Marianne Rd., Waltham, Mass. 02154

H. LETTER TO THE EDITOR: A BOOK REVIEW EVALUATION*

Wild Mushrooms - Food & Poison, is a small paper-bound manual by Emil F. Guba. It is a condensed guide to deleterious and poisonous mushrooms of North America, not alone of the New England States. The emphasis is on poisonous mushrooms, identity, harmful constituents and therapy for mushroom poisoning--not on nomenclature or taxonomy. Traditional nomenclature is used in harmony with the nomenclature in mushroom literature available to the general public in bookstores and libraries.

A recent review of my book by Dr. Kent H. McKnight (*Mycologia* 63:No. 1, Jan.-Febr. 1971) seems garnished with a tone of resentment. By reply, the popular character of the book does not require references to technical literature, although many papers are cited. The book is compiled from literature cited in the bibliographies, pages 17, 31-32, 99-100.

Dr. McKnight stated "Evident throughout is a lack of understanding both of the importance and of the application of modern nomenclature and taxonomy." The reviewer missed the purpose of the book. Elementary mushroom enthusiasts are in the great majority among mycologists, doctors, hospitals, mycophagists, collectors, artists, crafts workers, etc. The author had no desire to indulge in modern nomenclature or new taxonomy. A great gap exists between elementary mushroom enthusiasts and professionals, between mushroom clubs and professional mycological societies. The author proposed the retention of the familiar Latin names or the use of common names, simply as a tool or convenience. Some mushroom clubs will not accept the new nomenclature. The reason is suggested by a comparison of a few traditional and new names of mushrooms as follows:

Lepiota cepaestipes = Leucocoprinus
 Phallus impudicus = Ithyphallus
 Tricholoma flavescens = Tricholomopsis
 Cortinarius purpurascens = **Phlegmacium**
 Hypholoma fasciculare = Haematoloma

Thus to the "elementary" often called the "amateur mycologist," changing and controversial nomenclature can be an abomination.

To apply the reviewer's quotation to an author who has contributed extensively to mycological and plant pathological literature for over a half century, and who has been honored with awards and prestigious titles, seems harsh and ridiculous. There can be no pride in this sort of thing.

The reviewer McKnight refers to two trivial inconsistencies and alleges numerous inaccuracies in the book, only one being reported, an alleged misidentification of Coprinus citramentarius. There is no confirmation and the correct name is not offered. The reviewer seems unfamiliar with the vast differences in responses of individuals to poisonous mushrooms. These are not inaccuracies if this is some of the application of Dr. McKnight's statement. If inaccuracies are opinions, how can they be valid or true.

The author of Wild Mushrooms - Food & Poison has offered a small novel manual with a different approach. There are errors. Improvement and enlargement are contemplated in a future new edition of the book.

Emil F. Guba, Ph.D. (90)
 Commonwealth Professor Emeritus
 University of Massachusetts

*These comments were typed directly and unaltered from the photocopy annotated with ball-point pen by Dr. Guba. The spelling of some nomenclatural terms that had been printed by hand may have been incorrectly deciphered by yours truly. The editor.